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The Zoological Society of London Registered Charity 208728

# Annual Report 1998 Part 2

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# The Zoological Society of London

(Registered charity no. 208728)

# Patron: Her Majesty The Queen

Principal address Also at:

Regent's Park, London NW1 4RY 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)
Zoo Restaurants Ltd (reg. no. 570005)
Whipsnade Wild Animal Park Ltd
(reg. no. 990860)

Bankers: Royal Bank of Scotland, Drummonds
Auditors: Ernst & Young
Investment Advisers: Henderson Investors

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 1998.

The Annual Report was approved by Council on 13 April 1999.

# **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, Brazil
DF70 910

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 90G

1997 The Hon. Miriam Rothschild

Ashton Wold, Peterborough PE8 5LZ

#### Council

6/7 President: Sir Martin Holdgate, CB, MA, PhD, DSc(h.c.), CBiol, FIBiol

6/7 Treasurer: Harry Wilkinson, OBE, MA, FCA

6/7 Secretary: Professor R McNeill Alexander, PhD, DSc, CBiol, FIBiol, FRS

7/7 Sheila Anderson, BSc

4/4 John Barrington-Johnson (co-opted from 1 April 1999)

3/3 Jonathan Boyce, DM, MA, MSc, MRCP, FFPHM†

7/7 Michael Brambell, MA, VetMB, PhD, DVSc, MRCVS

7/7 Professor Bryan Clarke, DPhil, FRS, Vice-President

7/7 John Edwards, MA, FLS

6/7 Roger Ewbank, OBE, MVSc, MRCVS, FIBiol Zakaria Erzinçlioglu, PhD (resigned 24 January 1998)

0/3 Professor Tim Halliday, DPhil†

3/4 Professor Mike Hassell, DSc, FRS \*

7/7 Councillor Martin Jiggens, FRICS, FSVA Clinton Keeling (resigned 8 March 1998)

3/4 Nancy Lane, OBE, DPhil, ScD, CBiol, FIBiol \*

3/3 Ken Livingstone MP†

6/7 Christopher Marler

3/4 Sophie McCormick, PhD \*

1/4 Derrick Moore, FCA (co-opted 3 June 1998)

6/7 Martin Rowson, MA

4/4 Ken Sims \*

5/7 Ted Smith, BSc, CBiol, FIBiol

3/3 Tony Stevens, MA, BVSc, MRCVS, DipBact†

3/3 Professor Ian Swingland, PhD, DSc, CBiol, FIBiol†

6/7 Jane Thornback, BSc, MSc

4/7 Professor Roger Wheater, OBE, CBiol, FIBiol, FRSE

5/7 Robert Wingate \*

\* From 3 June 1998

† To 3 June 1998

Attendance: actual/potential

# Committees & Boards 1998

#### **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
Sheila Anderson, BSc
Michael Brambell, MA, VetMB, PhD, DVSc, MRCVS
Martin Rowson, MA
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.

Keith Elringham, PhD, Chairman
David Chivers, PhD
Professor Bryan Clarke, DPhil, FRS
Lee Durrell, PhD
Bryan Grenfell, PhD
Robin Pellew, PhD
Professor Paul Racey, MA, PhD, DSc, FRSE, CBiol, FIBiol
Professor Ian Swingland, PhD, DSc, CBiol, FIBiol, FRSA, FRGS

# **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.

Sir Peter Newsam, MA, DipEd, Chairman Sheila Anderson, BSc Geraldine Baker, BSc Steve Flowerday, MSc Kate Harris, BA Roger James Sophie McCormick, PhD Martin Rowson, MA

#### **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, MRCVS, Secretary Roger Ewbank, OBE, MVSc, MRCVS, CBiol, FIBiol Andrew Higgins, BVetMed, MSc, PhD, CBiol, FIBiol, MRCVS

Arthur Lindley, MA, DPhil Georgia Mason, PhD David Pritchard, BVetMed, BSc, MPH, MRCVS Stuart Semple, PhD Christopher Sherwin, BSc, PhD Miranda Stevenson, MA, 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
Simon Tonge, BSc
Alexandra Dixon, BA, MSc
Andrew Higgins, BVetMed, MSc, PhD, CBiol, FIBiol, MRCVS
Roger Ewbank, MVSc, CBiol, FIBiol, MRCVS, OBE
Ex officio:
Professor Morris Gosling, PhD, CBiol, FIBiol
Juliet Clutton-Brock, PhD, DSc
Georgina Mace, OBE, DPhil

#### **Awards Committee**

Terms of Reference: Council presents 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 Pat Butler, PhD, CBiol, FIBiol Professor Sir Brian Follett, PhD, ScD, FRS Professor Paul Harvey, DPhil, DSc, FRS Dame Anne McLaren, DPhil, FRS Professor Ian Newton, DPhil, DSc, FRS, FRSE Professor J. Shepherd, BA, PhD Professor W. J. Sutherland, BSc, 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 Bryan Clarke, DPhil, FRS

John Goss-Custard, PhD

Professor Alan Hildrew, PhD

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

Professor Linda Partridge, DPhil, FRSE

Robin Pellew, PhD

Ex officio:

on

ry

n

as

University of London

Vice-chancellor

Principal

Chairman of Convocation

Zoological Society of London:

President

Secretary

Treasurer

Director of Science: Professor Morris Gosling, PhD, CBiol, FIBiol

#### 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

Ken Livingstone, MP

Jonathan Swire

Jane Thornback, MSc

Director General: Richard Burge, BSc

Director, London Zoo: Jo Gipps, 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.

Christopher Marler, Chairman Sir David Madel, MP Derrick Moore John Piggott Roger Smith Professor Roger Wheater, OBE, CBiol, FIBiol, FRSGS, FRSA, FRSE

Director General: Richard Burge, BSc

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 Advisory Board

Professor Jared Diamond, PhD

Professor John Lawton, CBE, PhD, FRS

Professor Stephen Stearns, PhD

Editors: Michael Bruford, PhD

John Gittleman, DPhil

Georgina Mace, OBE, DPhil Robert Wayne, PhD

# International Zoo Yearbook 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

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

Fiona Fisken, BSc

#### Journal of Zoology Editorial Board

Professor Sam Berry, MA, PhD, DSc, FRSE, CBiol, FIBiol, FLS

Clive Catchpole, PhD

Professor Robert Elwood, BSc, PhD

Professor Peter Evans, MA, PhD, DPhil

Tim Flannery, BA, MSc, PhD

Professor Paul Harvey, DPhil, DSc, FRS

Professor Reino Hofmann, TA, Dr med vet, Dr habil

Katharina Mangold, PhD

Professor Brian Morton, PhD

Tim Roper, PhD

Professor John Skinner, MSc, PhD, CBiol, FIBiol, FRS(SA)

Professor Ian Swingland, PhD, DSc, CBiol, FIBiol, FRSA, FRGS

Editor: Juliet Clutton-Brock, PhD, DSc

#### Library Advisory Group

Peter Olney, BSc, DipEd, CBiol, FIBiol, FLS, Chairman Professor R. McNeill Alexander, PhD, DSc, CBiol, FIBiol, FRS Elizabeth Barratt, PhD John Edwards, MA, FLS Beryl Leigh, PhD

Joan Thorne

#### Staff

As at 31 December 1998

#### **Directors**

Director General: Richard Burge, BSc

Director of Science: Professor Morris Gosling, PhD,

CBiol, FIBiol

Director, London Zoo: Jo Gipps, 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**

Director General: Richard Burge, BSc

Secretary/PA to Director General: Karen Harding

Secretary to the Officers: Anne Chapman

#### 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: vacant

Switchboard/Reception

Receptionists: David Hitchcock; Joanne Kent; Jennifer

Molineaux; Sarah O'Neill; Gwen Manning

#### Finance

Director of Finance: Norman Reed, BSc, FCA

Secretary: Susan Morgan

Financial Accountant: Joan Jupp

Management Accountants: Charles Biggie; Keith

Hayward, FCCA

Cash Book Keeper: vacant

Chief Cashier: Dave Lack

Cashiers: Paul Gibbs; Les Oxley; Joe Piggott

Payments Supervisor: Lynette Archer-Morgan

Wages clerk: vacant

# Fellowship

Fellowship Services Manager: Marion Hoyland

#### **Fundraising**

ZSL Fundraiser: Colette Dodge, BEd

#### Information Technology

IT Manager: Rob Jinman

IT Support Assistant: Sean McBirnie

#### Library

Librarian: Ann Sylph, BSc, MSc, MIInfSc Assistant Librarian: Michael Palmer, BA, MA Library Assistant: Karen Deakin, BSc, PGDiplM

#### Press & PR Office

Senior Public Relations Officer: Kirstie Macfarlane, BA Assistant Public Relations Officers: Debbie Curtis, BSc; Helen Golesworthy, BA

#### **Publications**

ZSL Scientific Books, comprising 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)

# Journal of Zoology, Symposia, Nomenclator Zoologicus, Zoological Record

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

#### Animal Conservation

Editors: Michael Bruford, PhD; John Gittleman, DPhil; Georgina Mace, OBE, DPhil; Robert Wayne, PhD Assistant Editor: Linda DaVolls, BA

#### Institute of Zoology

Director: Professor L. Morris Gosling, PhD, CBiol, FIBiol

Institute Administrator: Christina Herterich, ACIS Conservation Genetics: Michael W. Bruford, PhD

Ecology: Richard Pettifor, PhD

Reproductive Biology: William V. Holt, PhD

Veterinary Science: Anthony W. Sainsbury, BVetMed, CertLAS, MRCVS

#### Administrative and Support Staff

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

PA to Director of Science: Joanne Keogh

Administrative Assistant: Karen Nicholas

Secretaries: Anna-Marie Cummins; Catherine Kerr Chief Technician (Animals): Carol Williams, BTEC, HNC

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

General Laboratory Assistant: Breda Farrell

#### **Honorary Research Fellows**

Sarah Cleaveland, VetMB, PhD; George H. DuBoulay, CBE, MB, BSM, FRCP, DMRD; Stephan Funk, PhD; Julie Garnier, DVM; Heather Hall, PhD; Rob Hammond, PhD; Peter Kertesz, BDS, LDS; Professor James K. Kirkwood, BVSc, PhD, MRCVS; Nick Oguge, PhD; Helen J. Shaw, PhD; Amanda Vincent, PhD; Professor Paul F. Watson, BSc, PhD, BVetMed, DSc, MRCVS

#### Postdoctoral Staff and Veterinary Officers

Peter Armbruster, PhD; Elizabeth M. Barratt, PhD;
Michelle Bayes, PhD; Mark A. Beaumont, PhD; Peter
M. Bennett, PhD; Andrew F. Bourke, PhD; Kate Byrne,
PhD; Christopher Carbone, BSc, DPhil; Lounes Chikhi,
PhD; Peter Cotgreave, DPhil; Timothy Coulson, PhD;
Guy Cowlishaw, PhD; Andrew A. Cunningham,
BVMS, MRCVS; Sarah M. Durant, PhD; Alireza
Fazeli, PhD; Edmund Flach, MA, VetMB, MSc,
MRCVS; Benoit Goossens, PhD; Louisa Jenkin, PhD;
Paul Jepson, BVMS, MRCVS; William Jordan, PhD;
Javier Lopez, MSc, MRCVS; Georgina M. Macem,
DPhil; Alison Moore, PhD; Amanda Pickard, PhD;
S. Craig Roberts, PhD; Marcus Rowcliffe, PhD; Stuart
Semple, PhD; Susan M. Thornton, BSc, BVetMed,
MRCVS; James N. Webb, PhD

#### **Technicians**

Chief Technician: David Cheesman, BTec, HNC Senior Technicians: Dada Gotelli, BSc; Daphne I. Green, HNC, AIScT

Technicians: Michelle Andrew, MSc; Matilde R.
Fernandez Ojeda, MV; Louise Gosney, BSc; Miranda
Kadwell, BSc; Chrysoula Karakosta, MSc; Sarah
Lourie, BA; Shaheed Macgregor, HTec, MSc; Elisabeth
Thornton, BSc

Research Assistants: Rob Deaville, BSc; Nicholas J. B. Isaac, BSc

Senior Veterinary Nurse: Anthony K. Fitzgerald, RANA Veterinary Nurses: Gillian Ahearne, VN; Christine Dean, VN; Joanne Knibb, VN

#### Postgraduate Research Students

Samuel A. Andanje, MSc; Johnathan Baillie, MES;
Michelle Bayes, BSc; Jacob Bro-Jorgensen, MSc;
Tamsin Burland, BSc; Stephen P. Casey, BSc; Claudio
Ciofi, BSc; Frank M. Clarke, BSc; Trevor Coote, BSc;
Daniella de Luca, BSc; Juliet Dukes, MSc; Manuela
Fonseca, MSc; Angela Formia; Jim Groombridge, BSc;
Katherine Little, MRes, BA; Alfredo Medrano, BSc;
Jocelyn Milner, BSc; Octavio Paulo, BSc; Piumi
Pelendagama, BSc; Russell Seymour, MSc; Cristiane
Silveira, MSc; Lisa Thurston, BSc; Saffron Townsend
BSc; Stephanie Wehnelt, MSc

#### Field Conservation & Consultancy

Director: Alexandra Dixon, BA, MSc Secretary/PA to Director: Jane Loveless Project Manager: Claire Belsham, BSc

#### **Overseas Staff**

Adam Britt, PhD; Kevin Dunham, BSc, MPhil; Jacques Flamand, BSc, BA, VetMB, MRCVS; John Grainger, PhD; Rob Hammond, PhD; Richard Kock, BA, VetMB, MRCVS; Kathryn Monk, PhD; Saeed Mubarak, VetMB; Iyad Nader, PhD; Zelealem Ashenafi Tefera, MSc; Tim Wacher, PhD; Stuart Williams, 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: Catherine Hallsworth, BA

Conservation Programmes Co-ordinator: Sarah

Christie, BSc

Registrar: Elspeth Chaplin Zoo Manager: Bill James

Curator of Mammals: Doug Richardson
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;
Brian Harris; Fred Smith; Linda Walker; Esther
Wenman, BA; Frank Wheeler

Senior Keepers: Alan Alder; Nichola Burnett; Mike Clark; Caroline Connor; 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; Mary Welsh; Chris Wickenden; Sarah Young; Steve Young

Qualified Keepers: Paul Atkin; Vanessa Long; Karen Nolan, BSc; Lawrence Raybone; Una Richardson; Duncan Rowlatt, BSc; Scott Sturgeon; Luciana Wagner; Craig Walker; Steve Whitelock

Trainee Keepers: Margaret Baukham; Tony Cholerton; Mark Habben, Rachel Jones, MSc; Oscar Long; Lyndsey Marsh; Newton Pellatt; Teague Stubbington, BSc; Olivia Walter, BSc

#### Marketing & Public Relations

Head of Marketing & Public Relations: Sharon Ament, MA, DipCIM

Secretary: Anna Summers, BA

Group & Conference Sales Executive: Terry Lester Promotions Executive: Jill Ratcliffe, BSc Lifewatch & Adoptions Manager: vacant Lifewatch & Adoptions Administrator: Sarah Leggett Marketing Administrator: Claire Bavington

#### **Visitor Information & Education**

Head of Visitor Information & Education: Claire Robinson, BEd Secretary: Joanne Cooper

Education Officers: Sandi Bain, BSc; Anna Keen, BSc,

MSc

Volunteer Co-ordinator: Natalie Pain, BA, PGDip

Bookings Co-ordinator: Tasja Gardner, BA Interpretation Officer: Clare Kelly, BSc

Graphics Co-ordinator/Print & Stationery Buyer:

Adrian Taylor

#### Site & Services

Site & Services Manager: Graham Roden

Secretary: Dot Price

Maintenance Supervisor: Colin Rolfe Contracts Supervisor: Mike Swallow

Craftsmen: Tony Connolly; Martin Foster; John Froud;

Bill Manly; Steve Roberts; Terry Sheehan

Carpenter: Lee Risdale; Stan Bonsey

Semi-skilled Craftsmen: Jim Baker; Dave Field; John

Pearce; Gary West

Electrical Foreman: Robin Fitzgerald

Electrician: Peter Smith Head Gardener: Martin Pett

Gardeners: Ian Ament; Noel Heaphy; Rodney Lynch; George Manly; Jacqueline Smith; Graham Southard

Supplies Buyer: Chris Major

Animal Food Stores Chargehand: Bob Ashmore

Butcher/Driver: Ron Harrison

Grounds Supervisor: Peter Walker-Croft

Grounds Foreman: Jamie Turner

Groundstaff: Beatrice Ampong; Graham Bukovics; Terry Flannery (p/t); Colin George; Gerry Houlder; Colin Jeans; Renuka Lutchman; Alice Sarpong; Anna

Thornburrow; Odit Tiwari

Security Gatekeepers: Melvin Brockwell; Paul Brown;

George Scofield

Stores Assistant: Alex James

#### **Visitor Services**

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

Office Administrator: Elizabeth Allard

Supervisors: Gary Constantine; Evon Nicholas

Warehouse Supervisor: Neil Foot

Visitor Services Assistants: Margaret Brown; Alison

Coutts; Patricia Delius

Admissions Officer: Bob McLaughlin

Assistant Admissions Officer: Suzanne Cole

Senior Gatekeeper: Sharm Ramdass

Visitor Services Assistants: Golam Chowdhury (p/t); Patience Djima; Mandy Jones (p/t); Bala Patel (p/t);

Anne Powell; Christopher Powell Ticket Collector (p/t): Jack Richards

# **Events Manager**

Events Manager: Roger Tomlinson Senior Presenter: Andy Hallsworth

Presenters: Mandy Currie; Rob Goodchild; Michelle

Povada, BSc

# Whipsnade Wild Animal Park

Director: Stuart Earley, FInstD, MInstM, FInstSMM

Assistant 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 Assistant: Janet Hughes

Cashier's Assitant: Sylvia Black

Stores: Tony Latham

#### Operations

Operations Manager: Linda Hughes, GradIPD

Operations Assistant: Jo Woodhead Volunteer Co-ordinator: Graham Lucas

Railway Manager: Ian Gordon Supervisor, Railway: Tony Button

Railwayman: Mick Dickens

Park Services Co-ordinator: Mick Shillingford

Supervisors, Park Services: Ted Baisbrown; John Bradley

Groundsmen: Ron Beeton; Bernard Hawkins

Gardens Chargehand: Rob Scanlan Gardener: Steve Rutter

Works Chargehand: Grant Guild

Craftsmen: Malcom Guild; Jim Harrold; Dave Law; Jim

Whinnett

Trainee: Rob Harris

#### Retail and Main Gate

Retail & Gate Manager: Maureen White

Assistant Retail/Gate Supervisors: Yasmin Bates; Tessa

Roch

Gatekeeper: Tony Newman

#### Catering

Banqueting Manager: David Barker

Deputy Managers: Zoe Fitzpatrick; Simon Kemp Assistant Managers: Amanda Feenan; Jackie Horswell General Catering Assistant (p/t): Marjorie Grizzell

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: Natalie Kelly

#### 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; Sarah Gollop; Jim Gregory, BSc; Mark Holden, BSc; Luke Warren; Veronica Watkins; Craig White; Donovan Glynn

Trainee Keepers: Sian Lamb; Rebecca Raymond; Cheryl Seymour; Sarah Taylor, BSc; Corina Thorne

#### Volunteers

As at 31 December 1998

#### Administration

Jill Beck; Dorothy Gingell; Maureen Hart

# **Animal Management**

Amanda Brown; Jo Castle; Charlotte Coals; Phil Cottons; Nigel Court; Ailsa Farqhar; David Gibson; Jane Harvey; Isobel Hood; Anna Humberstone; Kerry Lyon; Susan Miller; Jacky Newman; Sarah Norris; Katie Rooke; Jee Young Shin; Andrew Sidders; Roger Stanley; Nicola Strazzulo; George Suntar

#### Education

Laurie Allen; Raj Amin; Hazel Amor; Peter Arnold; John Ayrey; Arfan Aziz; Pam Beanlands; Jill Beck; Dominique Beerli; Ian Bishop; Denise Blackwell; Michael Bond; Sheena Bose; Dave Brick; Sally Brough; Joan Browett; Simon Brown; Lilah Cameron; Debbie Catt; Lai Chung Choy; Karen Cilvert; Steph Claxton; John Clifford; Sid Cocks; Andrew Colman; Mary Colwill; Dorothy Copeland; Mary Creedon; Daphne Cross; Tracey Cullen; Ann Curtis; Geoff Cutting; Gladys Davies; Leonard Davies; Phil Davies; Rachel Derrick; Mary De Zouche; Cathy Ellis; Felix Fifer; George Fitt; Sheila Fitt; Janet Gates; Celia Gaya

Trish Gibson; Angela Gilham; Gillian Golding; Valery Golding; Nevil Gorthy; Elizabeth Grabow; Dot Gyngell; Daphne Hamilton; Maureen Hart; Ron Hart; Katherine Hartmann; Margaret Hinkley; James Holden; John Hopkins; Joyce Hunter Lieberman; Susan Hyde; Gina James; Janice James; Jennifer Jennings; Iris Johnson; Edward Jones; Beverley Jordan; Christy Koleszar; Robert Langstone; Sarah Lenton; Belinda Line; Joyce Lockyear; Neale Lunn; Rhonda Maclean; Veronica McDougal; Gary McGuire; Mary Macpherson; David Marlborough; Hilary Marsh; Marina Marshall

Beryl May; Tim May; Carol Mintey; H. A. Moore; Jackie Mutton; Mark Navin; Smain Nedjari; Jo Norcup; Anne O'Brien; Stephen Otter; Prafulla Patel; Rosalind Pike; Jonathan Pollard; Pamela Portefield; Jane Powers; Nargiz Price; Vincent Price; Jean Reich; Hilda Reiley; Renato Ruocco; Jackie Russell; Jo Smith; Julie Smith; Maurice Sobell; Ruth Sober; Debbie Spellman; Jo

Stafferton; Margaret Stafford; Caron Somerset; Susan Street; Abigail Tarr; John Thompson; M. Tracy; Ann Turner; Amelia Walker; Antony Walker; Delene Welch; Jane Wheeler; Christine White; Sarah Winfield; Georgina Wong; David Wooderson; Jonathan Wright

#### Library

Peter Arnold; 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 Brookes; Leile Brown; Ron Brown; Carol Butler; Sidney Cocks; Maureen Cook; Lee Crossman; Kathleen Eames; Kenneth Eames; Arthur Ellis; Pamela Erwood; Elaine Fairey; Nicola Field; Wendy Fitzgerald; Amanda Fraser; Denis Garner; Maggie Garrett; Jean Gercken

Judy Gill; Erica Godman; Evelyn Goodman; Nevil Gorthy; Emma Gray; Jim Griffin; Norman Hancock; Maureen Hardy; Pam Harry; Peter Hawkins; Karen Herbert; Pauline Hodgson; Dorothy Isaacs; Dennis Jones; Miriam Martin; Pat McBride; Betty McHugh; James Marson; Barbara Maryan; Stuart Minall; Patricia Mitchell; Lyn Paynter; Audrey Perrott; Gilly Pugsley; Ilid Putnam; Elizabeth Richmond; Sharon Roberts

Rebecca Sandifer; Raye Sawyer; Peter Scrivener;
Christine Sharpe; Kenneth Sharpe; Walter Smith; Mary
Snoxall; Helen Speed; Mac Speed; Paul Susman;
Sandra Swan; Lorna Taylor; Samantha Taylor; Gillian
Tomkins; Hans van der Grinten; Arthur Waring;
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 1998.

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.

#### **Obituaries**

We record with regret the deaths in 1998 of the following pensioners:

Mr M. Carding; Mrs C. M. T. Hawkins;
Mr C. W. J.Henderson; Mrs L. McGuinness;
Mr A. W. Ransome; Mr R. E. Willis

# Collaboration with Zoological, Conservation and Research Organizations

#### Collaborative projects

African Wildlife Foundation: Ecology of Ankole Cattle, Lake Mburo National Park, Uganda.

BirdLife International: Conservation of endangered invertebrate species from Fregate Island, Seychelles; The health of the Seychelles magpie robin and the implications of disease as a cause of decline.

British Airways Environment: Joint training programme between Whipsnade and Wildlife Department in Ghana.

Central Veterinary Laboratory: Transmissible spongiform encephalopathies of captive wild animals.

Centre de Coopération Internationale en Recherche Agronomique pour le Dévelopment (CIRAD) France: Investigation of the role of wildlife in rinderpest

epidemiology in Africa.

Centre Internationale des Recherches Medicales de Franceville (CIRMF), Gabon: Genetics of bushbabies and gorillas.

Department of the Environment, Darwin Initiative:
Integrating traditional resource management with
conservation of biodiversity and of the Ethiopian wolf;
Survey of biodiversity in Akagera National Park,
Rwanda; Peruvian camelid genetic resources.

Department For International Development: Chitwan Wildlife and Domestic Veterinary Project, Nepal; Cows, Culture and Conservation, Uganda.

Department of National Parks and Wildlife Conservation, Nepal: Chitwan Wildlife and Domestic Veterinary Project.

Department of Wildlife, Ghana: Management of wildlife in Accra and Kumasi Zoos.

Desert Research Foundation of Namibia: Behavioural ecology of Nama pastoralists, Namibia.

Design SA Greece: St Katherine's Protectorate Management Plan, Sinai.

Duke University Primate Centre, USA: Reintroduction of black and white ruffed lemur, Madagascar.

Durrell Institute for Conservation Ecology, University of Kent: Conservation in Ethiopia; Thesis advisor.

Earthwatch: Conservation biology of the Komodo dragon.

Egyptian Environmental Affairs Agency: Management
plan for St Katherine's Protectorate, Sinai;

Reintroduction of Egyptian tortoise

Emory University, USA: Phylogeny of human cultural evolution; Cross-cultural analysis of the evolution of

human kinship systems.

English Nature: Genetics of keynote species including red squirrels, wartbiter and field crickets and greater horseshoe bats; Species recovery plans for above species and mole cricket; Management of SSSI at Whipsnade; Dormouse and smooth snake captive-breeding projects; Breeding and reintroduction of Barberry carpet moth; Field cricket breeding and release programme.

Environmental Know-How Fund: Feasibility study for the reintroduction of European bison in Romania.

Estación Experimental de Zonas Aridas, Spain: Reproduction in dama gazelle. Ethiopian Wildlife Conservation Organization, and Regional Council of Amhara State: Integrating traditional resource management with the conservation of biodiversity and of the Ethiopian wolf.

Great Bustard Trust: Collaborative work on management and conservation of great bustards.

HM Customs: Housing and advice on identification of reptiles, birds and mammals.

Hornocker Wildlife Institute, Idaho: Hunting lease management in the Russian Far East.

Humboldt State University, California: Population dynamics of geese

Huszar Brammah: Leuser Development Programme, Sumatra.

Institute of Terrestrial Ecology, Banchory: Population dynamics of sheep and deer.

Institute of Oceanography, Nna Trang, Vietnam: Seahorse project.

Jersey Wildlife Preservation Trust: Reintroduction of black and white ruffed lemur, Madagascar

Joint Nature Conservation Committee: Analysis of wetland bird survey (weBS) data.

Kadoorie Farm and Botanic Garden Fauna Conservation Dept., Hong Kong: Mammal husbandry advice.

Kenyatta University, Kenya: Mole-rat genetics.

King Khalid Wildlife Research Centre, Saudi Arabia:
Gazelle genetics; reintroduction, protected area management.

King Mahendra Trust for Nature Conservation, Nepal: Central staff training; Zoo mammal husbandry advice; Chitwan Veterinary Project.

King Mahendra (UK) Trust: Support for Chitwan Veterinary Project.

Macaulay Land Use Research Institute: Plant-herbivore interactions and the population demography of Soay sheep.

Madagascar Fauna Group: Reintroduction of black and white ruffed lemur, Madagascar.

Manchester Metropolitan University: ARKS and SPARKS training course.

McGill University, Canada: Taxonomy, field conservation and breeding of sea horses and sea moths.

Michigan State University, USA: Hyaena genetics.

Moredun Research Institute: Epidemiology of parapoxvirus infection in squirrels.

Namibian Evolutionary Ecology Group, Namibia: Behavioural ecology of Nama pastoralists, Namibia.

Natural History Museum: Conservation area selection research; Taxonomy and conservation of Lake Tana barbs; Threats to cetaceans around England and Wales; Specimens for research and display; Parasitic infections of captive and free-living wild animals.

Nature Protection Trust for Seychelles: Conservation of endangered invertebrate species in Fregate Island, Seychelles.

Nature Conservation Bureau: Phylogenetics of bustards.

Norwegian Polar Institute, Norway: Population
dynamics of geese.

Oxford Brookes University, Oxford: Bushbaby genetics. Rare Breeds Survival Trust: Genetics of rare breeds of cattle and sheep.

Royal Society for the Prevention of Cruelty to Animals: Consultant veterinary advice; Advice on management and identification of reptiles and invertebrates.

Royal Society for the Protection of Birds: Consultant veterinary advice; Analysis of weBS data.

Royal Veterinary College: Parasitology research and clinical cases; Parasites and host behaviour.

St Mary's Hospital: Retroviral infections in wild animals.

San Francisco State University, USA: Genetics of birds in Cameroon.

School of Oriental and African Studies, London: Comparative analysis of Nama and Damara survival strategies, Namibia.

Scottish National Heritage: Phylogenetics of Scottish wildcat; Population viability analyses of geese.

Silvi Nova, Sweden: Leuser Development Programme, Sumatra.

Sumatran Tiger Project: Tiger survey.

Tebodin, Belgium: St Katherine's Protectorate Management Plan, Sinai.

The Wildfowl and Wetlands Trust: Individual-based models, population dynamics of geese; Analysis of weBS data.

Trinity College, Dublin: Genetics of rare breeds of domestic livestock.

Uganda Wildlife Authority: Ankole Cow, Lake Mburo Project.

University of Aberdeen: Phylogenetics of pipistrelle bats. University of Bristol: Social structure of greater horseshoe bat; Individual-based behavioural models.

University of British Columbia, Canada: Reproductive strategies and differences in individual behaviour.

University of California at Davis, USA: Research on Serengeti cheetahs.

University of California at Los Angeles, USA: Genetics research.

University of Cambridge: Behavioural study on Patagonian cavy at Whipsnade; Behavioural ecology study of Chinese water deer at Whipsnade; Hostparasite interactions in Soay sheep; Population dynamics of deer and sheep; Extinction risk dynamics in birds and mammals.

University of Cambridge, Sea Mammal research Unit: Gene flow in populations of seals.

University of Cape Town, South Africa: Buffalo genetics. University of Chicago, USA: Baboon genetics.

University of Copenhagen, Denmark: Genetics of birds in Cameroon and African bovids.

University of East Anglia: Genetics of rare breeds of cattle and sheep.

University of Edinburgh: Genotype by environment interactions in red deer and Soay sheep.

University of Grenoble, France: Genetics of rare breeds of domestic livestock.

University of Groningen, The Netherlands: Individualbased behavioural models of geese, Population dynamics in geese.

University of Kent: Capture-mark-recapture estimates of the survival of Soay sheep.

University of Leeds: Mechanical properties of wallaby tendons.

University of Lisbon, Portugal: Conservation genetics and captive breeding of endangered lizard (Lacerta lepida) from Berlenga Island, Portugal.

University of Liverpool: Primate conservation biology.

University of London, Imperial College:

Plant-herbivore interactions and population demography of Soay sheep; Transmissible spongiform encephalopathies of captive wild animals; Extinction risk analysis of mammals; Determinants of primate population persistence in disturbed habitats.

University of London, King's College: Starfish genetics. University of London, Queen Mary & Westfield

College: Health, welfare and population genetics of red squirrels in the UK reintroduction programme; Epidemiology of parapoxvirus infections in squirrels.

University of London, University College: Genetic variation in the horse; Control of gene expression during spermatogenesis; Evolutionary biology of alanine glyoxylate aminotransferase; Individual-based behavioural models; Distribution, abundance and rarity in African primates.

University of Madison, USA: Song sparrow genetics.
University of Montpellier II, France: Genetics of rare breeds of domestic livestock.

University of Namibia, Namibia: Behavioural ecology of Nama pastoralists, Namibia.

University of Natal, South Africa: Ecological aspects of vigilance in wild samango monkeys.

University of Nottingham: Partula snail programme.

University of Oregon, Oregon: Viability analysis to assess extinction risks in managed populations.

University of Oslo, Norway: Population dynamics of geese.

University of Oxford: Mate choice and male reproductive success in wild brown rats; Development of microsatellite library for study of population genetics of range expansion by cynipid gall wasps; Analysis of reproductive strategies and population dynamics in Wytham tits.

University of Oxford, Wildlife Conservation Research Unit: Conservation of the Ethiopian wolf.

University of Reading: Depletion and individual-based models.

University of San Marcos, Peru: Genetic variation in South American camelids.

University of Sheffield: Conflicts in social Hymenoptera (AFBG).

University of Stirling: Population dynamics in sheep. University of Surrey: Fungal infections of amphibians and invertebrates.

University of Sussex: Communication in African elephants.

University of Trondheim, Norway: Population dynamics of geese.

University of Vienna, Austria: Genetics of rare breeds of domestic livestock.

University of Virginia, USA: Extinction degrees in mammals. University of Washington, Seattle, USA: Markrecapturing and prey choice analysis on Serengeti cheetahs.

Wildlife Conservation Society, New York: Cheetah conservation (funding only); Conservation biology of the Komodo dragon; Hunting lease management in the Russian Far East.

World Wide Fund for Nature East African Regional Office: Assessment of black rhino management in Zimbabwe.

# Representation

Animal Health Information Specialists (UK & Ireland): Ann Sylph (Member).

Animal Reproduction Science: William Holt (Member, Editorial Board).

ASLIB Biosciences Group: Ann Sylph (Membership Secretary).

Association of Leading Visitor Attractions: Jo Gipps (Hon. Treasurer)

British Andrology Society: William Holt (Committee Member); Alison Moore (Committee Member).

British Veterinary Zoological Society: Andrew Cunningham (Hon. Treasurer); Sue Thornton (Council Member).

British Wildlife Rehabilitation Council: Tony Sainsbury (Member, Steering Committee).

Cambridge College of Agriculture and Horticulture: Whipsnade Industrial Link.

Centre for Ecology & Evolution, University of London: Morris Gosling (Member, Steering Committee).

Coral Cay Conservation: Martin Cooke (Patron).

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

Durrell Institute of Conservation & Ecology: Michael Bruford (Visiting Lecturer).

European Association of Zoological Parks & Aquaria: London Zoo (Institutional Member); Sarah Christie (Co-ordinator, Tiger EEP and Amur leopard EEP; Member EEP Felid TAG); Andrew Cunningham (Veterinary Adviser, EEP Penguin TAG); Sarah Durant (Member, Cat Specialist Group); Nick Lindsay (Member EEP Cheetah, Gruiformes, Deer, Przewalski's Horse, Scimitar-horned oryx, Greater one-horned rhino, White rhino TAGs; Co-Chair, Rhino TAG; Chairman, Nile Lechwe EEP); Paul Pearce-Kelly (Co-Chairman, Terrestrial Invertebrate TAG; Co-ordinator, Partula snail EEP); John Pullen (Member, EEP Primate TAG); Andy Reeve (Member, Falconiformes TAG); Doug Richardson (Co-ordinator, Asiatic lion EEP; Member, EEP Felid, Antelope, Monotreme and Marsupial TAGs; Simon Tonge (Chairman, EEP Toucan & Turaco TAG); Member, EEP Pigeon, Hornbill, Passerine, Parrot and Ciconiiform TAGs; Adviser to EEP Reptile TAG); Frank Wheeler (Corresponding Member, EEP Marsupial TAG).

Fauna and Flora International, Conservation Committee: Paul Pearce-Kelly (Member).

Federation of Zoological Gardens of Great Britain and

Ireland: London Zoo (Member); Whipsnade Wild Animal Park (Member); Jo Gipps (Hon. Treasurer) Council: Jo Gipps

Joint Management of Species Committee: Sarah
Christie (Corresponding Member); Heather Hall
(Member); Nick Lindsay (Member); Paul Pearce-Kelly
(Member); Simon Tonge (Member); Doug Richardson
(Member).

Conservation and Animal Management Committee: Nick Lindsay (Chairman); Simon Tonge (Member). Taxon Advisory Groups: Elizabeth Barratt (Member, UK Chiropteran and Insectivore TAG); Clive Bates (Member, UK Stork, Ibis & Spoonbill TAG); Dave Clarke (Member, UK Terrestrial Invertebrate TAG; Chairman, Mollusc Sub-Group; Member, UK Fish & Aquatic Invertebrate TAG); Alexandra Dixon (Member, UK Rhino TAG); Heather Hall (Chairman, UK Reptile TAG; Chairman, Seahorse Conservation Group; Co-Chairman, UK Fish & Aquatic Invertebrate TAG); Brian Harris (Member, UK Fish & Aquatic Invertebrate (TAG); Melvin Lear (Member, UK Reptile TAG); Nick Lindsay (Chairman, UK Rhino TAG; Co-Chairman, UK Crane TAG; Member, UK Bovid and Equid TAGs); Duncan McGinnie (Member, UK Fish & Aquatic Invertebrate TAG); Trevor Moxey (Member, UK Terrestrial Invertebrate TAG); Paul Pearce-Kelly (Member, UK Terrestrial Invertebrate TAG; Chairman, Orthoptera Sub-Group); John Pullen (Member, UK Primate TAG); Les Radford (Member, UK Marine Mammal TAG); Andy Reeve (Member, UK Diurnal Raptor TAG); Doug Richardson (Chairman, UK Bovid TAG; Member, UK Small Carnivore, Rodent & Lagomorph, and Monotreme & Marsupial TAGs); Simon Tonge (Chairman, UK Hornbill, Toucan & Turaco TAG; Member, UK Ciconiiform, Falconiform, Parrot, Penguin, Passerine, Pigeon & Reptile TAGs); Esther Wenman Member, UK Reptile TAG); Frank Wheeler (Corresponding Member, UK Small Carnivore TAG); Andy White (Member, UK Penguin TAG).

Exotic Pet Advisory Committee: Heather Hall (Member).
Friends of Conservation: Morris Gosling

(Member, Scientific Advisory Board).

Ghana Wildlife Department: Nick Lindsay (Adviser to Zoo Committee).

Great Bustard Group: Clive Bates.

Institute of Fisheries Management Committee: Heather Hall (Member).

International Species Inventory System: The Zoological Society of London (Corporate Member).

International Species Recovery Committee for the Golden Lion Tamarin: Jo Gipps (Member).

IUCN - World Conservation Union (Species Survival Commission): Elizabeth Barratt (Member, Conservation Breeding Specialist, and Reintroduction Specialist Groups); Michael Bruford (Member, Conservation Breeding Specialist Group); Sarah Christie (Member, Cat and Conservation Breeding Specialist Groups); Andrew Cunningham (Member, Conservation Breeding Specialist Group); Alexandra Dixon (Member, Conservation Breeding, Antelope, Parrot, and

Reintroduction Specialist Groups); Edmund Flach (Member, Veterinary Specialist Group); Jacques Flamand (Antelope, and Veterinary Specialist Groups); Jo Gipps (Member, Steering Committee; Member, Conservation Breeding, Primate, and Reintroduction Specialist Groups); Morris Gosling (Member, Antelope Specialist Group); Richard Kock (Member, Veterinary Specialist Group); Nick Lindsay (Member, Reintroduction, and Insectivore Specialist Groups); Georgina Mace (Member, Steering Committee, and Conservation Breeding and Reintroduction Specialist Groups); Peter Olney (International Studbook Coordinator, Conservation Breeding Specialist Group; Emeritus Member, Reintroduction Specialist Group); Paul Pearce-Kelly (Member, Mollusc, and Reintroduction Specialist Groups; Member, Invertebrate Conservation Task Force; Chairman, CBSG Invertebrate Working Group); Doug Richardson (Member, Cat, and Conservation Breeding Specialist Groups); Craig Roberts (Member, Antelope Specialist Group); Tony Sainsbury (Member, Veterinary Specialist Group and Conservation Breeding Specialist Group). IUCN Declining Amphibian Populations Task Force: Andrew Cunningham (Chair).

Jersey Wildlife Preservation Trust: Georgina Mace (Member, Scientific Advisory Committee)

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

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

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

NERC Terrestrial Sciences Peer Review Committee: Georgina Mace (Member).

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

Primate Society of Great Britain: Georgina Mace (Council Member).

Royal Veterinary College: Morris Gosling (Council Member).

Society for Conservation Biology: Georgina Mace (Member, Board of Governors).

Thai Society for the Conservation of Wild Animals: Sarah Christie (Adviser).

UK Dependent Territories Conservation Strategy Forum: Alexandra Dixon (Member); Paul Pearce Kelly (Member, Board).

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

UK Reef Working Group: Heather Hall (Member).

Veterinary Invertebrate Society: Andrew Cunningham (Council Member).

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

World Association of Wildlife Veterinarians: Tony Sainsbury (Chairman).

World Pheasant Association: Simon Tonge (Chairman, Conservation Policies and Programmes Committee, to Sept 1998). Zoo Outreach Organization, India: The Zoological Society of London (Corporate member).

# Publications by ZSL Staff and Research Workers

Abaigar, T., Holt, W. V., Harrison, R. A. P. & del Barrio, G. (1998). Sperm subpopulations in boar (Sus scrofa) and gazelle (Gazella dama mhorr) semen as revealed by pattern analysis of computer-assisted motility assessments. Biology of Reproduction 60: 32-41.

Abu Elzein, A. M. E., Sanouka, M. A., Al-Afleq, A. I., Mohammed, O. B. & Flamand, J. R. B. (1998). Arbovirus infections of ruminants in Al-Rub Al-Khali desert. Veterinary Record. 142: 196-197.

Albon, S. D., Coulson, T. N. & Clutton-Brock, T. H. (1998). Demographic constraints in red deer (Cervus elaphus): can the past predict the future? 3<sup>rd</sup> International Congress Biology of Deer (Edinburgh): 85-95.

Armbruster, P., Bradshaw, W. E. & Holzapfel, C. M. (1998). Effects of postglacial range expansion on allozyme and quantitative genetic variation of the pitcher-plant mosquito, Wyeomi smithii. Evolution 52: 1697-1704.

Baker, J. R., Jepson, P. D., Simpson, V. R. & Kuiken, T. (1998). Pathology of grey seals (*Halichoerus grypus*) found dead on the coasts of the U.K. *The Veterinary Record* 142: 595-601.

Beaumont, M. A., Ibrahim, K., Boursot, P. & Bruford, M. W. (1998). Measuring genetic distance. In Molecular Tools for Screening Biodiversity: 315-325. Karp, A., Isaac, P. G. & Ingram, D. S. (Eds). London: Chapman and Hall.

Berger, L., Speare, R., Daszak, P., Green, D. E., Cunningham, A. A., Goggin, C. L., Slocombe, R., Ragan, M. A., Hyatt, A. D., McDonald, K. R., Hines, H. B., Lips, K. R., Marantelli, G. & Parkes, H. (1998). Chytridiomycosis causes amphibian mortality associated with population declines in the rain forests of Australia and Central America. Proceedings of the National Academy of Sciences USA 95: 9031-9036.

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Blase, N., Fazeli, A. R., Topper, E., Bevers, M. M., Woelders, H., Töpfer-Petersen, E. & Colenbrander, B. (1998). Inhibition of boar sperm binding to homologous zona pellucida by antibodies against ZP3α and ZP3β glycoproteins. Reproduction in Domestic Animals 33: 21-25.

Bourke, A. F. G. & Chan, G. L. (1998). Kin conflicts in the facultatively polygynous ant *Leptothorax acervorum*. In *Social* insects at the turn of the millennium: 72. Schwarz, M. & Hogendoorn, K. (Eds). XIII Congress of IUSSI Inc., Adelaide.

Bourne, D. (1998). Disease and mortality in Bennett's wallables (Macropus rufogriseus rufogriseus) at Whipsnade Wild Animal Park. Medical conditions and veterinary considerations of zoo animals. Proceedings of the spring meeting of the BVZS. June 1997: 9-12.

Bradshaw, W. E., Armbruster, P. & Holzapfel, C. M. (1998).
Fitness consequences of hibernal diapause in the pitcher-plant mosquito, Wyeomyia smithii. Ecology 79: 1458-1462.

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Bruford, M. W., Ciofi, C. & Funk, S. M. (1998). Characteristics of microsatellites. In Molecular Tools for Screening Biodiversity: 202-205. Karp, A., Isaac, P. G. & Ingram, D. S. (Eds). London: Chapman and Hall.

Bruford, M. W., Hanotte, O. & Burke, T. (1998). Multi-and single locus DNA fingerprinting. In Molecular Analysis of Populations: A Practical Approach: 287-336. 2nd Edition. Hoelzel, A. R. (Ed.). Oxford: IRL Press.

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- Buhi, W. C., Alvarez, I. M., Pickard, A. R., Cleaver, B., Diehl, J. R. & Ashworth, C. J. (1998). Comparison of oviductal activity in indigenous (LW) and prolific Chinese Meishan (MS) pigs. Journal of Reproduction and Fertility Abstract Series 22: No. 44.
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- Butlin, R. K., Walton, C., Monk, K. A. & Bridle, J. R. (1998). Biogeography of Sulawesi grasshoppers, genus Chitaura using DNA sequence data. In Biography and Geological Evolution of south-east Asia. Hall, R. & Holloway, J. D. (Eds). London: Geographical Society and Backhuys Publishers.

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- Cheng, F. P., Fazeli, A. R., Voorhout, W. F., Tremoleda, J. L., Bevers, M. M. & Colenbrander, B. (1998). Progesterone in mare follicular fluid induces the acrosome reaction in stallion spermatozoa and enhances in vitro binding to the zona pellucida. International Journal of Andrology 21: 57-66.
- Cheng, F. P., Gadella, B. M., Voorhout, W. F., Fazeli, A. R., Bevers, M. M. & Colenbrander, B. (1998). Progesteroneinduced acrosome reaction in stallion spermatozoa is mediated by a plasma membrane progesterone receptor. Biology of Reproduction 59: 733-742

Christie, S. (1998). European studbook for tigers. 3. London: Zoological Society of London.

Ciofi, C. & Bruford, M. W. (1998). Isolation and characterization of microsatellite loci in the komodo dragon Varanus komodoensis. Molecular Ecology 7: 134-136.

Ciofi, C., Funk, S. M., Coote, T., Cheesman, D. J., Hammond, R. L., Saccheri, I. J. & Bruford, M. W. (1998). Genotyping with microsatellite markers. In Molecular Tools for Screening Biodiversity: 202-205. Karp, A., Isaac, P. G. & Ingram, D. S. (Eds). London: Chapman and Hall.

Clark, K. M., Carroll, J. B., Clark, M., Garrett, S. R. T., Pinkus, S. & Saw, R. (1998). Capture and survey of Livingstone's fruit bat Pteropus livingstonii in the Comoros Islands: the

1995 expedition. Dodo 33: 20-35.

Clark, M. (1998). The mongoose lemur Eulemur mongoz on Anjouan, Comoros. Dodo: 33: 36-44.

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Coulson, T. N., Pemberton, J. M., Albon, S. D., Slate, J., Guinness, F. E. & Clutton-Brock, T. H. (1998). Genotype by environment interactions in winter survival in red deer. Journal of Animal Ecology 67: 434-445.

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- Daszak, P. & Cunningham, A. A. (1998). Wildlife disease biology comes of age. Orxy 32(4): 238-239.
- Daszak, P. & Cunningham, A. A. (1998). "Maladaption syndrome" and captive reptiles. Medical conditions and veterinary considerations of zoo animals. Proceedings of the spring meeting of the BVZS. June 1997: 7-8.

Du Boulay, G. H. (1998). The story of the internal carotid artery of mammals: from Galen to sudden infant death syndrome.

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Dunham, K. M. (1998). Spatial organisation of mountain gazelles Gazella gazella reintroduced to Central Arabia. Journal of Zoology (London) 245: 371-384.

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# **Animal Collection Report**

Compared with 1997 there were fewer major building projects at either site. The only large development was the new hippo complex at Whipsnade, which houses all common and pygmy hippos together under one roof and has excellent public viewing areas and extended paddocks to the outside pools. New indoor areas were also created for the greater Asian one-horned rhinos at Whipsnade and these are attached to three large paddocks which can be viewed by car, on foot and from the railway.

At Regent's Park the largest development was the conversion of the Three Island Pond to hold both pelicans and flamingos. The latter had been moved from the pond roughly ten years ago, in order to try to re-stimulate breeding in the flock. This has proved unsuccessful and it was thought that a return to the Three Island Pond, where the flock used to breed regularly, might provide the stimulus required. The Clock Tower Aviary near Barclay Court was converted to house a pair of red-ruffed lemurs and it is hoped that they will breed during 1999.

The other end of the scale, both in size and budget, saw a change in use of the video room in the Discovery Centre at Whipsnade to what is now known as the Conservation Room. This will provide excellent facilities for Whipsnade to join London in managing Lake Victoria cichlids, seahorses, *Partula* snails and other threatened species. Development of this area was made possible through the endeavours of the staff of the Discovery Centre, who enlisted considerable support in materials and equipment from the local business community.

At London, the most significant births were two sloth bear cubs, born in January. One did not survive, but the other, a male, could be seen by visitors just before Easter. His mother's behaviour changed drastically and the stereotypic behaviour which she showed when she arrived from her previous home was greatly reduced. However, she became aggressive to a number of other animals in the enclosure, with the result that one muntjac was killed and the other had to be removed. Despite this, it was possible to keep the male bear with the female and cub and they proved to be a good exhibit throughout the summer.

At Whipsnade two pygmy hippos were born towards the end of the year. One was produced by 'Valenta', who had undergone a caesarean section three years ago. Unfortunately she did not survive a second caesarean, but the female calf was hand-reared and is progressing well.

The red pandas at both sites bred and the Whipsnade pair succeeded in rearing a youngster. It was the first birth for the London pair and the youngsters did not survive past two days of age. A female anoa calf was born and successfully reared at Regent's Park, although the mother tended to over-groom the calf and when it first emerged into the paddock it appeared somewhat bald. In the Clore Pavilion, the pottos that arrived during 1997 produced their first infant, which grew rapidly and by the end of the year had been sent on a breeding loan to Rotterdam Zoo.

Many species of bird bred successfully during the year. At Whipsnade, the pair of Stanley cranes produced four chicks from three clutches and the red-crowned cranes at London hatched two chicks, but unusually both died within two days from aspergillosis. The real success, however, was hatching a Brolga crane at Whipsnade following the use of artificial insemination. This pair had bred only twice previously in the last twenty years or so. Artificial insemination in cranes could prove invaluable in the future and this is a very encouraging start. Three Caribbean flamingo chicks were parent-reared at Whipsnade and were joined later in the season by a handreared greater flamingo chick. The egg, which was laid at Flamingo Gardens, in Olney, in the Society's flock held at that collection, hatched in an incubator after the parent birds had rejected it.

Hand-rearing skills were also used when four painted stork eggs were received from Thrigby Hall following a late laying of a second clutch. With poor weather expected, Whipsnade took the eggs for incubation and one chick hatched. Unfortunately, despite a promising start, the chick died at a few weeks of age. Hand-rearing at Regent's Park resulted in the first ever successful rearing of a superb fruit dove by hand. Pigeons and doves are extremely difficult to rear artificially because the parent birds produce a crop milk that is hard to simulate. The Bird House staff prepared an artificial diet, and a male chick was successfully fledged three weeks later. Late in the year a Moluccan cockatoo hatched in an incubator. At the end of the year the chick was being successfully reared using puppets to avoid any risk of imprinting on keepers.

The West African dwarf crocodiles bred in the new large enclosure at Whipsnade for the first time. Previous years had seen plenty of eggs produced, but they had always proved infertile. This year four young were hatched. Tortoises were bred at both sites, with Hermann's and Kleinmann's breeding at Whipsnade and Kleinmann's and pancake breeding at Regent's Park.

The conservation programme for threatened invertebrates from Fregate Island in the Seychelles

developed well. By the year-end, there were  $60 ext{ F}_1$  Fregate beetles, 700 great millipedes and 104 Fregate Enid snails awaiting transfer to the new Web of Life exhibit in the Millennium Conservation Centre.

By the end of the year there were no lions in the collection at Whipsnade following the death of the single remaining female at the age of twenty. The female gaur 'Gretel' also died and the death of 'Othelo', a Przewalski horse stallion imported from Germany earlier in the year, was a setback, but it is hoped that he had already sired a number of foals for 1999.

At Regent's Park the adult male giraffe 'Hilary' died at the age of twenty-three. He was born in the Zoo in 1975. The Zoo's oldest animal, the great Indian hornbill, 'Josephine' who came to Regent's Park in 1951, was euthanased in November.

Probably the most significant animal moves during the year involved rhinos. The two young Asian one-horned rhinos from Nepal were transferred from London to Whipsnade in the Autumn. The male black rhino at Whipsnade, 'Kati Kati' was exchanged with Chester Zoo for 'Quinto', originally born in Zurich. This move was part of the EEP for this critically endangered species and it is hoped that two new breeding pairs will have been established as a result.

The group of greater Kudu at Regent's Park was transferred to the Institute of Zoology facility at Whipsnade, where the health status of the animals will continue to be monitored under more controlled conditions. Their London Zoo paddock was converted to hold four male rheas from Marwell Zoo which will eventually be moved to the paddock alongside Web of Life. A young male giant anteater, from Dortmund Zoo, will also be housed in this enclosure; he is currently being quarantined in the Clore Pavilion and a female is due to arrive from Santa Barbara Zoo, California. It is almost ten years since this remarkable species was in the collection at Regent's Park and it is hoped that we will be able to establish a breeding group in our new purposebuilt facility.

Whipsnade assembled a herd of one male and three female Przewalski's horses, including one from the Whipsnade herd, for health checks prior to their transfer to Hungary to join a grassland management programme in Hortobagy National Park. This herd will join two others already established in the grasslands as part of an exciting project using the particular grazing strategies of the Przewalski's horse to assist in the management of this important habitat.

In collaboration with English Nature, another release of English field crickets bred in the Invertebrate House at Regent's Park was carried out at sites in southern England; over four thousand animals were returned to the wild.

A group of Lake Victoria velvet black cichlids from Chester Zoo was bred successfully at London and a group was later transferred to Whipsnade. If this colony breeds, we plan to link with the University of Luton and use their skills in cryopreservation of fish embryos to develop strategies for the conservation of this and many other fish species. The Aquarium also received three pairs of

Knysna seahorses from South Africa. This species seems better able tolerate the water systems in the Aquarium and by the end of the year over forty offspring had been born.

To encourage breeding in the London Zoo gorilla group, which has not reproduced in ten years, the male 'Jeremiah' was transferred to Belfast Zoo and a new male 'Jomie' was received from Port Lympne. Unfortunately the project received a setback when it was discovered that 'Jomie' was carrying Hepatitis B and his introduction to the females was delayed while they were immunised against the disease. To increase space for the gorillas, nine chimpanzees were transferred to Dudley Zoo to form a new group. Two older females were received in return and these were introduced to the remaining elderly pair at London. The four chimpanzees were then transferred to the former gorilla enclosure.

Several bird species were added to the collections. Perhaps the most significant was a group of eight Dalmatian pelicans from Villars les Dombes, France. These birds were quarantined at Whipsnade before being transferred to Regent's Park where they are housed with the group of white pelicans. In summer both species will be housed on Three Island Pond, where it is hoped that breeding may start. Other additions to the collections include a golden eagle for the flying bird demonstration at Whipsnade and Chinese pond herons, pope cardinals, and red-tailed Amazons at Regent's Park.

ZSL's contribution to Species Management within the UK and Europe is second to none. At the year-end Society staff chaired three European and eight UK Taxon Advisory Groups, and held two international, eight European and three UK studbooks.

Dr Heather Hall participated in a fish TAG expedition to Mexico, searching, successfully, for endangered livebearing fishes. She also carried out field work on seahorses in the Philippines, and organised a seahorse management workshop at the Shedd Aquarium in Chicago. Dave Clarke and Trevor Coote carried out further field work on *Partula* snails on Tahiti and a new strategy for the conservation of these snails will be developed during 1999. Esther Wenman carried out field work on Kleinmann's tortoise in Egypt, culminating in the trial reintroduction of ten specimens onto a small island in the Zaranik protected area in the north of the country.

By the year-end much of the work at Regent's Park was concentrated on the development of *Web of Life* which will illustrate the nature of biodiversity and its conservation, and provide a new base for the Zoo's invertebrate conservation work. New species such as robber crabs (from Diego Garcia in the Indian Ocean), domino beetles, desert beetles, dung beetles and giant millipedes have been received, and the holding vivaria and aquaria for other unusual species such as giant wetas, freshwater mussels and mole-rats are under construction. At Whipsnade, the penguin exhibit has been completely redesigned and construction should be complete well before Easter 1999.

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

# ANIMALS IN THE COLLECTIONS

Key to columns for Mammal	s, Birds, Reptiles, Amphibians	and Fi	shes:								,	,	3		5	6	7
column 1 Number of anii	mals in the Collection at 1st Janu	ary 199	98.									7	3	- 2	9	0	1
									Chiroptera								
column 2 Number of anii	mals received in 1998 by present:	ation, e	xchange	. purc	hase, o	r transfe	er betwe	en	Pteropus rodricensis (CR)	Radrimus Emit Dat	30		12	4	2		22/14
	two Collections. The figures in b									Rodrigues Fruit Bat			13	4	120	110	22/14
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andrews 2 November of continuous									Scandentia								2.0
column 3 Number of anii	mals born or hatched during 1998	5.							Tupaia minor	Pygmy Tree Shrew	2	-	1	1	1	1	0/1
									Tupaia tana	Large Tree Shrew	4		4	2	1		1/2/2
	mals which died in 1998 within 3								D-1								
	dicate animals born or hatched d	uring D	)ecembe	r 199	7 which	n died d	uring Ja	nuary	Primates								1 200
1998. Stillbi	rths are not included.								Varecia variegata variegata (EN)	Black-&-white Ruffed Lemur	1	-	-	-	-		0/1
	•								Varecia variegata rubra (CR)	Red Ruffed Lemur	2	2(2)			*	*	2/2
column 5 Number of anii	mals which died during 1998, ap-	art from	n those i	nelude	d in co	lumn 4			Cheirogaleus medius	Fat-tailed Dwarf Lemur	7		1	-	-	3	2/2/1
									Hapalemur griseus								
column 6 Number of anii	mals disposed of in 1998 by prese	entation	. excha	nee de	enosit s	sale or t	ransfer		alaotrensis (CR) SS	Alaotran Gentle Lemur		3					2/1
	Society's two Collections. The fig							to boon	Loris tardigradus (VU)	Slender Loris	5		*		1	-	3/1
	etween the two Collections.	Sur co III	Diacac	to man	are am	iiiiais w	men ma	e occii	Nycticebus coucang	Slow Loris	3	1		+	-	-	2/4
transferred or	atween the two Concentons.								Nycticebus pygmaeus (VU)	Pygmy Slow Loris	4	1	-			1	2/2
	- 1 - 4 - C-11 - 12 - 12 - 12		1000 1						Perodicticus potto	Potto	2	-	1			1	1/1
	mals in the Collection at 31st Dec				sexes	where t	hese are		Galago senegalensis	Senegal Bushbaby	3	-	5	2		2	4/1/1
known, e.g.	1/3/1 indicates 1 male, 3 female,	1 sex u	inknown	1.					Aotus lemurinus griseimembra	Douroucouli	4	1	-		1	2	1/1
									Pithecia pithecia	White-faced Saki Monkey	3	1	*	175	1	1	2/2
Key									Ateles paniscus	Red-faced Black Spider Monkey	4		-			-	2/2
G Genus new to the Collection	on Species subject to the	e Agree	ement v	rith	Free	e-rangin	g anima	ls at	Callithrix jacchus	Common Marmoset	12		3			5	7/3
S Species new to the Collect	ion the Marwell Preserv	ation T	rust on		Whi	ipsnade	censuse	d once	Callithrix geoffroyi (VU)	Geoffroy's Marmoset	3	1	1	1	1		2/1
SS Sub-species new to the Col		manag	ement		a ye	Contract of the second			Callithrix argentata argentata	Silvery Marmoset	4	1	-	-		3	1/1
RT Regionally threatened									Callithrix pygmaea	Pygmy Marmoset	4	1	4	2		1	2/2/2
(species held in a breeding	programme)								Saguinus oedipus (EN)	Cotton-headed Tamarin	4	0.00		-	2	100	3/1
(observe mere in a creening	I. ob annua)								Saguinus imperator subgrisescens	Emperor Tamarin	2		1				1/2
IUCN threatened species cat	ogorice								Leontopithecus rosalia (CR)	Golden Lion Tamarin	10		2			1	6/3/2
		ditad by	Lonath	on Do	Ilia am	d Deine	Conne	had don	Leontopithecus chrysomelas (EN)	Golden-headed Lion Tamarin	4	1	-		-	1	3/1
	tened Animals. Compiled and ed	inted by	Jonath	an Da	ine an	d Drian	Groom	oriage.	Callimico goeldii (VU)	Goeldi's Monkey	3	-	2	1	-	-	2/4
IUCN, Gland, Switzerland									Macaca nigra (EN) Cercopithecus campbelli	Sulawesi Crested Macaque	0		3	- 4			2/5
	an a 11 H H I								Cercopithecus diana diana (VU)	Campbell's Guenon Diana Monkey	2	-				3	10
EX Extinct	CR Critically Endang	ered			V	U Vulr	ierable		Cercopithecus hamlyni	Hamlyn's Owl-faced Monkey	4				1	1	1/1
EW Extinct in the Wild	EN Endangered								Semnopithecus entellus thersites	Hanuman Langur	12		4	-	1	1	6/6/4
									Hylobates gabriellae (EN)	Buff-cheeked Gibbon	1		7	1000			0/1
									Hylobates leucogenys leucogenys (		1	-		-		-	1/0
LONDON ZOO		1	2	3	4	5	6	7	Hylobates leucogenys siki (EN)	White-cheeked (Siki) Gibbon	2						1/1
									Hylobates lar	Lar Gibbon	3	-					1/2
MAMMALS									Pan troglodytes (EN)	Chimpanzee	11	2				9	1/3
									Gorilla gorilla gorilla (EN)	Western Lowland Gorilla	3	1				1	1/2
Monotremata											70.00						112
Tachyglossus aculeatus	Australian Echidna	2				1		1/0	Xenarthra								
									Choloepus didactylus	Two-toed Sloth	2						1/1
Dasyuromorphia									Myrmecophaga tridactyla (VU)	Giant Anteater	-	1					1/0
Dasycercus byrnei (VU)	Byrne's Pouched Mouse (Kowari)	8	0.40			4	-	2/2	and many and a second and a second							15	
Dactylopsila trivirgata	Striped Possum	5				-		2/3	Rodentia								
Gymnobelideus leadbeateri (EN)	Leadbeater's Possum	2	(4)		3.4	1		0/1	Sciurus stramineus nebouxii	White-naped Squirrel	3	32 1	144	124	12	3	1/2
									Sciurus vulgaris (RT)	Red Squirrel	2				1	1	1/2
Diprotodontia									Callosciurus prevostii	Prevost's Squirrel	2	2	6	2	6	2	4/2
Macropus rufogriseus frutica	Red-necked (Bennett's) Wallaby	3	-	1	94	+	2	1/1	Tamias sibiricus	Siberian Chipmunk	1	-	-	-			0/1
Bettongia penicillata	Brush-tailed Bettong	6	193			1		3/2	Jaculus orientalis	Greater Egyptian Jerboa	4		3	2	2	1	1/1
									Hypogeomys antimena (EN)	Malagasy Giant Jumping Rat	11		2	1	8		1/3
Macroscelidea									Clethrionomys glareolus caesarius		~20		31	5	5	15	~26
Macroscelides proboscideus (VU)	Short-eared Elephant Shrew	2	7	2		3	-	3/3/2	Alticola semicanus	High Mountain Vole	4	-	2	2	3	-	1/0
											11000		N. Park	3020	200		10000

			1	2	3	4	5	6	7			1	2	3	4	5	6	7
	Gerbillus perpallidus	Pallid Gerbil	1	-			2	1	-		Clawed Jird (domestic gerbil)	3	4		+	4		3/0 6/0
1	Micromys minutus	Harvest Mouse	7		64	3	16 32	37	-15		Ferret Poey: Cream	2			-			2/0
	Deliver and the second	Striped Grass Mouse Egyptian Spiny Mouse	-22 -18		61	1	41	19	-18		Dartmoor	1	-		+			0/1
	Mus minutoides	Pygmy Mouse	6		-		4	-	1/1		Welsh Shetland	i	2			-		1/1
	Assessed a second	Black Rat Spinifex Hopping Mouse	-60		244		191	28	-85 2/3		Bay	2						2/0
	- and the second	Common Dormouse	6	11	10		8		8/11		Donkey Llama*	1	1		2		2	2/0
-	Coendou prehenzilis	Prehensile-tailed Tree Porcupine	2		3		*	2 8			Bactrian Camel*	2	1(1)				1(1)	0/2
	Approximation and the second	Cape Crested Porcupine African Brush-tailed Porcupine	5		3	-	-	3	1/1		Reindeer Pig: Large Black	2	111	16	1		1(1)	3/6
1	Datyprocta punctata	South American Agouti	7		6	4		2	1/3/3		Pig: Large Black Tarnworth	2	2	14	1	-	17	
	And the second s	Green Acouchi Chinchilla	2		2	1		3	3/2/1		Cattle: Red Poll	3	-	1		-	2	1/1
	CHARLESTON HAVE BELL	Degu	-	6	9		4		5/6		Sheep: Leicester Longwool Norfolk Horned	2	2	1	-	1	2	0/2
	C										Gost: Anglo-Nubian	-	2	4	4			0/2
	Carnivora Canis lupus	Orey Wolf	2				2		*55		Pygmy Bagot	-	2					0/2
		Fennec Fox	1	2					1/2						-		450000	-
	reserve and reserve	Zorilla Oriental Small-clawed Otter	5		2	1			2/3/1	-	Total: Mammala	926	93(3)	581	52	512	346(11	690
1	Melursus ursinus inornatus (VU)	Sloth Bear	2		2	2	1	*	2/1									
	time and and an all and an all and an all and an all and all an a	Red Panda Coatimundi	3						3/0									
		Kinkajou	1				+		0/1 5/4	PIDDE								
	Faith Leaders & Service Constitution	Meerkat Blotched Genet	1					i		BIRDS								
1	Helogale parvula	Dwarf Mongoose	5		1	1			4/1	Casuaraliformes								
		Banded Mongoose Caracal Lyox	1						0/1	Rhea americana	Greater Rhea		4					4/0
	Felis margarita harrisoni	Sand Cat	5	-	3	1	1	3	1/2	A CONTRACTOR OF THE CONTRACTOR	Emu	1	-				1(1)	-
		Asiatic Lion Sumatran Tiger	5	1				3	1/1	01.11								
		Iranian Leopard	2				1		1/0	Sphenisciformes Spheniscus demersus	Blackfooted (Jackass) Penguin	41		12	5	8	+	8/13/19
		Clouded Leopard	2	+	(0)	-	1	*	0/1									
	Proboscidea									Pelecaniformes Pelecanus crispus (VU)	Dalmatian Pelican	12	*				4	4/4
	Elephas maximus (EN)	Asian Elephant	3	+					0/3	Pelecanus onocrotalus	Eastern White Pelican	10	3		-	3		2/7/1
	Perissodactyla									Phalacrocorax lucidus	White-breasted Cormorant	-	4	134		2	14.	0/0/2
	Tapirus indicus (EN)	Malayan Tapir	2				1		1/0	Ciconliformes		150				13		9208
	Diceros bicornis michaeli (CR) Rhinoceros unicornis (EN)	Black Rhinoceros Greater One-horned Rhinoceros	2	-	1			2(2)	1/1		Night Heron Chinese Pond Heron	2	-		*	1		5/3
	Commercial and Conference (Conference Conference Confer	THE PERSON NAMED AND PARTY.	(170)			9311		1777		127 MATERIAL CHARLESTON	Chinese Pond Heron Cattle Egret	9	22	-		4	+	0/0/31
	Artiodactyla	Colland Decree	1211	6				20	6/0	Egretta gartetta	Little Egret	9		5	1	*	+	3/4/6 5/5/3
	Tayassu tajacu Hexaprotodon liberiensis (VU)	Collared Peccary Pygmy Hippopotamus	2	1				-	1/2	Ciconia abdimii Ciconia episcopus episcopus	Abdim's Stork Asian Woolly-necked Stork	2			-		2	1/1
	Pudu puda* (VU)	Pudu	2					*	0/2 1/0	Threskiornis aethiopicus	Sacred Ibis	37		13	2	6	-	0/0/42
	Muntiacus reevesi Okapia johnstoni	Reeves's Muntjac Okapi	2	1			4		2/0		Waldrapp Ibis Black-faced Ibis	4	-			î		2/3/1
	Giraffa camelopardalis*	Giraffe	5				1	2	0/2	Eudocimus ruber	Scarlet Ibis	8	4(4)			4		2/3/3
	Tragelaphus strepsiceros* Bubalus depressicornis* (EN)	Greater Kudu Lowland Anna	3		i		2	7(7)	1/2	Plegadis ridgwayi Phoenicopterus chilensis	Puna Ibis Chilean Flamingo	39		-		4 2		16/21
	Oryx leucoryx* (EN)	Arabian Oryx	10		4	+	5		1/8	Protestioperas criterios	Citizen Cremings	-		-		- 5		1000
	Domestic									Anseriformes	Black Swan						100	0/2/2
	Domestic	Rabbit	7	1	4		1	6	2/3	Cygnus atratus Cygnus buccinator	Trumpeter Swan	-	i		-			0/0/1
		Guinea Pig Golden Hamster	8	4			-1	1	1/9	Anser cygnoides (VU)	Swan Goose	1						1/0
		House Mouse (domestic)	10			-	7	2	1/0	Anser erythropus (VU) Anser indicus	Lesser White-fronted Goose Bar-headed Goose	4	-			-		3/1
		Brown Rat (domestic)	9	6	+ =	-	10		5/0									
																		20
			_									_	_	_	_	_	_	20
-			1	2	3	4	5	6	,		-	1		,			6	7
			1	2	3	4	5	6	7	Durale neresicillate S	Speciacled Imperial Pigeon	1 1	2	3	•		6	7
	Branta sandvicensis (VU)	None (Hawaiian Goose)	1 5 2	2	3	•	5	6	7 0/1/1 1/1	Ducula perspicillata S Ducula pinon	Spectacled Imperial Pigeon Pinon Imperial Pigeon	1 1 2	2	3	• :	•	6	7 1/0 1/1
	Cyanochen cyanopterus	Nene (Hawaiian Goose) Blue-winged Goose Ruddy Shelduck	1 5 2 7	2	3	4	5	6	1/1 2/2/3	Ducula pinon Ducula zoeae	Pinon Imperial Pigeon Zoe Imperial Pigeon	1 1 2 2 4	2	3			6	7
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys	Blue-winged Goose Ruddy Sheldock Ringed Teal	1 5 2 7 9	2	3	•	5 3	6	1/1	Ducula pinon	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove	1 1 2 2 4 2	2	3	•		6	7 1/0 1/1 1/1 4/0 2/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilairix	Blue-winged Goose Ruddy Shelduck	1 5 2 7 9 6 4	2	3	4	5 3	6	1/1 2/2/3 3/5 2/3/3 1/1	Ducula pinon Ducula 20eae Pillinopus cinctus albocinctus Pillinopus magnificus Pillinopus melanospila	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove	1 1 2 2 4 2 3 3	2	3 4	4		6	7 1/0 1/1 1/1 4/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica	Blue-winged Goose Ruddy Sheldock Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail	1 5 2 7 9 6 4 4	2	3		5 3	6	1/1 2/2/3 3/5 2/3/3	Ducula pinon Ducula 20eae Pillinopus cinctus albocinctus Pillinopus magnificus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove	1 1 2 2 4 2 3 3 3 2	:	3	4		6	7 1/0 1/1 1/1 4/0 2/0 2/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU)	Blue-winged Goose Ruddy Sheldock Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal	1 5 2 7 9 6 4 4 3 2	2	3	4	5 3	•	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3	Ducula pinon Ducula 20eae Pillinopus cincius albocincius Pillinopus magnificus Pillinopus melanospila Pillinopus superbus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove	1 1 2 2 4 2 3 3 3 2	2	3	4		6	7 1/0 1/1 1/1 4/0 2/0 3/1 2/2
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck	1 5 2 7 9 6 4 4 3 2 3	2	3	4	5 3	6	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2	Ducula pinon Ducula zoeae Ptilinopus cinctus albocinctus Ptilinopus magnificus Ptilinopus melanospila Ptilinopus superbus Zenaida gruysoni (EW)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove	1 1 2 2 4 2 3 3 2 2		3	4	5	6	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairtx Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Ferruginous (White-eyed) Duck	1 5 2 7 9 6 4 4 3 2 3 2 2	2	3	4	5 3	6	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3	Ducula pinon Ducula zoeae Philinopus cinctus albocinctus Philinopus magnificus Philinopus melanospila Philinopus superbus Zenaida graysoni (EW)  Psittaciformes Charmosyna josefinae	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove Josephine's Lorikeet	1 1 2 2 4 2 3 3 3 2		3	4	\$		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairtx Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya baeri (VU) Bucephala albeola S	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead	1 5 2 7 9 6 4 4 3 2 3 2 2	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1	Ducula pinon Ducula zoeae Philinopus cinctus albocinctus Philinopus magnificus Philinopus melanospila Philinopus superbus Zenaida graysoni (EW)  Psittaciformes Charmosyna josefinae Charmosyna placentis	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socomo Dove	1 1 2 2 4 2 3 3 2 1 2 1	2	3	4		6	7 1/0 1/1 1/1 4/0 2/0 3/1 2/2 1/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairix Anas layanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Geganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Smew	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4	2	3	4	5 3	6	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2	Ducula pinon Ducula 20eae Pitlinopus cinctus albocinctus Pitlinopus magnificus Pitlinopus melanospila Pitlinopus melanospila Pitlinopus melanospila Pitlinopus melanospila Pitlinopus melanospila Pitlinopus melanospila Zenaida graysoni (EW)  Psittaciformes Charmosyna josefinae Charmosyna piacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socomo Dove Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet	1 1 2 2 4 2 3 3 3 2	2	3	4	5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairtx Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya baeri (VU) Bucephala albeola S	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichead Senese Hooded Merganser	1 5 2 7 9 6 4 4 3 2 3 2 2 2 - 4 4 -	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1	Ducula pinon Ducula zoeae Pilinopus cinctus albocinctus Pilinopus magnificus Pilinopus melanospila Pilinopus superbus Zenaida graysoni (EW)  Psittaciformes Charmosyna josefinae Charmosyna placentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi Eos cyanogenia (VU)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 1 4 5 1	2	3	4	5		7 1/0 1/1 1/1 4/0 2/0 3/1 2/2 1/0
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya nyroca (VU) Aydiya baeri (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichead Senese Hooded Merganser	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 -	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2	Ducula pinon Ducula zoeae Pillinopus cinctus albocinctus Pillinopus magnificus Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Zenaida grupsoni (EW)  Psittaciformes Charmosyna posefinae Charmosyna pilacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothuchila Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory	1 1 2 2 4 2 3 3 2 2 1 2 1 4 5 1 -	2	3	4	5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 - 1/0 2/1 4/1 -
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formana (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya myroca (VU) Aythya myroca (VU) Bucephala albeola S Mergellus albellus Merous cucullatus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1	Ducula pinon Ducula zoeae Ptilinopus cinctus albocinctus Ptilinopus magnificus Ptilinopus melanospila Ptilinopus superbus Zenaida graysoni (EW)  Psittaciformes Charmosyna posefinae Charmosyna piacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalitatus Vini australis S	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-crowned Lory	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 7	2	3	4	5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 4/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilairix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya syroca (VU) Aythya baeri (VU) Bucephala albeola S Mergellus albeola S Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milvus migrans	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Geograpy Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 3/2 1/2 0/0/1	Ducula pinon Ducula zoeae Ptilinopus cinctus albocinctus Ptilinopus magnificus Ptilinopus melanospila Ptilinopus superbus Zenaida graysoni (EW)  Psittaciformes Charmosyna josefinae Charmosyna piacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorhynchus banksii Cacatua alba (VU)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 7 2	2	3		5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 - 1/0 2/1 4/1 - 0/1 2/3 -
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya syroca (VU) Aythya bueri (VU) Bucephala albeola S Mergellus albeola S Mergellus albeolas Thalassornis leuconotus leuconot Falconiformes Catharies aura	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichedd Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite Bateleur Eagle	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1 2	2	3	4	5 3	*****	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/1 1/0 1/1	Ducula pinon Ducula zoeae Pilinopus einctus albocinctus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna polehella polehella Charmosyna pulehella rothschildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua alba (VU) Cacatua goffini	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 - - - - - - - - - - - - - - - - - -	2	3	4	5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 4/1 -
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans Milvus migrans Terathopius ecandatus Polyboroides tyyus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichead Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1 2 2 1	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 3/2 1/2 0/0/1	Ducula pinon Ducula zoeae Pillinopus cinctus albocinctus Pillinopus magnificus Pillinopus melanospila Charmosyna piacentis placentis Charmosyna piacentis placentis Charmosyna piacentis placentis Charmosyna piacentis piacentis Charmosyna piacentis piacentis Eos cyanogenia (VU) Eos reticulata Lorinus garrielus flavipalliatus Vini australis S Calyptorlynichus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Susheli Cape Parrot	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 7 2 3 6 3	2	3		5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 4/1 - - 0/1 2/3 - - 3/3/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas layanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Catharies aura Milvus migrans Milvus migrans Teruthopius ecaudatus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichedd Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite Bateleur Eagle	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1 2 2 1 1	2	*	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4	Ducula pinon Ducula zoeae Pillinopus cinctus albocinctus Pillinopus magnificus Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Pillinopus melanospila Zenaida grupsoni (EW)  Psittaciformes Charmosyna piacentis placentis Charmosyna piacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella pulchella Eos cyanogenia (VU) Eos reticulata Lorinus garrielus flavipalliatus Vini australis S Calyptorilynchus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Suabeli Cape Parrot Black-winged Lovebird	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 - - - - - - - - - - - - - - - - - -	2	3		5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formona (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya myroca (VU) Aythya myroca (VU) Bucephala albeola S Mergellus albeola S Mergellus albeola S Mergellus albeola S Mergellus albeola S Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milous migrans Milous migrans Terathopius ecaudatus Polyboroides typus Parabutoo unicinctus Buteo buteo	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Barkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflichead Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite Black Kite Batelour Eagle African Harrier Hawk Harris's Hawk	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1 2 2 1 1	2	*	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4	Ducula pinon Ducula zoeae Pitlinopus einctus albocinctus Pitlinopus magnificus Pitlinopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna pulchella pulchella Charmosyna pulchella rothschildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua aiba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis rigrigenis (EN) Amazona brasiliensis (EN)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Suaheli Cape Parrot Black-winged Lovebird Black-oheeked Lovebird Red-tailed Amazon	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 - - - - - - - - - - - - - - - - - -	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya syroca (VU) Aythya baeri (VU) Bucephala albeola S Mergellus albeola S Mergellus albeola S Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Catharies aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Iluteo buteo Galliformes	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Geograey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck Turkey Vulture Black Kite Black Kite Batelour Eagle African Harrier Hawk Harris's Hawk Buzzaed	1 5 2 7 9 6 4 4 3 2 3 2 2 2 2 4 4 4 - - - - - - - - - - - - -	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 -	Ducula pinon Ducula zoeae Pitlinopus magnificus Pitlinopus magnificus Pitlinopus melanospila Charmosyna posefinae Charmosyna piscentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calpytorhynchus banksii Cacatua alba (VU) Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis nigrigenis (EN) Anodorhynchus hyacinthimus (VU) Anodorhynchus hyacinthimus (VU)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-cheeked Lovebird Red-tailed Arnazon Hyacinth Macaw	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 - - - - - - - - - - - - - - - - - -	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 - 1/0 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Catharies aura Milvus migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzaed  Crested Wood Partridge Red Junglefowl	5	2		4	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/1 1/4 1/1 -	Ducula pinon Ducula zoeae Pitlinopus einctus albocinctus Pitlinopus magnificus Pitlinopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna pulchella pulchella Charmosyna pulchella rothschildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua aiba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis rigrigenis (EN) Amazona brasiliensis (EN)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flacked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-orowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-theeked Lovebird Black-cheeked Lovebird Black-dealed Amazon Hyseinth Macaw Buffon's Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw	1 1 2 2 4 2 3 3 2 1 2 1 4 5 1 - - - - - - - - - - - - - - - - - -	2			5	5 	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 -
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Barkal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichedd Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback	1 5 2 7 9 6 4 4 3 2 3 2 2 - 4 4 - 6 2 1 2 2 1 1 1 5 5 4 4	2	3	4	5 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - -	Ducula pinon Ducula zoeae Pilinopus einctus albocinctus Pilinopus magnificus Pilinopus melanospila Pilinopus melanospila Pilinopus melanospila Pilinopus melanospila Pilinopus melanospila Pilinopus melanospila Pilinopus miperbus Zenaida gruponi (EW)  Psittaciformes Charmosyna piocentis placentis Charmosyna piocentis placentis Charmosyna pilchella pulchella Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis flavipallientis (EN) Amazona brasilientis (EN) Anodorlymchus hyacinthinus (VU Ara ambigua Ara chloroptera	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-crested Cockatoo White-crested Cockatoo Sulmon-crested Lovebird Black-winged Lovebird Black-theeked Lovebird Black-theeked Lovebird Red-tailed Macaw Bluffon's Macaw Blue-&-yellow Macaw Green-winged Macaw	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 7 2 3 6 6 3 - 22 3 - 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 4/1 - - 0/1 2/3 - - 3/3/1 - - 4/3/1 0/0/22 1/1 4/6/1 0/2
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya myroca (VU) Bucephala albeola S Mergellus albellus Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser as SAfrican White-backed Duck Turkey Vulture Black Kite Blatek Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheavant Common Peafowl	5		-	-	3 3 . 2 2 2		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - - - - - - - - - - - - - - - - - -	Ducula pinon Ducula zoeae Pitlinopus einetus albocinetus Pitlinopus magnificus Pitlinopus melanospila Charmosyna josefinae Charmosyna pitchella pitchella Charmosyna pitchella pitchella Charmosyna pitchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis taranta Agapornis (EN) Anadorhynchus kyacinthimus (VU Ara ambigva Ara aranuna Ara chloroptera Ara glaucogularis (EN) Ara rubrogenus (EN) S	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Hack-winged Lovebird Black-theeked Lovebird Red-tailed Amazon Hyacinth Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-&-winged Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 7 2 2 3 6 3 - 22	2			5	5 	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 3/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formana (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya myroca (VU) Aythya myroca (VU) Bucephala albeola S Mergellus albeola S Mergellus albeola S Mergellus albeola S Mergellus albeola S Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milous migrans Milous migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura edwardsi (CR) Pano cristatus Payo muticus (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Barkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Menganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Blatelour Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant	5 4 4		-	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 1/1 1/0 1/1 1/1 - - - - - - - - - - - - - - - -	Ducula pinon Ducula zoeae Pitlinopus cinctus albocinctus Pitlinopus magnificus Pitlinopus melanospila Charmosyna josefinae Charmosyna piacentis placentis Charmosyna pulchella pulchella Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis tarantis Agapornis tarantis Agapornis tarantis (EN) Anadorlymchus hyacinthimus (VU Ara ambigua Ara araranna Ara chioroptera Ara glaucogularis (EN) Ara rubrogenyi (EN) S Rhynchopsitta pachyrhyncha (EN)	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-cheeked Lovebird Red-tailed Arnazon J Hyacinth Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Thick-billed Parrot Thick-billed Parrot	3 . 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 - 1/0 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 -
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya myroca (VU) Bucephala albeola S Mergellus albellus Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Ferruginous (White-eyed) Dusk Baer's Pochard Bufflehead Senew Hooded Merganser as SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrish Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Phenant Common Peafowl Green Peafowl	5 4 4		4 4	2	3 3 . 2 2 2		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - - - - - - - - - - - - - - - - - -	Ducula pinon Ducula zoeae Pitlinopus einetus albocinetus Pitlinopus magnificus Pitlinopus melanospila Charmosyna josefinae Charmosyna pitchella pitchella Charmosyna pitchella pitchella Charmosyna pitchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis taranta Agapornis (EN) Anadorhynchus kyacinthimus (VU Ara ambigva Ara aranuna Ara chloroptera Ara glaucogularis (EN) Ara rubrogenus (EN) S	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Hack-winged Lovebird Black-theeked Lovebird Red-tailed Amazon Hyacinth Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-&-winged Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw	1 1 2 2 4 2 3 3 3 2 1 2 1 4 5 1 7 2 3 6 3 - 22 3 5	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropano congensis (VU) Polyplectron emphanum (EN)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Ferruginous (White-eyed) Dusk Baer's Pochard Bufflehead Senew Hooded Merganser as SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Oreen Peafowl Congo Peafowl Congo Peafowl	5 4 4 7 - 1		4 4	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/0 1/1 1/1 1/1	Ducula pinon Ducula zoeae Pitlinopus cinctus albocinctus Pitlinopus magnificus Pitlinopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna pulchella pulchella Charmosyna pulchella rothschildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis noticinata Agapornis taranta Agapornis taranta Agapornis taranta	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-crowned Lory Blue-crowned Lory Salmon-crested Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Lovebird Black-winged Lovebird Black-cheeked Lovebird Red-tailed Arnazon Jyellow Macaw Buffon's Macaw Blue-de-yellow Macaw Green-winged Macaw Blue-throated Macaw Blue-throated Macaw Thick-billed Parrot Blue-throated Conure	3 . 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 9/2 - 1/1 - 1/1/4
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya syroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Catharies aura Milvus migrans migrans Terathopius ecaudatus Polyboroides typus Parabutto unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropano congentis (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Barkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Black Kite Batelour Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Oreen Peafowl Oreen Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans	5 4 4 7 - 1 4		4 4	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1	Ducula pinon Ducula zoeae Pilinopus cinctus albocinctus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna pilocentis placentis Charmosyna pulchella rothichila Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Anazona brasiliensis (EN) Anazona brasiliensis (EN) Anachorpitera Ara glaucogularis (EN) S Rhynchopsitta packyrhyncha (EN Pyrrhura cruentata (VU) Mysopsitta monachus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chartering Lory Blue-streaked Lory Yellow-backed Chartering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Hole-twinged Lovebird Black-winged Lovebird Black-deeleed Lovebird Red-tailed Arnazon John Macaw Blue-deeleed Macaw Blue-deeleed Macaw Blue-throated Macaw Thisk-billed Parrot Blue-throated Conare Monk Parakeet	3 . 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya myroca (VU) Bucephala albeola S Mergellus albellus Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Orus japonensis (VU) Grus paradisea (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser as SAfrican White-backed Duck Turkey Vulture Black Kite Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzaed  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane	5 4 4 7 - 1 4		4 4	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/0 1/1 1/1 1/1	Ducula pinon Ducula zoeae Pitlinopus magnificus Pitlinopus magnificus Pitlinopus melanospila Charmosyna josefinae Charmosyna pitchella pitchella Charmosyna pitchella pitchella Charmosyna pitchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis nigrigenis (EN) Anadoriymchus hyacinthimus (VU Ara ambigua Ara ararauna Ara chioroptera Ara glaucogularis (EN) Ara rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myropsitta monachus Derophyus accipitrinus  Cuculiformes	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lonkeet Red-flanked Lonkeet Fairy Lonkeet Fairy Lonkeet Fairy Lonkeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Sumen-crested Cockatoo Sumen-crested Cockatoo Sumen-crested Cockatoo Sumen-crested Lovebird Black-winged Lovebird Black-winged Lovebird Red-tailed Arnacon J) Hyacinth Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Red-fronted Macaw Blue-throated Conure Mook Parakeet Hawk-headed Parrot	3 . 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1/4 0/0/4 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydya nyroca (VU) Bucephala albeola S Mergellus albellus Mergeltus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus iltuteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropano congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Barkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Black Kite Batelour Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Oreen Peafowl Oreen Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans	5 4 4 7 - 1 4		4 4	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - - - - - - - - - - - - - - - - - -	Ducula pinon Ducula zoeae Pitlinopus magnificus Pitlinopus magnificus Pitlinopus melanospila Charmonyna josefinae Charmonyna pitchella pitchella Charmonyna pitchella pitchella Charmonyna pitchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis nigrigenis (EN) Anacona branthensis (EN) Anacona branthensis (EN) Anacona branthensis (EN) Ana ararauna Ara chicroptera Ara glaucogularis (EN) Ara rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myropsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-orested Cockatoo Suabeli Cape Parrot Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon Hyacinth Macaw Buffon's Macaw Blue-&-yellow Macaw Blue-devended Macaw Red-fronted Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Conure Mork Parakeet Hawk-headed Parrot  Violet Plantain-eater	3 . 2	2			5	5	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya baeri (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Milvus migrans Terathopius ecandatus Polyboroides typus Parabutto unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Crus paradisea (VU) Lisusocoras finvirostra Gallinula nesiotis comeri (VU) Rallus striatus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail	5 4 4 7 - 1 4		4 4	2	3 3 . 2 2 2		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1	Ducula pinon Ducula zoeae Pitlinopus magnificus Pitlinopus magnificus Pitlinopus melanospila Charmosyna josefinae Charmosyna pitchella pitchella Charmosyna pitchella pitchella Charmosyna pitchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis nigrigenis (EN) Anadoriymchus hyacinthimus (VU Ara ambigua Ara ararauna Ara chioroptera Ara glaucogularis (EN) Ara rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myropsitta monachus Derophyus accipitrinus  Cuculiformes	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flacked Lorikeet Red-flacked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Sulmon-crested	3 . 2	2			5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4 1/1 1/1 1/1 1/1 1/1 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabutto unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Limnocoraz flavirostra Gallinula nesiotis comeri (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Ferraginous (White-eyed) Dusk Baer's Pochard Bufflehead Senew Hooded Merganser as Safrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrish Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edwards Pheasant Common Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen	5 4 4 7 - 1 4		4 4	2	3 3		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna pilochella polochella Charmosyna pulochella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Anazona brasiliensis (EN) Anazona brasiliensis (EN) Anazona brasiliensis (EN) Ana ararauna Ara chloroptera Ara glanoogularis (EN) S Rhynchopsitta packyrhyncha (EN Pyrrhura cruentata (VU) Mysopsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingstonii	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chararing Lory Blue-streaked Lory Yellow-backed Chararing Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Lovebird Black-winged Lovebird Black-winged Lovebird Black-winged Lovebird Red-tailed Arnazon John Macaw Buffon's Macaw Blue-droated Macaw Blue-droated Macaw Blue-droated Macaw Blue-throated Macaw Blue-throated Conure Monk Parakeet Hank-beaded Parrot  Violet Plantain-eater Livingstone's Turaco	3 . 2	2			5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4 1/1 1/1 1/1 - 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Iluteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Limnocoraz flavirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus Charadrifformes	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senese Hooded Merganser are SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Black Kite Batelour Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail	5 4 4 7 - 1 4		4 4	2	3 3 . 2 2 2		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 -	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna pilochella polochella Charmosyna pulochella polochella Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis turanta Agapornis nigrigenis (EN) Amazona brasiliensis (EN) Anacona brasiliensis (EN) Anacona brasiliensis (EN) Ara ambigua Ara araruna Ara chloroptera Ara glaucogularis (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myiopsitta monachus Derophus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingstonii Tauraco erythrolophus	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flacked Lorikeet Red-flacked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Sulmon-crested	3 . 2	2			5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 2/2 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1/4 0/0/4 1/1 1/1 1/1 1/1 1/1 1/1 0/0/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya myroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropano congensis (VU) Polyplectron emphanum (EN)  Gruiformes Orus japonensis (VU) Crus paradisea (VU) Limnocorax fiavirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriiformes Burhnus oedicnemus	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Batkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Menganser as SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Blatelour Eagle African Harrier Hawk Harris's Hawk Buzzaed  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Green Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail	5 4 4 7 - 1 4		4 4	2	3 3 . 2 2 2		1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1	Ducula zoeae Philnopus cinctus albocinctus Philnopus magnificus Philnopus melanospila Charmosyna josefinae Charmosyna pilochella pilochella Charmosyna pilochella pilochella Charmosyna pilochella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calpytorhynchus banksii Cacatua alba (VU) Cacatua goffini Cacatua molaccensis (VU) Poicephalus robustus suahelicus Agapornis tarantis Agapornis tarantis Agapornis tarantis Agapornis migrigenis (EN) Anadorhynchus hyacinthimus (VU Ara ambigua Ara araranna Ara chloroptera Ara glaucogularis (EN) Ana rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Mysoputta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco leucotis  Strigiformes Tyto alba	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo Goffin's Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Cockatoo Sulmon-crested Lovebird Black-winged Lovebird Black-winged Lovebird Red-tailed Arnacon J) Hyacinth Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Green-winged Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Conure Mook Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco White-checked Turaco White-checked Turaco Barn Owl	3 . 2	2			5		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4 1/1 1/1 1/1 1/1 1/1 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Terathopius ecandatus Polyboroides typus Parabuteo unicincius Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardit (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grui farmes Grus paradisea (VU) Linnocorax flavirostra Gallinula nestotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Fernaginous (White-eyed) Dusk Baer's Pochard Bufflehead Senew Hooded Merganser Lay African White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crant Stanley Crane Black Crake Gough Island Moothen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing	5 4 4 7 - 1 4 e 2 2 1 4 1 - -	2 2 1	2	2 4	3 3 . 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/1 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/1 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/2 1/2 2/2 2/2 2/2 2/2 2/2 2	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Charmosyna piacentis Charmosyna piacentis placentis Charmosyna piacentis placentis Charmosyna piacentis piacentis Charmosyna piacentis piacentis Eos cyanogenia (VU) Eos reticulata Lorinus garrielus flavipalliatus Pini australis S Calyptorlynichus banksii Cacatua goffini Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suakelicus Agapornis taranta Agapornis (EN) Amazona brasilientis (EN) Anadorlynichus hyacinthimus (VU Ara ambigua Ara araranna Ara chloroptera Ara glaucogularis (EN) Ara rubrogenja (EN) S Rhynchopsitta pachyrhynicha (EN Pyrrhura cruentata (VU) Myiopsitta monachus Deroptyus accipitrinus  Cuculiformes Masophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis  Strigiformes	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon Hyacinth Macaw Buffon's Macaw Blue-droited Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Conure Mork Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco Red-crested Turaco White-checked Turaco	3 2 - 3 5 - 2 2 2 2 2 1	2				3 . 3 . 9	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya hyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicincius Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardit (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Linnocoras flavirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles Larus cirrocephalus poiocephal	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Batkal Teal Gacganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Groen Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Statley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Grey-headed Gull	5 4 4 7 - 1 4 e 2 2 1 4 1 -	2 2 1	2	2 4	3 3 2 2 2	2 2 9 2	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna pilochella polochella Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Amazona brasiliensis (EN) Amazona brasiliensis (EN) Anadorhynchus kyaciinthimus (VU Ara ambigua Ara araruna Ara chloroptera Ara glancogularis (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Mysopsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo bubo	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Sulmon-crested Cockatoo Sulmon-c	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1			3	3	7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/4 0/0/4 1/1 1/1 1/1 0/0/1 1/1 1/1 0/0/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Terathopius ecandatus Polyboroides typus Parabuteo unicincius Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardit (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grui farmes Grus paradisea (VU) Linnocorax flavirostra Gallinula nestotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gacganey Marbled Duck Fernaginous (White-eyed) Dusk Baer's Pochard Bufflehead Senew Hooded Merganser Lay African White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crant Stanley Crane Black Crake Gough Island Moothen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing	5 4 4 7 - 1 4 e 2 2 1 4 1 1 - 5 16	2 2 1	2	2 4	3 3 . 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/2 0/0/10	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Pilinopus pilonoma Charmosyna posefinae Charmosyna pilonella polohella Charmosyna pilohella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Amazona brasiliensis (EN) Anadorhynchus kyacinthinus (VU Ana ambigus Ara ararauna Ara chloroptera Ana glaucogularis (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myroputta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingstonii Tauraco erythrolophus Tauraco leucotis Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo Pulsatrix perspicillata	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chartering Lory Blue-streaked Lory Yellow-backed Chartering Lory Blue-crowned Lory Red-tailed Black Cockatoo Goffin's Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Salmon-crested Cockatoo Subeli Cape Parrot Black-winged Lovebird Red-tailed Arnazon Physinth Macaw Buffon's Macaw Blue-droated Macaw Blue-droated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Conure Monk Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco White-checked Turaco White-checked Turaco Barn Owl Oriental Bay Owl White-faced Scops Owl	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1					7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 2/2 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 3/3/1 - 1/1/4 0/0/4 1/1 1/1 1/1 6/5 1/0 3/1 1/1/1 6/5 1/0 3/1 1/1/1 6/5 1/0 3/1 1/1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formasa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans Milvus migrans Terathopius econdatus Polyboroides typus Parabuteo unicinctus Iluteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropano congensis (VU) Crus paradisea (VU) Limnocorar flavirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus  Charadrifformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles Larus cierocephalus poiocephal	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Green Peafowl Grouph Island Moothen Stanley Crane Black Crake Gough Island Moothen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Gull Inca Tern	5 4 4 7 - 1 4 e 2 2 1 4 1 1 - 5 16	2 2 1	2	2 4	3 3 . 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/2 0/0/10	Ducula zoeae Philoopus cinctus albocinctus Philoopus magnificus Philoopus melanospila Charmosyna posefinae Charmosyna piacentis placentis Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Caleptorlynichus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis tarantis Agapornis tarantis Agapornis tarantis Agapornis nigrigenis (EN) Anasona brasiliensis (EN) Anodorlynichus hyacinthinus (VU Ara ambigua Ara araranna Ara chloroptera Ara glaucogularis (EN) Ana rubrogenys (EN) S Rhynchopsitta pachyrhynicha (EN Pyrrhura cruentata (VU) Myroputta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco eleucotis  Strigiformes Tyto alba Phodilas badius Otus leucotis Bubo bubo Pulsativs perspicillata Speciyto canicularia Strix hyiophila	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon Hyacinth Macaw Buffon's Macaw Blue-&-yellow Macaw Green-winged Macaw Blue-droated Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Conure Moek Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 2/2 1/0 1/0 2/1 4/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas sibilatrix Anas laysanensis (VU) Anas georgica georgica Anas formana (VU) Anas querquedula Marmaronetta angustirostris (VU Aydiya myroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milvus migrans migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardii (CR) Pavo cristatus Pavo muticus (VU) Afropano congensis (VU) Polyplectron emphanum (EN)  Gruiformes Orus japonensis (VU) Grus paradisea (VU) Limnocorat flavirostra Gallinula nestotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriiformes Burhnus oedicnemus Recurvirostra avostelia Vanellus miles miles Larus cirrocephalus poiocephal Larosterna inca  Columbiformes Columba guinea	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Gery-headed Gull Inos Tern  Speckled Pigeon Mindanao Bleeding Heart Dove Mindanao Bleeding Heart Dove	5 4 4 7 - 1 4 4 1 1 - 5 10 2	2 2 1	2	2 4	3 3 . 2 2	9 2.4	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/1 0/0/1 3/1 0/0/1 3/1	Ducula zoeae Philoopus cinctus albocinctus Philoopus magnificus Philoopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis nigrigenis (EN) Anadoriymchus hyacinthimus (VU) Ara ambigua Ara ararauna Ara chicroptera Ara glaucogularis (EN) Ara rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myropsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis  Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo bubo Pulsatrix perspicillata Speotyto cunicularia Strix hyrophila Strix nebulosa lapponica	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-orested Cockatoo Suabeli Cape Parrot Black-winged Lovebird Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon John Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Conure Mork Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco White-checked Turaco White-checked Turaco Barn Owl Oriental Bay Owl White-faced Soops Owl Burasian Eagle Owl Burasian Eagle Owl Buraty-barred Owl Great Grey Owl Great Grey Owl	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 2/2 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 3/3/1 - 1/1/4 0/0/4 1/1 1/1 1/1 6/5 1/0 3/1 1/1/1 6/5 1/0 3/1 1/1/1 6/5 1/0 3/1 1/1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya syroca (VU) Aythya baeri (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Milvus migrans Terathopius ecandatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Lisusocoras finvirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus Charadriiformes Burkinus oedicnemus Recurvirostra avosatla Vanellus miles miles Larus cirrocephalus poiocephal Larosterna inca  Columbiformes Columba guinea Gallicolumba criniger (VU) Goura cristata (VU)	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Groen Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Gery-headed Gull Inos Tern  Speckled Pigeon Mindanao Bleeding Heart Dove Blue Crowned Pigeon	5 4 4 7 - 1 4 4 1 1 - 5 10 2	2 2 1	4 4	2 4	3 3 . 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 - 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 - 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 - 2/2 1/0 - 2/1/1 2/1 2/2 0/0/10 1/1 0/0/1 3/1 - 0/0/1 - 0	Ducula zoeae Philoopus cinctus albocinctus Philoopus magnificus Philoopus melanospila Charmosyna posefinae Charmosyna piacentis placentis Charmosyna pulchella rothichildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Caleptorlynichus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis tarantis Agapornis tarantis Agapornis tarantis Agapornis nigrigenis (EN) Anasona brasiliensis (EN) Anodorlynichus hyacinthinus (VU Ara ambigua Ara araranna Ara chloroptera Ara glaucogularis (EN) Ana rubrogenys (EN) S Rhynchopsitta pachyrhynicha (EN Pyrrhura cruentata (VU) Myroputta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco eleucotis  Strigiformes Tyto alba Phodilas badius Otus leucotis Bubo bubo Pulsativs perspicillata Speciyto canicularia Strix hyiophila	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superh Fruit Dove Superh Fruit Dove Superh Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-crested Cockatoo Goffin's Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon Hyacinth Macaw Buffon's Macaw Blue-&-yellow Macaw Green-winged Macaw Blue-droated Macaw Red-fronted Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Conure Moek Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 1/1 0/0/1 1/1 1/1 0/0/1 1/1 1/1 0/0/1 1/1 1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Cathartes aura Milvus migrans Milvus migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardis (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Linnocorux flavirostra Gallioula nesiotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriiformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles Larus cirrocephalus poiocephal Larosterna inca  Columbiformes Columbia criniger (VU) Ducula aenea aenea	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Garganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Merganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Bateleur Eagle African Harrier Hawk Harrie's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Congo Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moorhen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Gery-headed Gull Inos Tern  Speckled Pigeon Mindanao Bleeding Heart Dove Mindanao Bleeding Heart Dove	5 4 4 7 - 1 4 e 2 2 1 4 1 - 5 10 2 2 1 7	2 2 1	2	2 4	3 3 . 2 2 2 . 1 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 . 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 . 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 . 2/2 1/0 . 2/1/1 2/1 2/1 2/1 2/2 0/0/10 1/1 1/1 0/0/1 3/1 . 1/2/1 1/1/1 0/0/1 3/1 . 1/2/1 1/1/1	Ducula pinon Ducula zoeae Pillinopus magnificus Pillinopus magnificus Pillinopus melanospila Charmosyna posefinae Charmosyna pilochella polochella Charmosyna pulochella polochella Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Anazona brasiliensis (EN) Anazona brasiliensis (EN) Anazona brasiliensis (EN) Ana ambigua Ara ararauna Ara chloroptera Ara glancogularis (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Mysopsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo Pulsatris perspicillata Speotyto cunicularia Strix hylophila Strix nebalosa lapponica Strix rufipes chacoensis S	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-orested Cockatoo Suabeli Cape Parrot Black-winged Lovebird Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon John Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Conure Mork Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco White-checked Turaco White-checked Turaco Barn Owl Oriental Bay Owl White-faced Soops Owl Burasian Eagle Owl Burasian Eagle Owl Buraty-barred Owl Great Grey Owl Great Grey Owl	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 1 - 2 2 - 1 - 3 1			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 9/2 - 1/1 1/1/4 0/0/4 1/1 1/1 1/1/1 0/0/1 1/1/1 0/0/1 1/1/1 1/1/1 0/0/1 1/1 1/1/1 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconot Falconiformes Cathartes aura Milvus migrans Milvus migrans Milvus migrans Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardsi (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Grus paradisea (VU) Linnocorax flavirostra Gallinula nesiotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriiformes Burhinus oedicnemus Recurvirostra avosatia Vanellus miles miles Larus cirrocephalus poiocephal Larosterna inca  Columbiformes Columba guinea Galicolumba crisiger (VU) Goura cristata (VU) Ducula aenea aenea Ducula aenea paulina Ducula rufiganter	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Batkal Teal Gaeganey Marbled Duck Ferruginous (White-eyed) Duck Baer's Pochard Bufflehead Senew Hooded Menganser ar SAfrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Green Peafowl Group Plawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moothen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Grey-headed Gull Inos Tern  Speckled Pigeon Green Imperial Pigeon Creen Imperial Pigeon	5 4 4 7 - 1 4 e 2 2 1 4 1 - 5 10 2 2 1 7	2 2 1	4 4	24 2	3 3 . 2 2 2 . 1 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 . 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 . 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 . 2/2 1/0 . 2/1/1 2/1 2/2 0/0/10 1/1 1/1 2/2 1/0 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/1 2/1 2/2 0/0/10 1/2 2/2 0/0/10 1/2 0/0/10 1/2 0/0/10 1/2 0/0/10 1/2 0/0/10 1/2 0/0/10 1/2 0/0/10 1/2	Ducula zoeae Philoopus cinctus albocinctus Philoopus magnificus Philoopus melanospila Charmosyna posefinae Charmosyna posefinae Charmosyna pulchella pulchella Charmosyna pulchella rothuchildi Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Pini australis S Calyptorlymchus banksii Cacatua alba (VU) Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis taranta Agapornis taranta Agapornis nigrigenis (EN) Anadoriymchus hyacinthimus (VU) Ara ambigua Ara ararauna Ara chicroptera Ara glaucogularis (EN) Ara rubrogenya (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Myropsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis  Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo bubo Pulsatrix perspicillata Speotyto cunicularia Strix hyrophila Strix nebulosa lapponica	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificent Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flanked Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-streaked Lory Yellow-backed Chamering Lory Blue-crowned Lory Red-tailed Black Cockatoo White-orested Cockatoo Suabeli Cape Parrot Black-winged Lovebird Black-winged Lovebird Black-oheeked Lovebird Red-tailed Arnazon John Macaw Blue-&-yellow Macaw Blue-&-yellow Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Macaw Blue-throated Conure Mork Parakeet Hawk-headed Parrot  Violet Plantain-eater Livingstone's Turaco Red-crested Turaco White-checked Turaco White-checked Turaco Barn Owl Oriental Bay Owl White-faced Soops Owl Burasian Eagle Owl Burasian Eagle Owl Buraty-barred Owl Great Grey Owl Great Grey Owl	3 2 - 3 5 - 2 2 2 2 2 1	2 9 3 - 2 1 6 6 1 - 2 2 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 1/0 2/1 4/1 - 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 9/2 - 1/1 1/1/4 0/0/4 1/1 1/1 1/1/1 0/0/1 1/1/1 0/0/1 1/1/1 1/1/1 0/0/1 1/1 1/1/1 1/1
	Cyanochen cyanopterus Tadorna ferruginea Callonetta leucophrys Anas shilatrix Anas laysanensis (VU) Anas georgica georgica Anas formosa (VU) Anas querquedula Marmaronetta angustirostris (VU Aythya nyroca (VU) Bucephala albeola S Mergellus albellus Mergus cucullatus Thalassornis leuconotus leuconoti Falconiformes Catharies aura Milvus migrans Milvus migrans Terathopius ecaudatus Polyboroides typus Parabuteo unicinctus Buteo buteo  Galliformes Rollulus roulroul Gallus gallus Lophura diardi (VU) Lophura edwardis (CR) Pavo cristatus Pavo muticus (VU) Afropavo congensis (VU) Polyplectron emphanum (EN)  Gruiformes Grus japonensis (VU) Corus paradisea (VU) Linnocorux flavirostra Gallioula nessotis comeri (VU) Rallus striatus Rallus aquaticus  Charadriiformes Burhinus oedicnemus Recurvirostra avosetla Vanellus miles miles Larus cirrocephalus poiocephal Larosterna inca  Columbiformes Columba criniger (VU) Ducula aenea aenea Ducula aenea paulina	Blue-winged Goose Ruddy Shelduck Ringed Teal Chiloe Wigeon Laysan Teal South Georgia Pintail Baikal Teal Gaeganey Marbled Duck Fernaginous (White-eyed) Duck Baer's Pochard Bufflichead Senew Hooded Merganser ar Sjafrican White-backed Duck  Turkey Vulture Black Kite Black Kite Black Kite Bateleur Eagle African Harrier Hawk Harris's Hawk Buzzard  Crested Wood Partridge Red Junglefowl Siamene Crested Fireback Edward's Pheasant Common Peafowl Green Peafowl Green Peafowl Groen Peafowl Groen Peafowl Palawan Peacock Pheasant  Red-crowned (Manchurian) Crans Stanley Crane Black Crake Gough Island Moothen Slaty-breasted Rail Water Rail  Stone Curlew Pied Avocet Masked Lapwing Grey-headed Gull Inca Tern  Speckled Pigeon Mindanso Bleeding Heart Dove Blue Crowned Pigeon Green Imperial Pigeon Chestnat-naped Imperial Pigeon	5 4 4 7 7 -1 4 4 1 1 - 5 10 2 2 1 1 7 7 7	2 2 1	4 4	24 2	3 3 . 2 2 2 . 1 2 2	9	1/1 2/2/3 3/5 2/3/3 1/1 2/2 2/1 0/3 4/2 2/4 1/1 . 3/2 1/2 0/0/1 4/2 1/1 1/0 1/1 1/4 1/1 . 6/3 2/0 2/2 2/2 3/2 0/0/2 2/0 2/1 1/1 1/1 . 2/2 1/0 . 2/1/1 2/1 2/1 2/1 2/2 0/0/10 1/1 1/1 0/0/1 3/1 . 1/2/1 1/1/1 0/0/1 3/1 . 1/2/1 1/1/1	Ducula pinon Ducula zoeae Pilinopus magnificus Pilinopus magnificus Pilinopus melanospila Charmosyna posefinae Charmosyna pilochella polochella Charmosyna pulchella polochella Eos cyanogenia (VU) Eos reticulata Lorinus garrulus flavipalliatus Vini australis S Calyptorkynchus banksii Cacatua goffini Cacatua goffini Cacatua moluccensis (VU) Poicephalus robustus suahelicus Agapornis nigrigenis (EN) Amazona brasiliensis (EN) Amazona brasiliensis (EN) Ana ambigua Ara ararauna Ara chloroptera Ara glaucogularis (EN) S Rhynchopsitta pachyrhyncha (EN Pyrrhura cruentata (VU) Mysopsitta monachus Derophyus accipitrinus  Cuculiformes Musophaga violacea Tauraco persa livingsionii Tauraco erythrolophus Tauraco leucotis Strigiformes Tyto alba Phodilus badius Otus leucotis Bubo bubo bubo Pulsatris perspicillata Speotyto cunicularia Strix hylophila Strix nebalosa lapponica Strix rebalosa lapponica Strix replipes chacoensis S  Caprimulgiformes	Pinon Imperial Pigeon Zoe Imperial Pigeon Black-backed Fruit Dove Magnificert Fruit Dove Black-naped Fruit Dove Superb Fruit Dove Superb Fruit Dove Socorro Dove  Josephine's Lorikeet Red-flacked Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Fairy Lorikeet Black-winged Lory Blue-streaked Lory Yellow-backed Chattering Lory Blue-streaked Lory Red-tailed Black Cockatoo White-crested Cockatoo Susheli Cape Parrot Black-winged Lovebird Black-winged Lovebird Black-oheeked Lovebird Red-tailed Amazon Hyseinth Macaw Bufforls Macaw Blue-&-yellow Macaw Blue-throated Macaw Red-fronted Macaw Red-fronted Macaw Blue-throated Macaw Blue-throated Conure Mork Parakeet Hank-headed Parrot  Violet Plantain-ester Livingstone's Turaco Red-crested Turaco White-checked Turaco  White-checked Turaco White-checked Turaco  Barn Owl Oriental Bay Owl White-checked Turaco  Barnowing Owl Burrowing Owl Rusty-barred Owl Great Grey Owl Rustous-legged Owl Rustous-legged Owl	2 2 3 5 5 2 2 2 1 1 1 1 3 4 5 2 2	2 9 3 - 2 1 6 6 1 - 2 2 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7			3		7 1/0 1/1 1/1 4/0 2/0 2/1 2/2 1/0 1/0 2/1 2/2 1/0 1/0 2/1 4/1 - 0/1 2/3 - 3/3/1 - 4/3/1 0/0/22 1/1 4/6/1 0/2 - 1/1 - 1/1/1 0/0/4 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1

			,	3	4		6	7			1	2	3	4	5	6	7
Coraciiformes			*	,	•				REPTILES								
Dacelo novaeguineae	Kookabuma	3	*1		3	,	2	0/0/1									
Ceracias caudata Anthracoceros albirostris	Lilac-broasted Roller	5		,		*	- 1	1/2/1	Testudines Sternotherus odoratus	Stinkpot	4	+:-	4		1		0/0/3
CONVENIE DE L'ELLE	Southern Pied Hombill	1	+					0/1	Trachemys scripta elegans	Red-eared Terrapin	6		-	+	2		0/0/4
Anthracocerus albirostris	Northern Pied Hombill	2	211				2		Trachemys decorata (VU) S Terrapene carolina triunguis	Hispaniolan Slider Three-toed Box Tempin	1	6				1	
albirostris  Bycanistes subcylindricus	Black-&-white Casqued Hombill	1	-				4	01	Cuora amboinensis	Malayan Box Turtle	5		+	-	-	5	1/1
Buceros bicornis	Great Indian Hombill	3	1			1		0/1	Heosemys grandis Terropene coahuila (EN)	Giant Asian Pond Turtle Mexican Box Terrapin	6		-		5	-	0/0/1
Buceros rhinoceros	Rhinoceros Hombill								Melanochelys trijuga trijuga	Peninsular Black Turtle		2	-	-			0/2
Piciformes		100							Pyxis arachnoides (VU)	Madagascar Spider Tortoise	1			1			0/0/8
Palopogon pyrolophus	Fire-tuffed Barbet Bearded Barbet	2				1	-		Homopus areolatus Testudo graeca (VU)	Parrot-beaked Cape Tortoise Spur-thighed Tortoise	31				4	10	0/0/17
Lybeus dubeus Ramphastos tucanus	Red-billed Toucan	1	1		-	-		0/0/1	Testudo hermanni	Hermann's Tortoise	6	-	•	-	-		5/1 4/1
Pteroglossus aracari	Black-necked Aracari	5	*	+	*			4/1	Testudo horsfieldi (VU) Testudo kleinmanni (EN)	Central Asian Tortoise Egoptian Tortoise	14		1	6/4	2		7/5/1
Passeriformes	*								Testudo marginata	Marginated Tortoise	4			-		+	4/0
Pycnonotus jocosus	Red-whiskered Bulbul	2		*		-	2	1/1	Malacochernus tornieri (VU)	Pancake Tortoise Leopard Tortoise	2	1	2				0/1
Copsychus malabaricus	Common Shama Asian Magpie Robin	1	1	2			1	1/1/2	Geochelone pardalis Chelus fimbriatus	Matamata	1	1					0/0/1
Copsychus saularis Counyha abicapilla	White-crowned Robin Chat	3		6	5	1	-	1/1/1	Chelodina longicollis	Long-necked Terrapin	4	*			-		2/2
Costypha nivercapilla	Snowy-headed Robin Chat Northern Wheatear	3	1		1	2	1	0/0/2	Chelodina siebenrocki Emydura australis albertisii	Siebenrock's Snake-necked Turtle New Guinea Red-bellied Terrapin	3						0.073
Oenanthe oenanthe Rhyacornis faliginosus	Plumbeous Redstart	1	-		-			1/0	Pelodiscus sinensis	Chinese Soft-shelled Tempin	1	+	-		-		0.01
Garrulax galbanus S	Yellow-throsted Laughing Thrush	-	2		*		2	0/2	Concedella								
Garrulax poecilorhynchus Garrulax chinensis	Rusty Laughing Thrush Black-throated Laughing Thrush	5		4	4	2		0/2/1	Crocodylia Alligator sinesus (CR)	Chinese Alligstor	4		* 1	-	-	-	2/2
Paroaria coronata	Red-crested Cardinal	6	-	3	3	3		2/1									
Paroaria dominicana	Pope Cardinal Hooded Pitta		10	3	1	1		5/5/2	Sauria Tarentola mindiae S	Egyptian Gecko		4	40	-		-	2/2
Pitta sordida Tachyphonus surinamus S	Beige-rumped Tanager		1			1	+		Nactus serpensinsula								8.00.00
Tangara cayana	Burnished Buff Tanager		1	-		-		0/0/1	serpentinuala (VU)	Serpent Island Gooko	2	*					1/0/1
Tangara arthus Tangara fastuosa (EN)	Golden Tanager Superb (Seven-coloured) Tanager	4	-		-	+	+	0/0/4	Nactus serpensinsula durrelli (VU)	Round Island Gecko	1	2		-	1		
Tangara icterocephala	Silver-throated Tanager	3		19	-	2	10	1/0	Stenodactylus sthenodactylus	Elegant Gecko	4	-	1		2		0/2/1
Chloebia gouldiae (EN) Erythrura psittacea	Gouldian Finch Red-throated Parrot Finch	13	6	18	1		+	3/3	Paroedura pictus Gekko gecko	Malagasy Night Gecko Tokay Gecko	2				1		1/0
Estrilda troglodytes	Black-rumped Weshill	14				10	*	0/0/4	Honopholis wahlbergi	Wahlberg's Velvet Gecko	1		7			3	1/0
Vidua sp. Vidua macroura	Combassou Pin-tailed Whydah	2		*	-	*		2/0	Phelsuma cepediana Phelsuma ornata ornata	Mauritrus Day Gecko Omate Day Gecko	5	-	1	1	4		0/0/1
Quelea quelea	Red-besked Weaver (Queles)	16		+	-	2		0/0/14	Pheliuma guimbeaut rosagularis	Maccabé Day Gecko	2		-	-	1		1/0
Foudia flavicana (VU)	Rodriguez Fody	1						0/1	Phelsuma standingi (VU)	Standing's Day Gecko	5	*			1	3233	2/2 1/2
Lamprotornis iris Leucopsar rothschildi (CR)	Emerald Glossy Starling Rothschild's Mynah	14	1	1		4	2	3/4/3	Eublepharis macularius Anolis carolinensis	Leopard Ground Geoko Green Anole	6			4	6		-
Ampeliceps coronatus	Golden-crested Mynah	1	-	+		-		1/0	Banliscus plumifrons	Plumed Basilisk	2			*		2	
Basilornis celebensis Pyrrhocorax pyrrhocorax (RT)	Sulawesi Mynah Red-billed Chough	4	-	2	2	1		1/2	Iguana iguana Cyclura cornuta cornuta (VU)	Common Iguana Rhinoceros Iguana	1			-33		2	3/1/2
Urociusa erythrorhymeus	Red-hilled Blue Magpie	1		0	-	-	1	100	Oplurus cuvieri	Madagascar Spiny Lizard	3		-	-	2	1	1/0
									Pogona vitticeps Hydrosaurus pustulatus	Inland Bearded Dragon Philippine Sail-finned Water Deago	6 vs 1				2	1	1/1/2
Domestic	Duck	2	4			2	1	2/1	Uromastyx hardwickt	Indian Spiny-tailed Lizard	2		+:		1		0/1
								6/12	Chamaeleo calyptratus	Yemen Chameleon	3	1(1)		-			2/1
	Chicken	29		17	9	17	2	3/5		Breaker Chemalana	1				1		
	Chicken Budgerigar	7		17	2	17	4	3/5	Chamaeleo pardalis Corucia zebrata	Parther Chameleon Prehensile-tailed Skink	6				1		2/2/2
	Budgerigar	7	197/	9	_	2	4		Chamaeleo pardalis  Corucia zebrata Tiliqua rugosa	Prehensile-tailed Skink Shingleback	6 8				1		2/2/2 3/4/1
			187(		9 2 71		4	3/5	Chamaeleo pardalis Corucia zebrata	Prehensile-tailed Skink	1 6 8 3 1				1		2/2/2
	Budgerigar	7	187(	9	_	2	4		Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink	1 6 8 3 1				1		2/2/2 3/4/1 1/2
	Budgerigar	7	1870	9	_	2	4	) 698	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink	1 6 8 3 1		3		1		2/2/2 3/4/1 1/2
	Budgerigar	7	1870	9	_	2	4	7	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perroletti	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink	1 6 8 3 1	1	3		5		2/2/2 3/4/1 1/2 0/0/1
Gongylomorphus bojeni	Budgerigar  Total: Birds  Bojer's Skink	7	187(	9	_	2	97(1	7 0/0/1	Chamaeleo pardalis Corucia sebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perrotetti  Vipera lebetina obtusa	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink	1 1 1 1	****	3		5		2/2/2 3/4/1 1/2 0/0/1 7 0/1
Gerrhosaurus major	Budgerigar  Total: Birds  Bojer's Skink  Greater Plated Lizard	7	1870	9	_	2	4	7	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perroletti	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper	1 6 8 3 1 1	1	3		5 .1.		2/2/2 3/4/1 1/2 0/0/1 7 0/1
Gerrhosaurus major Lacerta lepida (RT)	Budgerigar  Total: Birds  Bojer's Skink	7	1870	9	_	2	6	7 0/0/1 2/1/1 2/2 0/1	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigia perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera animodytes animodytes	Prehenatie-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper	1 6 8 3 1 1 1 1 1 9 2		3		5 . 1 . 2 1		2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus	Budgerigar  Total: Birds  Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor	7	187(	9	_	2	6	7 0/0/1 2/1/1 2/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae	Prehensile-tailed Skink Shingleback Eastern Elize-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-tossed Viper Armenian Viper Puff Adder	1 6 8 3 1 1 1 1 1 1 9 2 12		3		5 .1.		2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1 5/1/1
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorensis	Budgerigar  Total: Birds  Bojer's Skink  Greater Plated Lizard  Ocellated Lizard (Berlenga Isl.)  Jewelled Lizard	7	187(	9	_	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera animodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper	1 6 8 3 1 1 1 1 1 9 2 12 6 1 1	*	3		5 . 1 . 2 1		2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus albigularis Varanus niloticus	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor	7	1870	9	_	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigra perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera ammodytes ammodytes Vipera raddei Bitis arietans	Prehensile-tailed Skink Shingleback Eastern Elize-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-tossed Viper Armenian Viper Puff Adder	1 6 8 3 1 1 1 1 1 1 1 9 2 12 6 1 4	*			5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus praxinus Varanus timorensis Varanus albigularis Varanus mloticus Heloderma zuspectum	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor	7	187(	9	_	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2	Chamaeleo pardalis Corucia sebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sochureki	Prehenaile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper	1 6 8 3 1 1 1 1 1 1 9 2 12 6 1 4 7	******	3		5 . 1 . 2 1		2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1 5/1/1 5/1
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorentis Varanus albigularis Varanus mioticus Heloderma zuspectum suspectum (VU) Heloderma horridum	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monator Timor Monator Bose's Monator Nile Monator Reticulated Gila Monster	7	187(	9	_	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigia perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera animodytes animodytes Vipera raddei Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sochureki Echis carinatus leakeyi	Prehennile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper	1 6 8 3 1 1 1 1 1 1 9 2 12 6 1 4 7 7 1	*	3		5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorentis Varanus albigularis Varanus niloticus Heloderma muspectum auspectum (VU) Heloderma horridum exasperatum (VU)	Bojer'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	7	187(	9	_	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0	Chamaeleo pardalis Corucia sebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabuya perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sochureki	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper	1 6 8 3 1 1 1 1 1 9 2 12 6 1 4 7 1	*	3		5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1
Gerrhosaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorentis Varanus albigularis Varanus miloticus Heloderma zuspectum zuspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer	7	1870	9	_	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera ammodytes ammodytes Vipera raddei Bitus arietans Bitus gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyt Echis coloratus Agkistrodon contortrix contortrix	Prehenaile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper	1 6 8 3 1 1 1 1 1 9 2 12 6 1 4 7 1	* ***********			5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1 5/1/1 5/1 0/0/3 2/1
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorentis Varanus albigularis Varanus niloticus Heloderma muspectum auspectum (VU) Heloderma horridum exasperatum (VU)	Bojer'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 Grijalya Beaded Lizard Scheltopusik (Glass Lizard)	7	187(	9	71	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigra perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyt Echis coloratus Agkistrodon contortrix	Prehenaile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Caboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi	1 6 8 3 1 1 1 1 1 1 9 2 12 6 1 1 1 1				5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus mbigularis Varanus mbigularis Varanus mbigularis Heloderma zuspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer	7	187(	9	71	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabuya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitus gabanica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sazatalis Gloydius halys caragamus	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead  Rock Marmahi Karagonda Marmahi	1 6 8 3 1 1 1 1 1 9 2 12 6 1 4 7 7 1 1 1	*	3		5 . 1 . 2 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/1 5/1/1 5/1/1 5/1 - 0/0/3 2/1 - -
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus itmorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes Liasis albertisti	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled 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	7	187(	9	71	5 5 2 	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigra perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyt Echis carinatus Agkistrodon contortrix contortrix Gloydius intermedius saxutalis Gloydius intermedius Calloselama rhodostoma Trimeresurus purpureomaculatus	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead  Rock Marrashi Karagonda Marrushi Malayan Pit Viper Mangrove Pit Viper	6 1 4 7 1 1 1 6 3		*		5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus praxinus Varanus imorensis Varanus mbigularis Varanus mboticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus Serpentes	Bojer'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 Schelipalva (Glass Lizard) Sungarer Karoo Gredled Lizard	7	1870	9	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agizstrodon contortrix contortrix Gloydius intermedius suxadiis Gloydius intermedius suxadiis Gloydius halys caraganus Calloselaema rhodostoma Trimeresurus albolabris	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink  Levantine Viper Common Viper Palestine Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead  Rock Marriashi Karagonda Marriashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper	6 1 4 7 1 1 1 6 3		3	*	5 . 1 . 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/1 5/1/1 5/1/1 5/1 - 0/0/3 2/1 - -
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus timorentis Varanus albigularis Varanus niloticus Heloderma muspectum auspectum (VU) Heloderma horridum exaspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus Serpentes Liasis albertisti Liaus mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python	7	187(	9	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigra perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyt Echis carinatus Agkistrodon contortrix contortrix Gloydius intermedius saxutalis Gloydius intermedius Calloselama rhodostoma Trimeresurus purpureomaculatus	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Red-sided Viper Burton's Carpet Viper Southern Copperhead Rock Marmahi Rangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Tereiopelo Moojen's Fer-de-Lance	6 1 4 7 1 1 1 6 3		3	*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1 5/1/1 5/1 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Lisuis albertisti Lisuis mackloti savuensis SS Idorelia spilotes spilotes Python amethystinus	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schelgarer Karoo Giedled Lizard  D'Albert's Python Dan's Python Diamond Python Diamond Python Diamond Python Blood Python Blood Python Blood Python	7	187(	9	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera aberus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitus arietans Bitus gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius payareomaculatus Trimeresurus albolabris Bothrops asper	Prehenaile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Pull Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Karagonda Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terelopelo Moojen's Fer-de-Lance Fer-de-Lance x Moojen's	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1		3	*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1
Gerrhosaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyconus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti savuensis SS Morela spilotes spilotes Python curtus brongersmai Python curtus brongersmai	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schellated Gilas Lizard) Sungazer Karoo Girdled Lizard  D'Albert's Python Dan's Python Diamond Python Amethyst Python Blood Python Boneo Blood Python Boneo Blood Python	7	187(	9	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 0/0/6 1/0 2/2 0/0/5	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabigia perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera animodytes animodytes Vipera raddei Bitis garietans Echis carinatus sop. Echis carinatus sop. Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sazatalis Gloydius intermedius sazatalis Gloydius intermedius sazatalis Gloydius intermedius sazatalis Bolorops aper Bothrops moojens Bothrops atrox x moojeni	Prehensile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Red-sided Viper Burton's Carpet Viper Southern Copperhead Rock Marmahi Rangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Tereiopelo Moojen's Fer-de-Lance	6 1 4 7 1 1 1 6 3		3	*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0
Gerrhosaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti saruensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus brongersmai	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled 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 Dan's Python Savu Python Diamond Python Amethyst Python Blood Python Bomeo Blood Python Burmese Python Burmese Python	7	1870	9	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera ammodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Levantine Viper Common Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Karagonda Marmashi Malayan Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Fer-de-Lance Untru North-western Neotropical	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1		3	*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 0/0/1 4/1/2 0/1 5/1/1 5/1 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/1 3/0/1
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus niloticus Heloderma nuspectum auspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus breitensteini SS Python molurus brittatus Python regizs Epicrates subflavus (VU)	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer Karoo Girdled Lizard  D'Albert's Python Dan's Python Savu Python Diamond Python Amethyst Python Blood Python Boneo Blood Python Burnesse Python Royal Python Royal Python Jamaican Bos	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/0/5 0/0/3 3/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/0/5 0/0/5 0/0/5 0/0/0/5 0/0/5 0/0/0/5 0/0/0/0 0/0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabigra perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus sophureki Echis carinatus leakeyi Echis carinatus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus durisus culminatus	Prehemaile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Restern Long-nosed Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmahi Karagonda Marmahi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Virtu North-western Neotropical Rattlesnake	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1		3	*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Lisais mackloti S Lisais mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus breitensteini SS Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU)	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard  D'Albert's Python Dun's Python Dun's Python Savu Python Diamond Python Blood Python Blood Python Bomeo Blood Python Burmeas Python Royal Python Jamaican Boa Madagasoan Tree Boa	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/0/5 0/0/5 0/0/3 2/1/7	Chamaeleo pardalis Corucia sebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera ammodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Colorops any purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus vegrandis	Prehenalie-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marm	6 1 4 7 1 1 1 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·		*	5 . 1 . 2 1 1 2 .	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/13 0/0/1 1/0 1/1/13 1/1/28
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polytomus  Serpentes Liasis albertisti Liaus mackloti S Liasis mockioti savuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus breitensteini SS Python molurus birittatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer Karoo Girdled Lizard  D'Albert's Python Dan's Python Savu Python Diamond Python Amethyst Python Blood Python Boneo Blood Python Burnesse Python Royal Python Royal Python Jamaican Bos	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/0/5 0/0/3 3/0 1/3 - 2/2 0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/5 0/0/0/5 0/0/5 0/0/5 0/0/0/5 0/0/5 0/0/0/5 0/0/0/5 0/0/0/5 0/0/5 0/0/0/5 0/0/0/0/	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabieva perrotetti  Vipera lebetina obtusa Vipera berus Vipera anunodytes ammodytes Vipera raddei Bitas gabanica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus sop. Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sazatalis Colorops asper Bothrops asper Bothrops asper Bothrops alternatus Crotalus dirissus culminatus Crotalus unicolor (CR) Crotalus unicolor (CR) Crotalus atrox	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Puff Adder Caboon Viper Pygnry Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marm	6 1 4 7 1 1 1 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1		13	*	5 . 1 . 2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liaus mackloti S Liatis mackloti savuensis SS Morelia spilotes spilotes Python amedystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schelgarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Bos Madagascan Tree Boa Boa Constrictor Argentine Boa Dumenil's Boa	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/0/2 1/1/8	Chamaeleo pardalis Corucia sebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera ammodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Colorops any purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus vegrandis	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-tossed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojem's Fer-de-Lance Unutu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarmondback Rattlesnak Northern Pacific Rattlesnake Speckled Rattlesnake	6 1 4 7 1 1 1 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1		13	*	5 . 1 . 2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1  0/0/1 4/1/2 0/1 5/1/1 5/1  0/0/3 2/1  0/0/3 2/1  0/0/3 2/1  0/0/1 1/0 0/1 1/0 0/1 1/0 1/1/2 8 0/1 1/0 1/0 1/1/2 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Gerrhosaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti saruensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagacariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled 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 Dun's Python Dun's Python Diamond Python Blood Python Bomeo Blood Python Burmese Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/0/2 1/1/8 0/2 2/0 2/0/2 2/	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sanatalis Gloydius intermedius sanatalis Gloydius intermedius sanatalis Calloselanna rhodostoma Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus vegrandis Crotalus viridis oreganus Crotalus viridis oreganus	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Skink Levantine Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygnry Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper White-lipped Tree Viper Terelopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojem's Fer-de-Lance Urstu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Urscoae Rattlesnake Western Diamondback Rattlesnake Western Diamondback Rattlesnake	6 1 4 7 1 1 1 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1		13	*	5 . 1 . 2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus timorensis Varanus albigularis Varanus mioticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polytonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python amethystinus Python curtus brongersmai Python curtus brottermai Python regius Epicrates subflavus (VU) Saszinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis damerili Eryx conicus Eryx johnti Natrix natrix	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Nile Monitor Nile Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python Blood Python Blood Python Blood Python Burmese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argertine Boa Durnenils Boa Rough-scaled Sand Boa Smooth Sard Boa Grass Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 0/0/6 1/0 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/1/3 2/1/7 3/0 2/2/2 0/1/3 2/1/7 3/0 2/2/2 0/1/3 2/1/7 3/0 2/2/2 0/1/3 2/1/7 3/1/3 2/	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sap. Echis carinatus sap. Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus mitchelli	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Untu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnake Speckled Rattlesnake Sidewinder	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1 5 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1	,		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus niloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polytonus  Serpentes Lisuis mackloti S Lisuis mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus brittatus Python regius Epicrates subflavus (VU) Savainia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor Cocidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natra natra Hydrodynastes gigas	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled 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 Dan's Python Savu Python Diamond Python Amethyst Python Blood Python Blood Python Burmese Python Royal Python Jamaican Bos Madagassoan Tree Bos Bos Constrictor Argentine Bos Durneril's Bos Rough-scaled Sand Bos Smooth Sand Bos	7 667 1 3 3 4 2 3 1 4 1 4 7 6	187(	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 1/0/2 0/0/2 0/0/2 0/0/3	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sap. Echis carinatus sap. Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus mitchelli	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-tossed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojem's Fer-de-Lance Unutu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarmondback Rattlesnak Northern Pacific Rattlesnake Speckled Rattlesnake	6 1 4 7 1 1 1 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1	,	13	*	5 . 1 . 2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti sarwensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrastophis dumerili Eryx conicus Eryx johnti Natra: natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT)	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled 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 Dun's Python Dun's Python Damond Python Amethyst Python Blood Python Boneo Blood Python Burneae Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Greas Snake Boipevassu Snake Boipevassu Snake Smooth Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/1/1 1/0/1 1/1/4	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sap. Echis carinatus sap. Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus mitchelli	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Untu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnake Speckled Rattlesnake Sidewinder	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1 5 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1	,		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus bristlatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrastophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (KT) Lampropelius getulus floridana	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Bose's Monitor Nile Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Schelpousik (Glass Lizard) Sungazer Karoo Girdled Lizard  D'Albert's Python Dun's Python Dun's Python Savu Python Diamond Python Amethyst Python Blood Python Boneo Blood Python Burnese Python Royal Python Jamaican Bos Madagasean Tree Bos Bos Constrictor Argentine Bos Durneril's Bos Rough-scaled Sand Bos Smooth Sande Bos Grass Snake Bospowssu Snake Bospowssu Snake Florida King Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 1/0/2 0/0/2 0/0/2 0/0/3	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus Agkistrodon contortrix contortrix Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius intermedius suxatalis Calloselaema rhodostoma Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus durisus culminatus Crotalus durisus culminatus Crotalus durisus culminatus Crotalus dirius oreganus Crotalus drox Crotalus vegrandis Crotalus cerastes	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Untu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnake Speckled Rattlesnake Sidewinder	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1 5 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1	,		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus itmorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polycomus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti s spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus brittatus Python regius Epicrates subflavus (VU) Sarainia madagazcariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydroslymastus gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus califormae Lampropelits getulus califormae	Bojer'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) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python Blood Python Blood Python Bomeo Blood Python Burnese Python Royal Python Burnese Python Royal Python Burnese Python Royal Python Burnese Python Royal Python Boa Constrictor Argentine Boa Dameill Boa Rough-scaled Sand Boa Smooth Sande Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/1/3 1/1/8 0/2 2/0 2/1/1 1/0/1 1/1/4 0/1 0/0/1	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sap. Echis carinatus sap. Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus mitchelli	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Untu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnake Speckled Rattlesnake Sidewinder	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1 5 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1	,		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus brittatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor cocidentalis Acrastophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltis getulus californiae	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled Lizard (Berlenga Isl.) Jewelled Lizard Green Tree Monitor Timor Monitor Reticulated Gila Monster Rio Grijalva Beaded Lizard Scheltopunik (Glass Lizard) Sungazer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Dun's Python Savu Python Blood Python Blood Python Bomeo Blood Python Burmene Python Royal Python Burmene Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durrentils Boa Rough-scaled Sand Boa Smooth Sand Boa Grass Snake Boipevassu Snake Western Hog Nose Snake Senooth Snake Florida King Snake Sinaloan Milk Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 - 2/1/1 1/1/4 0/1	Chamaeleo pardalis Corucia zebrata Tiliqua rugosa Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus Agkistrodon contortrix contortrix Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius intermedius suxatalis Gloydius intermedius suxatalis Calloselaema rhodostoma Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus durisus culminatus Crotalus durisus culminatus Crotalus durisus culminatus Crotalus dirius oreganus Crotalus drox Crotalus vegrandis Crotalus cerastes	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmahi Karagonda Marmahi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojen's For-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Untu North-western Nectropical Rattlesnake Aruba Island Rattlesnake Uracoae Rattlesnake Uracoae Rattlesnake Sidewinder  Total: Reptiles	6 1 4 7 1 1 1 6 3 11 1 1 4 1 1 1 1 5 1 1 1 1 1 1 1 1 1 1	540		*	5 . 1 . 2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 - - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/1/13 1/1/28 0/0/1 1/0/5 0/0/1 1/0 4/59
Gerrhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus albigularis Varanus mloticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polycomus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti s spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus brittatus Python regius Epicrates subflavus (VU) Sanzinia madagazcariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor Boa constrictor Concolius Eryx johnti Natrix natrix Hydroshynautus gigas Heterodon nasicus Coronella austriaca (KT) Lampropelits getulus califormae Lampropelits triangulum	Bojer'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) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python Blood Python Blood Python Bomeo Blood Python Burnese Python Royal Python Burnese Python Royal Python Burnese Python Royal Python Burnese Python Royal Python Boa Constrictor Argentine Boa Dameill Boa Rough-scaled Sand Boa Smooth Sande Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/1/1 1/1/4 0/1 0/1 1/0 2/2	Chamaeleo pardalis Corecia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabieva perrotetti  Vipera lebetina obtusa Vipera berus Vipera anunodytes ammodytes Vipera raddei Bitas garietans Bitas gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sazatalis Gloydius intermedius sazatalis Gloydius intermedius sazatalis Gloydius intermedius sazatalis Calloselasma rhodostoma Trimeresurus albolabris Bothrops asper Bothrops moojeni Bothrops asper Bothrops alternatus Crotalus derissus culminatus Crotalus derissus culminatus Crotalus dirox Crotalus dirox Crotalus dirox Crotalus dirox Crotalus ritchelli Crotalus cerastes  AMPHIBIANS Anura Colostethus trinitatus	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Copperhead Rock Marmathi Karagonda Marmathi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance Untu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnake Speckled Rattlesnake Sidewinder  Total: Reptilles	6 1 4 7 1 1 1 6 3 11 1 4 1 1 1 5 1 7 1 5 1 1 1 1 1 1 1 1 1 1 1 1	540		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0
Gerhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mboticus Heloderma suspectum suspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackioti S Liasis mackioti S Liasis mackioti savuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon naticus Coronella austriaca (RT) Lampropeltis getulus floridana Lampropeltis triangulum sinaloae Boiga irregularis Dispholidus typus Pseudeckis colletti	Bojer'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 Dun's Python Dun's Python Dun's Python Diamond Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Grass Snake Boopevassu Snake Boopevassu Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake Brown Cat Snake Brown Cat Snake Boomslang Collett's Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/1/1 1/0/1 1/1/4 0/1 0/1 0/1 1/0 0/1 1/0	Chamaeleo pardalis Corucia zebrata Tiliqua scincoides scincoides Mabiga perroletti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agizitrodon contortrix contortrix Gloydius intermedius suvatalis Gloydius intermedius suvatalis Gloydius intermedius suvatalis Gloydius intermedius suvatalis Calloselaema rhodostoma Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops asper Bothrops alternatus Crotalus divisus culminatus Crotalus divisus culminatus Crotalus divisus culminatus Crotalus divisus culminatus Crotalus atrox Crotalus oreganus Crotalus oreates  AMPHIBIANS Amura	Prehemile-tailed Skink Shingleback Eastern Elue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terelopelo Moojen's Fer-de-Lance Fer-de-Lance Urutu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Green-&-black Poison Frog Blue-&-yellow Poison Frog Blue-&-yellow Poison Frog Blue-&-yellow Poison Frog	6 1 4 7 1 1 1 6 3 111 1 6 1 1 1 5 1 1 1 1 6 1 1 1 1 1 1 1	540		*	5 .1 .2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 . 0/0/1 4/1/2 0/1 5/1/1 5/1 . 0/0/3 2/1 0/0/3 2/1 0/0/3 2/1 1/0 0/0/13 0/0/1 1/0 0/0/13 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mioticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liaus mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python amedynitima Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natra: Hydrodynastes gigas Heterodon masicus Coronella austriaca (RT) Lampropeltis getulus floridana Lampropeltis getulus floridana Lampropeltis triangulum sinaloae Boiga irregularis Dispholidas typus Paeudechis colletti Oxyuranus scutellatus	Bojer'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) Surgazer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Dun's Python Dun's Python Diamond Python Blood Python Bomeo Blood Python Burmene Python Royal Python Jamaican Bos Madagasoan Tree Bos Bos Constrictor Argentine Bos Durneri's Bos Rough-scaled Sand Bos Smooth Sand Bos Grass Snake Boopevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Sinaloan Milk Snake Brown Cat Snake Boomslang	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/1/1 1/0/1 1/1/4 0/1 0/0/1 0/1 1/0 2/2 0/2 2/0 2/2 0/2 2/0 2/2 0/2 2/0 2/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sup. Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius halys caragamus Calloselamia rhodostoma Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops attenatus Crotalius divisius culminatus	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Karagonda Marmashi Malayan Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojem's Fer-de-Lance Uurun North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Western Diarmondback Rattlesnake Northern Pacific Rattlesnake Speckled Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Green-&-black Poison Frog Strawberry Poison Frog Strawberry Poison Frog Strawberry Poison Frog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	540	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 . 0/0/1 4/1/2 0/1 5/1/1 5/1 . 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/2/8 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mioticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus breitensteini SS Python molurus binittatus Python regizs Epicrates subflarus (VU) Sanzinia madagacariensis (VU) Sanzinia madagacariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis damerili Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon naticus Coronella austriaca (KT) Lampropelits getulus floridana Lampropelits getulus califormae Lampropelits getulus califormae Lampropelits triangulum sinaloae Boiga irregularis Dispholidus typus Pseudechis colletti Oxyuramus scutellatus Acanthophis antarcticus Bungarus candidur	Bojer'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) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Dun's Python Savu Python Diamond Python Blood Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argentine Boa Durnell's Boa Rough-scaled Sand Boa Smooth Sande Boa Grass Snake Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Florida King Snake Sinaloan Milk Snake Brown Cat Snake Boomslang Collett's Snake Taipun Death Adder Malayan Krait	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/1 1/0/1 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/2 2/2 0/	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera animodytes animodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sophareki Echis carinatus sophareki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxiatalis Gloydius intermedius contortrix Calloselasma rhodostoma Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus unicolor (CR) Crotalus derissus culminatus Crotalus derissus culminatus Crotalus derissus culminatus Crotalus vegrandis Crotalus oreastes  AMPHIBIANS  Amura Colostetius trinitatus Dendrobates auratus Dendrobates auratus Dendrobates auratus Dendrobates inictorius	Prehemile-tailed Skink Shingleback Eastern Elue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygny Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terelopelo Moojen's Fer-de-Lance Fer-de-Lance Urutu North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarnondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Green-&-black Poison Frog Blue-&-yellow Poison Frog Blue-&-yellow Poison Frog Blue-&-yellow Poison Frog	6 1 4 7 1 1 1 6 3 111 1 6 1 1 1 5 1 1 1 1 6 1 1 1 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mioticus Heloderma zuspectum zuspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Lisais abertisii Lizais mackloti savuensis 3S Morelia spilotes spilotes Python amethystinus Python curtus breitensteini SS Python molurus birittatus Python regius Epicrates subflavus (VU) Savainia madagazcariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor Boa constrictor occidentalis Acrastophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (RT) Lampropelits getulus floridana Lampropelits triangulum zinaloze Boiga irregularis Dispholidus typus Pseudechis colletti Oxyuranus scutellatus Acanthophis antarcticus Bungarus candidus Naya siamennis	Bojer's Skink Greater Plated Lizard Ocellated Lizard (Berlenga Isl.) Jewelled 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 Dan's Python Dan's Python Savu Python Diamond Python Amethyst Python Blood Python Blood Python Bomeo Blood Python Burnese Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sanke Boipevassu Snake Boipevassu Snake Western Hog Nose Snake Smooth Sanke Florida King Snake Californian King Snake Sinaloan Milk Snake Brown Cat Snake	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/2 0/0/2 0/1 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/2 2/0 2/2 0/0/2	Chamaeleo pardalis Corucia zebrata Tiliqua scincoides scincoides Mabiga perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agizitrodon contortrix contortrix Gloydius intermedius susatalis Gloydius intermedius susatalis Gloydius intermedius susatalis Cloydius intermedius contortrix Contortrix Colloselaema rhodostoma Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops asper Bothrops alternatus Crotalus durisus culminatus Crotalus durisu	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper Mangrove Pit Viper Terciopelo Moojen's For-de-Lance Fer-de-Lance Untru North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarmondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptiles  Stream Frog Green-&-black Poison Frog Blue-&-peliow-Poison Frog Stream Frog Yellow-&-black Poison Frog Phantasmal Poison Frog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	540	13 23	4	5 .1 .2	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 . 0/0/1 4/1/2 0/1 5/1/1 5/1 . 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 459  -40 5/1/5 1/0 0/0/33 4/1/11
Gerhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mboticus Heloderma auspectum suspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyvonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti sanuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus bristiatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis damerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastus gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltis getulus califormae Lampropeltis getulus califormae Lampropeltis triangulum sinalose Boiga irregularis Dispholidus typus Pseudechis colletti Oxyaramus scartellatus Acanthophis antarcticus Bungarus candidur Naja siamenuis Naja mossambica	Bojer'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 Dun's Python Dun's Python Dun's Python Diamond Python Bomeo Blood Python Bomeo Blood Python Burmene Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Grass Snake Boopevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Smooth Snake Florida King Snake Smooth Snake Florida King Snake Smooth Snake Boomelang Collett's Snake Boomelang Collett's Snake Taipan Death Adder Malayan Krait Samese Cobra Snouted Cobra Mozambique Spitting Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/1 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/0/2	Chamaeleo pardalis Corecia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera anunodytes ammodytes Vipera raddei Bitas gabonica rhinoceros Cerastes vipera Echis carinatus sup. Echis carinatus sup. Echis carinatus sochureki Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius propureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops asper Bothrops alternatus Crotalus durissus culminatus  Crotalus durissus culminatus Crotalus divisus culm	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Coppenhead Rock Marmahi Karagonda Marmahi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojen's Fer-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Uuru North-western Nectropical Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diamondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptiles  Stream Frog Green-&-black Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Streaberry Poison Frog Streaberry Poison Frog Streaberry Poison Frog Blue-&-black Poison Frog Streaberry Pit Viper Poison Frog Str	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 . 0/0/1 4/1/2 0/1 5/1/1 5/1 . 0/0/3 2/1 . 0/0/3 2/1 . 0/0/13 0/0/1 1/0 0/0/13 0/0/1 1/0 459
Gerrhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mboticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti savuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon naticus Coronella austriaca (RT) Lampropeltis getulus californiae Lampropeltis triangulum sinaloae Boiga irregularis Dispholidus typus Pseudechis colletti Oxyuranus scutellatus Acanthophis antarcticus Bungarus cantidus Naja annusifera Naja mousambica Naja pallida	Bojer'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 Scheltopusik (Glass Lizard) Sungazer Karoo Girdled Lizard  D'Albert's Python Dun's Python Dun's Python Darnond Python Amethyst Python Blood Python Boneo Blood Python Burnese Python Royal Python Jamaican Boa Madagasean Tree Boa Boa Constrictor Argertine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Greas Snake Boipevassu Snake Boipevassu Snake Florida King Snake Smooth Snake Florida King Snake Californian King Snake Smooth Snake Florida King Snake Sinaloan Milk Snake Brown Cat Snake Boomalarg Collett's Snake Tapan Death Adder Malayan Cobra Snouted Cobra Snouted Cobra Snouted Cobra Snouted Cobra Spitting Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 2/2 0/0/2 0/1 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/2 2/0 2/2 0/0/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sophereki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius halys caragamus Calloselasma rhodostoma Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus durisuus culminatus Crotalus durisuus culminatus Crotalus durisus culminatus Crotalus dirisus culminatus Crotalus atrox Crotalus atrox Crotalus atrox Crotalus oerastes  AMPHIBIANS  Amura Colostetinus trinitatus Dendrobates trictorius Crotalus carintus Crotalus carintus Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Crotalus carintus Crotalus carintus Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Litorius caerulea	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armenian Viper Puff Adder Gaboon Viper Pygrny Sand Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marnishi Karagonda Marnishi Malayan Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Untu North-western Nectropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diamondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Green-&-black Poison Frog Strawberry Poison Frog Strawberry Poison Frog Red-syellow Poison Frog Red-syell Tree Frog Marsupial Frog White's Tree Frog White's Tree Frog White's Tree Frog White's Tree Frog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 . 0/0/1 4/1/2 0/1 5/1/1 5/1 . 0/0/3 2/1 . 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 459  -40 5/1/5 1/0 0/0/3 4/1/1 0/0/6 1/1/7 . 0/0/9
Gerhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mbigularis Varanus mboticus Heloderma auspectum suspectum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyvonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti sanuensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python curtus bristiatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis damerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastus gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltis getulus califormae Lampropeltis getulus califormae Lampropeltis triangulum sinalose Boiga irregularis Dispholidus typus Pseudechis colletti Oxyaramus scartellatus Acanthophis antarcticus Bungarus candidur Naja siamenuis Naja mossambica	Bojer'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 Dun's Python Dun's Python Dun's Python Diamond Python Bomeo Blood Python Bomeo Blood Python Burmene Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argentine Boa Durneril's Boa Rough-scaled Sand Boa Smooth Sand Boa Grass Snake Boopevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Smooth Snake Florida King Snake Smooth Snake Florida King Snake Smooth Snake Boomelang Collett's Snake Boomelang Collett's Snake Taipan Death Adder Malayan Krait Samese Cobra Snouted Cobra Mozambique Spitting Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0  1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/0/2 1/1/8 0/2 2/0 2/2 0/0/2 0/0/1 1/0 0/1 1/0 2/2 0/0/2 0/0/1	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitts grietans Bitts grietans Bitts grietans Bitts grietans Echis carinatus sup. Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius propureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops atroix x moojeni Bothrops alternatus Crotalus derisuus culminatus Crotalus derisuus culminatus Crotalus unicolor (CR) Crotalus atroix Crotalus derisuus culminatus Crotalus derisuus culminatus Crotalus derisus culminatus Crotalus unicolor (CR)	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Western Long-nosed Viper Armensan Viper Puff Adder Gaboon Viper Pygrny Sand Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marnashi Karagonda Marnashi Malayan Pit Viper White-lipped Tree Viper Terciopelo Moojem's Fer-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Unna North-western Nectropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diamondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Green-&-black Poison Frog Strawberry Poison Frog Strawberry Poison Frog Red-syellow Poison Frog Red-syell Tree Frog Marsupial Frog White's Tree Frog Cuban Tree Frog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (RT) Lacerta lepida (RT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus miloticus Heloderma suspectum suspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Lisuis mackloti savuensis SS Morelia spilotes spilotes Python curtus brongersmai Python curtus brongersmai Python curtus brittatus Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor Boa constrictor Boa constrictor cocidentalis Acrantophis dumerii Eryx conicus Eryx johnti Natrix natrix Hydrodynautes gigas Heterodon nasicus Coronella austriaca (RT) Lampropeltus getulus floridana Lampropeltus getulus floridana Lampropeltus ricangulum sinaloae Boiga irregularis Dispholidus typus Pseudechis colletti Oxywranus scutellatus Acanthophis antarcticus Bungarus candidus Naja siamensis Naja annulifera Naja mousambica Naja palilda Naja palilda Naja oxiana	Bojer'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 Dun's Python Savu Python Savu Python Diarnord Python Blood Python Bomeo Blood Python Bomeo Blood Python Burmene Python Royal Python Jamaican Boa Madagasoan Tree Boa Boa Constrictor Argertine Boa Durrentis Boa Rough-scaled Sand Boa Smooth Sand Boa Grass Snake Boipevassu Snake Western Hog Nose Snake Senooth Snake Florida King Snake Florida King Snake Senooth Snake Florida King Snake Senooth Snake Florida King Snake Sonoth Snake Standom Milk Snake Brown Cat Snake Boomalang Colletts Snake Taipun Death Adder Malayan Krait Siameie Cobra Snouted Cobra Mozambique Spitting Cobra Spitting Cobra Brown Spitting Cobra Monocellate Cobra Central Asian Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/3 0/0/3 0/0/3 0/0/3 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/3 2/1/7 3/0 2/2/2 0/0/2 0/0/2 0/0/2 1/1/8 0/2 2/0 2/2 0/0/2 0/0/1 1/0 1/0 2/2 0/0/2 0/0/1 0/0/1 0/0/1 0/0/2	Chamaeleo pardalis Corucia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sophereki Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius saxatalis Gloydius intermedius saxatalis Gloydius halys caragamus Calloselasma rhodostoma Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops atrox x moojeni Bothrops alternatus Crotalus durisuus culminatus Crotalus durisuus culminatus Crotalus durisus culminatus Crotalus dirisus culminatus Crotalus atrox Crotalus atrox Crotalus atrox Crotalus oerastes  AMPHIBIANS  Amura Colostetinus trinitatus Dendrobates trictorius Crotalus carintus Crotalus carintus Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Crotalus carintus Crotalus carintus Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Dendrobates trictorius Litorius caerulea	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Coppenhead Rock Marmahi Karagonda Marmahi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojen's For-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Uuru North-western Nectropical Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diamondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptiles  Stream Frog Green-&-black Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Phantasmal Poison Frog Struberry Poison Frog Phantasmal Poison Frog Struberry Pit Viper Struberry Pit Viper Southern Tornato Frog American Bullifog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus mioticus Heloderma suspectum suspectum (VU) Heloderma horridum esasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Liasis albertisti Liasis mackloti S Liasis mackloti S Liasis mackloti saruensis SS Morelia spilotes spilotes Python amethystimus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagascariensis (VU) Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natra: natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (KT) Lampropeltis getulus floridana Lampropeltis getulus califormae Lampropeltis triangulum sinalcae Boiga irregularis Dispholidus typus Pseudechis colletti Oxyuranus scutellatus Acanthophis antarcticus Bungarus candidus Naja samensis Naja annalifera Naja massambica Naja pallida Naja sp. Naja kaouthia	Bojer'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) Sungarer Karoo Girdled Lizard  D'Albert's Python Dun's Python Savu Python Diamond Python Amethyst Python Blood Python Bomeo Blood Python Burnese Python Royal Python Burnese Python Royal Python Jamaican Boa Madagascan Tree Boa Boa Constrictor Argertine Boa Durnenib Boa Rough-scaled Sand Boa Senooth Sard Boa Grass Snake Boipevassu Snake Boipevassu Snake Western Hog Nose Snake Smooth Sard Boa Grass Snake Florida King Snake Florida King Snake Florida King Snake Florida King Snake Sinaloan Milk Snake Brown Cat Snake Boomtlang Collett's Snake Boomtlang Collett's Snake Taipan Death Adder Malayan Krait Saamese Cobra Snouted Cobra Mozambaque Spitting Cobra Snouted Cobra Mozambaque Spitting Cobra Snouted Cobra Mozambaque Spitting Cobra Monocellate Cobra Monocellate Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/2/2 0/0/2 0/2 1/1/8 0/2 2/0 1/0 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/2 2/0 0/2 2/1/1 1/0/1 1/1/4 0/1 0/1 1/0 2/2 0/2 2/0 0/2 2/1/1 0/0/4 2/0 0/0/2 2/1/1 0/0/4 2/0 0/0/2 2/1/1 0/0/4 2/0 0/0/2 2/1/1 0/0/4 2/0 0/0/2 2/1/1 0/0/4 2/0 0/0/2 0/0/2 2/1/1 0/0/4 2/0 0/0/2	Chamaeleo pardalis Corecia zebrata Tiliqua rugona Tiliqua scincoides scincoides Mabuya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anunodytes ammodytes Vipera raddei Bitus garietans Bitus gabonica rhinoceros Cerastes vipera Echis carinatus sop. Echis carinatus sop. Echis carinatus leakeyi Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius sazatalis Calloselasma rhodostoma Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops asper Bothrops asper Bothrops asterax x moojeni  Bothrops alternatus Crotalus derissus culminatus  Crotalus derissus culminatus  Crotalus unicolor (CR) Crotalus derissus culminatus  Crotalus derissus culminatus  Crotalus veryandis Crotalus cerastes  AMPHIBIANS  Amura Colostethus trinitatus Dendrobates tinctorius Dendrobates tincolor Agalychnis callidryus Gastrofaca riobambae Litoria caerulea Osteopilus septentrionalis Dyscophus genen Runa catesbriana Bufo calamita	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygrny Sand Viper Carpet Viper Saw-scaled Viper East African Saw-scaled Viper Burton's Carpet Viper Southern Copperhead Rock Marmashi Karagonda Marmashi Malayan Pit Viper Mangrove Pit Viper Mangrove Pit Viper Mangrove Pit Viper Terciopelo Moojen's For-de-Lance Fer-de-Lance Untru North-western Neotropical Rattlesnake Aruba Island Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diarmondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptilles  Stream Frog Stream Frog Phantasmal Poison Frog Blue-de-yed Tree Frog Marsupial Frog White's Tree Frog Cuban Tree Frog Cuban Tree Frog Southern Tomato Frog American Bullfrog Natterjack Toad	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/3 2/1 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 0/0/5 0/0/1 1/0 459
Gerhasaurus major Lacerta lepida (KT) Lacerta lepida (KT) Lacerta lepida lepida Varanus prasinus Varanus imorensis Varanus miloticus Heloderma zuspectum zuspectum (VU) Heloderma horridum exasperatum (VU) Ophisaurus apodus Cordylus giganteus (VU) Cordylus giganteus (VU) Cordylus polyzonus  Serpentes Lissis mackloti savuensis 3S Morelia spilotes spilotes Python amethystinus Python curtus brongersmai Python curtus brongersmai Python regius Epicrates subflavus (VU) Sanzinia madagaucariensis (VU) Boa constrictor Boa constrictor Boa constrictor occidentalis Acrantophis dumerili Eryx conicus Eryx johnti Natrix natrix Hydrodynastes gigas Heterodon nasicus Coronella austriaca (KT) Lampropeltus getulus floridana Lampropeltus getulus floridana Lampropeltus getulus califormae Lampropeltus getulus califormae Lampropeltus getulus califormae Lampropeltus condictus Dispholidus typus Pseudechis colletti Oxywranus scutettaus Bungarus candidus Naja annulifera Naja annulifera Naja mousambica Naja pallida Naja ya kaouthia Naja oxiana Hemachatus haemachatus	Bojer'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 Dun's Python Savu Python Dun's Python Savu Python Blood Python Bomeo Blood Python Burmene Python Royal Python Barnaican Bos Madagasoan Tree Bos Bos Constrictor Argentine Bos Durneril's Bos Rough-scaled Sand Bos Smooth Sand Bos Grass Snake Boipevassu Snake Western Hog Nose Snake Smooth Snake Florida King Snake Californian King Snake Smooth Snake Florida King Snake Sinaloan Milk Snake Brown Cat Snake Smooth Snake Florida King Snake Smooth Snake Smooth Snake Florida King Snake Smooth Snake Florida King Snake Smooth Snake Smooth Snake Smooth Snake Florida King Snake Smooth Snake Smooth Snake Smooth Snake Somoth Snake Smooth Snake Boornslang Collett's Snake Taipan Death Adder Malayan Krait Stamese Cobra Snouted Cobra Monocellate Cobra Spetting Cobra Brown Spetting Cobra Ringhal's Cobra Ringhal's Cobra Ringhal's Cobra Ringhal's Cobra Ringhal's Cobra	7 667 1 3 3 4 2 3 1 4 1 4 7 6	1870	9 (4) 180	71	5 2	6	7 0/0/1 2/1/1 2/2 0/1 0/0/5 0/0/3 0/0/2 1/0 2/2 1/0 0/0/4 3/3 3/0 1/3 - 0/0/6 1/0 - 2/2 0/0/5 0/1/3 2/1/7 3/0 2/1/7 3/0 2/1/7 3/0 2/1/7 3/0 2/1/7 1/0/1 1/1/4 0/1 0/1 1/	Chamaeleo pardalis Corucia zebrata Tiliqua scincoides scincoides Mabiya perrotetti  Vipera lebetina obtusa Vipera berus Vipera palaestinae Vipera anumodytes ammodytes Vipera raddei Bitis arietans Bitis gabonica rhinoceros Cerastes vipera Echis carinatus sochureki Echis carinatus sochureki Echis carinatus leakeyi Echis carinatus leakeyi Echis coloratus Agkistrodon contortrix contortrix Gloydius intermedius suxialis Crotalius grapureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus purpureomaculatus Trimeresurus albolabris Bothrops asper Bothrops asper Bothrops astrox x moojeni Bothrops alternatus Crotalus unicolor (CR) Crotalus vegrandis Crotalus vegrandis Crotalus vegrandis Crotalus veridis oreganus Crotalus veridis oreganus Crotalus derisus culminatus Dendrobates incotrus Dendrobates incotrus Dendrobates incotrus Dendrobates incotrus Dendrobates trinciatus Dendrobates trinciatus Dendrobates trinciatus Dendrobates trinciatus Dendrobates incotrus	Prehemile-tailed Skink Shingleback Eastern Blue-tongued Skink Red-sided Viper Palestine Viper Palestine Viper Puff Adder Gaboon Viper Pygmy Sand Viper Carpet Viper Saw-scaled Viper Burton's Carpet Viper Burton's Carpet Viper Southern Coppenhead Rock Marmahi Karagonda Marmahi Malayan Pit Viper Mangrove Pit Viper White-lipped Tree Viper Terciopelo Moojen's For-de-Lance Fer-de-Lance x Moojen's Fer-de-Lance Uuru North-western Nectropical Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Uracoan Rattlesnake Western Diamondback Rattlesnak Northern Pacific Rattlesnake Sidewinder  Total: Reptiles  Stream Frog Green-&-black Poison Frog Blue-&-black Poison Frog Blue-&-black Poison Frog Phantasmal Poison Frog Struberry Poison Frog Phantasmal Poison Frog Struberry Pit Viper Struberry Pit Viper Southern Tornato Frog American Bullifog	6 1 4 7 1 1 1 6 3 111 1 1 6 1 1 1 1 1 6 1 1 1 1	54()	13 23	4	5 .1 .2 1 5 . 1 1 2 1 1	6	2/2/2 3/4/1 1/2 0/0/1 7 0/1 - 0/0/1 4/1/2 0/1 5/1/1 5/1 - 0/0/6 2/1 3/6 1/0 2/2/17 0/1 1/0 0/0/13 0/0/1 1/0 1/1/13 1/1/28 0/0/1 1/0 459 0/0/9 0/0/9 0/0/2 0/0/3

			1	2	3	4	5	6	7			1	2	3	4	5	6	7
	Bombina orientalis	Fire-bellied Toad	20				14		0/0/8	Cypriniformes								
	Typhlonectes natans	Aquatic Caecilian		4					0/0/4	Myxocyprinus asiaticus	Chinese Sailfin Sucker	1	8			.+	-	9
	Ambystoma tigrinum	Tiger Salamander	*	3			2	-	0/0/3	Botia hymenophysa Botia lohachata	Tiger Botia	2		-		3	4	2
		Torrest transport	-82.0	100000	233	15	- 100		1,514	Botia macracantha	Pakistani Loach Clown Loach	5	-		-	1		4
		Total: Amphibians	172	51(6)	10	1	88		144	Botia modesta	Red-finned Botia	3				1		2
										Botia sidthimunki (CR) Leptobotia mantschurica	Chain Loach Manchurian Loach	10		*	1	1	-	1
	FISHES									Acheslognathus micropterus	Asian Bitterling	9				5		4
	OSTEICHTHYES									Barbus barbus Barbus bimaculatus	Barbel Two-spot Barb	12			*	1		3
	Acipenseriformes									Capoeta arulius	Arulis Barb	12				3		9
	Acipenser ruthenus (VU)	Sterlet	8			-		3	5	Capoeta oligolepis	Checker Barb	14			-	7	-	7
	Scaphirhynchus platorhynchus (Vl. Polyodon spathula (VU)	J)Shovelnose Stargeon Paddlefish	14		*	15		6	2	Capoeta semifasciolatus Capoeta tetrazona	Chinese Green Barb Tiger Barb	5			1	-	3	5
	Lothonous shanness (4.0)	1 apprintmen		11/2-10						Capoeta titteya	Cherry Barb	6			-	4	7.5	2
	Amiiformes	n								Carassius auratus	Goldfish	16			4	4		12
	Amia calva	Bowfin	-		. *				*	Ctenopharyngodon idella Cyprinus carpio	Grass Carp Carp - Koi, mirror, etc.	~53	1		1	5		-49
	Anguilliformes									Epalzeorhyncus siamensis	Flying Fox	2		4	+	1	-	1
	Anguilla anguilla Conger conger	Common Eel Conger Eel	1				-		1	Garra sp. Gobio gobio	Chinese Loach Gudgeon	6	6			10		2
	Echidna sebra	Zebra Moray Eel	5			1	1		5	Hypophthalmichthys molitrix	Silver Carp	6	-			3		3
	Gymnothorax favagineus	Leopard Moray Eel	2		*				2	Leuciscus cephalus Leuciscus idus	Chub Ide or Orse	8 16				6		8
	Atheriniformes									Osteochilus vittatus	Bony-lipped Barb	1	-		-	1		
	Bedotia geayi	Madagascan Rainbowfish	1	12	4	14	6		7	Phoxinus phoxinus	Minnow	10	4		-			4
	Glossolepis incisus (VU) Melanotuenia maccullochi	Metallic Rainbowfish McCulloch's Rainbowfish	19				6		13	Pseudorasbora parva Puntius bimaculata	Clicking Barb Red-stripe Barb	10				14		10
	Melanotaenia boesemani (EN)	Boeseman's Rainbowfish	4				2		2	Puntius nigrofusciatus	Black Ruby Barb	2				2		
	Melanotaenia trifasciatus	Rainbowfish	1				1			Puntius sachsi Rasbora borapetensis	Golden Barb Red-tailed Rasbora	10	*	*		1	3*	10
	Belontiformes									Rasbora elegans	Elegant Rasbora	17	-			5		12
	Dermogenya punilus	Malayan Halfbeak	4			4	3		1	Rasbora trilineata	Scissortail Rasbora	1	*	-	+	1		
	Nomorhampus ebrardti	Sulawesi Halfbeak	46		15	*	34		27	Rasbora heteromorpha Rutilus rutilus	Harlequin Rasbora Roach		20			2		18
	Beryciformes									Sarcocheilichthys sinensis	Amur Sucker	9				1		9
	Myripristis jacobus	Blackbar Soldierfish	3				1		2	Scardinius erythrophthalmus Tinca tinca	Rudd Tench	21 25		~69	-	2	40	~50
	Myripristis sp. Sargocentron sp.	Squirrelfish Striped Soldierfish	+	5		*		*	5	Zacco sp.	Zacco	1		>13	-	-	10	>26
	our government up.	- eden communic	7/4					100	0.70	Notropia lutrensia	Red Shiner	7		-	4	1	14	6
	Characiformes		20							Cyprinodontiformes								
	Acestorhynchus falcatus Astyanax mexicanus (VU)	Spotted Cachorro Blind Cavefish	1 22	-	-	+	1		22	Ameca splendens (EW)	Butterfly Goodeid	170	4	nr	-	>10	74	~160
	Hemigrammus bleheri	Rummy-nose Tetra	4				3		1	Pachypanchax omalonotus	Madagascan Killifish	11		11		1	-	22
	Hemigrammus erythozonas Hyphessobrycon herbertaxelrodi	Glowlight Tetra Black Neon Tetra	20	20			12		8	Xenotoca eisent Poecilia nigrofasciata	Red-tailed Goodeid Black-barred Limia	23 217		-45		23 -41	61	-160
	Hyphessobrycon pulchripinnis	Lemon Tetra	13			1	7		6	Poecilia reticulata	Guppy	1 col.				18		1 colony
	Hyphessobrycon serpae	Serpae Tetra	6	+		+	3		3	Poecilia reticulata (wild form)	Pitch-lake Guppy	~500		~192	-	3	69	~620
	Paracheirodon innesi Pristella maxillaris	Neon Tetra X-ray Tetra	1	20		*	5		13	Gadiformes								
	Gymnocorymbus ternetzi	Black Widow Tetra	+	28			4		24	Pollachius pollachius	Pollack	1	-			1	-	
	Metynnis argenteus Serrasalmus nattereri	Silver Dollar Red-bellied Piranha	3 -138			*	1		2 -138	Trisopterius luscus	Bib		15		*	100		15
	Triporthes angulatus	Narrow Hatchetfish	6						6	Gasterostelformes								
	Hasemania nana	Silver-tipped Tetra	10	20		74	12	-	18	Gasterosteus aculeatus	Three-spined Stickleback	24		-54	- 1	3	-	-75
_			_	_	_	_	_	_	_			_		_	-	-		-34
			1	2	,	4	5	6	7			1	2	3	4	5	6	7
		Samuelh	1	2 :	,	•	5	6	,	Sarotherodos mossambica	Mozambique Mouthbrooder	1 2	2	3	4:	5	6 2	7
		Searnoth Worm Pipefish	1	3		4	5 3 5	6	,	Sarotherodon mossambica Neocirrhitus armatus	Mozambique Mouthbrooder Soarlet Hawkfish	1 2 1	2	3	4	5	6 2 .	
	Nerophis ophidion Syngnathus acus	Worm Pipefish Greater Pipefish	1 12 16	3	-100	4	5 3 5 -105	6	7 11	Neocirrhitus armatus Gobiodon citrinus	Soarlet Hawkfish Saffron Goby	1 2 1 3 15	2	3	•	s 1	6 2	3
	Nerophis ophidion Syngnathus acus Hippocampus sp.	Worm Pipefish Greater Pipefish Seahorse		3		•	5 3 5 -105 2 6		,	Neocirrhitus armatus	Scarlet Hawkfish	1 2 1 3 15 16	2	3	•	s 1	6 2	3 15 14
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis	Worm Pipefish Greater Pipefish		3	-100	4	2		7 11 4	Neocirrhins armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius pagamellus	Scarlet Hawkfish Saffron Goby Common Goby Black Goby Rock Goby		2	3	4	5	6 2	3 15 14 22
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse		3	-100	4	2		7 11 4	Neocirrhinus armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius paganellus Cheilinus sp.	Scarlet Hawkfish Saffion Goby Common Goby Black Goby	16	2	3	4	s	6 2	3 15 14
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus caperuis Entelurus aequoreus  Gymnotiformes	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse		3	-100	4	2		7 11 4	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby	16	2 20 -	3	4	5 1 	6 2	3 15 14 22
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Extelurus aequoreus  Gymnotiformes Electrophorus electricus	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse Snake Pipefish		3	-100	•	2		7 11 4	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinsing Gourami	16	2 20 1	3	4	5	6 2	3 15 14 22
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes	Worm Pipefish Grester Pipefish Seahorse Krysna Seahorse Snake Pipefish Electric Eel		3	-100	•	2		7 11 4	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby	16	2 20 20 1 10	3	4	s	6 2	3 15 14 22
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus olatus Lepisosteus platyrkincus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish Electric Eel Spotted Gar Florida Gar		3	-100	•	2		7 11 4	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kisaing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse	16 4 1 11 4 1			4	s	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus platyrhincus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish Electric Eel		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Chellinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temminchi Gomphosus varius Ctenolabrus rupestris	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wranse Goldsinny Wranse	16 4 1 11 4 1		3	4	s	6 2	3 15 14 22 5 3
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus olatus Lepisosteus platyrkincus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish Electric Eel Spotted Gar Florida Gar		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergvita Labrus mixtus Labrus mixtus Labrus mixtus Labrus viridis	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kissing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse	16 4 1 11 4 1		3	4	5 · 1 · · · 2 2 2 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus mixtus Labrus mixtus Labrus viridis Pseudocheilinus hexataenia	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse	16 4 1 11 4 1 - 18 2 16 5 1		3	4	5 · 1 · · · 2 2 2 1 6 6 1 1 1 1 1 · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Costeoglossiformes Gnathonemus ibus	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius miger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergvita Labrus mixtus Labrus mixtus Labrus mixtus Labrus viridis	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrease Goldsirmy Wrease Cleaner Wrease Ballan Wrease Cuckoo Wrease Cuckoo Wrease Green Wrease Pyjama Wrease Corkwing Wrease Rock Cook	16 4 1 11 4 1		*	4	s · 1 · · · 2 2 2 1 6 1 1 1 4 1 1 · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platyrkincus Costeoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel Spotted Gur Florida Gur Shortnose Gur Elephant-nose Fish Clown Knife Fish		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma semminchi Gomphosus varius Ctenolabrus repestris Labrosides dimidiatus Labrus bergylta Labrus mixtus Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Oren Wrasse Creen Wrasse Creen Wrasse Creen Wrasse Rock Cook Spanish Hogfish	16 4 1 11 4 1 - 18 2 16 5 1	1 10	3	4	s		3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platyrkincus Costeoglossiformes Gnathonemus ibis Notopterus chitola  Perciformes Naso lituratus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gur Florida Gur Shortnose Gur  Elephant-nose Fish Clown Knife Fish		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temmincki Gonyhosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergilta Labrus bergilta Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Creen Wrasse Creen Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-burred Tiger Fish	16 4 1 11 4 1 - 18 2 16 5 1	1 10	3	4	5 · 1 · · · 2 2 2 1 6 1 1 1 1 · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus caperais Entelarus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonomus ibus Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailtin Tang		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrudes dimitiatus Labrus bergyita Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish	16 4 1 11 4 1 - 18 2 16 5 1	1 10	*	4	s · 1 · · · 2 2 2 1 6 1 1 1 4 1 1 · · · · · · · · · · · · · ·	6 2	3 15 14 22 - 5 3 - - - - - - - - - - - - - - - - -
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platostomus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Oar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingpley's Climbing Perch		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus bergyita Labrus bergyita Labrus mutus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiamus rufus Opistognathus aurifrons Datnioides quadrifasciatus	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick lipped Grey Mullet	16 4 1 11 4 1 - 18 2 16 5 1	1 10		4	s · 1 · · · 2 2 2 1 6 1 1 1 · · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Rotopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Ctenopoma kingsleyae Apogon nematopterus	Worm Pipefish Greater Pipefish Seahorse Knysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailtin Tang		3	-100	4	2		7 11 4 2/2/32 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus bergilta Labrus bergilta Labrus wiridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argenteus Dicentrarchus labrus Chelon labrosus Parupeneus barberinoides	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick lipped Grey Mullet Bicolour Goatfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10	*	4	s · 1 · · · · 2 2 2 1 6 6 1 1 1 1 · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 24 1 15 5 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso literatus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Perropogon kaudernt Belontia signata	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail		3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temminchi Gomphosus varius Ctenolabrus rupestris Labroides dimediatus Labrus bergylta Labrus bergylta Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnicides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsirmy Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Cuckoo Wrasse Core Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Marry-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch	16 4 1 11 4 1 - 18 2 16 5 1 1 34 -	1 10	*	4	s · 1 · · · 2 2 2 1 6 1 1 1 · · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Beiostia zignata Betta splendens	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 3 21	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus bergilta Labrus bergilta Labrus wiridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argenteus Dicentrarchus labrus Chelon labrosus Parupeneus barberinoides	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick lipped Grey Mullet Bicolour Goatfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10	*	4	s · 1 · · · 2 2 2 1 6 1 1 1 1 · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 24 1 15 5 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Csenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Beiontia signata Benta splendens Colina chuna	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 3 21	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergista Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiopu altivelis Pomacanthus imperator	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Creen Wrasse Pyjama Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10	*	4	s · 1 · · · 2 2 2 1 6 1 1 1 4 1 1 · · · · · · · · · · · · · ·	6 2	3 15 14 22 5 3 24 1 15 5 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platorhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Peracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Petropogon kauderni Belontia zignata Betta splendens Colina chuna Colina lalia Macropodus opercularis	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian Banggac Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 3 21	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus demidiatus Labrus bergyita Labrus mixtus Labrus wiridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datniordes quadrifiacciatus Monodactylus argentus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Callopiestops altivelis Pomacanthus imperator Pomacanthus paru	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10	*	4	s · 1 · · · 2 2 1 6 1 1 1 · · · · · · · · · · · · · · ·		3 15 14 22 5 3 24 1 15 5 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kaudent Belontia signata Betta splendens Colina china Colina lalia Macropodus opercularis Trichogaster trichogaster	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Stamene Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 3 21	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus svides Helostoma temmincki Gomphosus varius Ctenolabrus repestris Labrus bergilta Labrus bergilta Labrus mixtus Labrus mixtus Labrus viridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datniordes quadrifasciatus Monodactylus argenteus Dicentrarchus labrus Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Core Wrasse Pyjama Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish French Angelfish Clownfish Clownfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10			s		3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracamhurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Peropogon kaudent Belonta signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 3 21	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temminchi Gomphosus varius Ctenolabrus repestris Labroides dimidiatus Labrus bergitta Labrus bergitta Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiamus rufus Opistognathus aurifrons Datneoides quadrifacciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Sticostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chronis viridis	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Coldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish French Angelfish Prench Angelfish French Angelfish French Angelfish Clownfish Blue-green Chromis	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10		4	s	6 2	3 15 14 22 5 3 24 1 15 5 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrkincus Lepisosteus platyrkincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesceus Ctenopoma kingsleyae Apogon nematopterus Petropogon kauderni Belontia signata Betta splendens Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggac Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradiae Fish Three-spot Gourami Tompot Blenny Sharny Mandarin Fish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1 3 1 1 3 1 1 3 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergylta Labrus mixtus Labrus bergylta Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnicides quadrifacciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stioustedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion coellaris Chromis viridis Dascyllus arunnus Dascyllus marginatus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish French Angelfish Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Dumsel	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10				6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platoatomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Beiontia signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pteronynchiropus splendidus Lepomis gibbosus Lepomis gibbosus Lepomis gibbosus Lepomis gibbosus Lepomis gibbosus Lepomis gibbosus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Dwarf Gourami Tompot Blenny Sharny Mandarin Fish Pumpkinseed Warmouth Bass	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergylta Labrus muttus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiopu altivelis Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus aruanus Dascyllus aruanus Dascyllus melanurus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperuh Marine Betta Emperor Angelfish French Angelfish French Angelfish Australian Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Marginate Damsel Black-tailed Humbug	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Czenopoma kingsleyae Apogon nemotopterus Pteropogon kauderni Belontia signata Betta splendens Colius chuna Colius lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholus Lepomis giborus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingsley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Sharny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1 3 1 1 3 1 1 3 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergylta Labrus mixtus Labrus bergylta Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnicides quadrifacciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stioustedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion coellaris Chromis viridis Dascyllus arunnus Dascyllus marginatus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish French Angelfish Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Dumsel	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Czenopoma kingsleyae Apogon nemotopterus Pteropogon kauderni Belontia signata Betta splendens Colius chuna Colius lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholus Lepomis giborus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Dwarf Gourami Tompot Blenny Sharny Mandarin Fish Pumpkinseed Warmouth Bass	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus repestris Labrus dennidatus Labrus betgrita Labrus mixtus Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argenteus Dioentrarchus labrus Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinning Gourami Birdmouth Wrasse Goldsinny Wrasse Coldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Australian Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Dumsel Black-tailed Humbug Dormino Three Spot Damsel Neon Damselfish Canary Blenny	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platoritmus Lepisosteus platoritmus Lepisosteus platoritmus Lepisosteus platoritmus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Coliua chima Coliua lalia Macropodus opercularis Trichogaster trichogaster Blennius gatorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis megalotis Siniperca chuatsi Chaetodon falcula	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Pereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus repestris Labrus bergylta Labrus bergylta Labrus mixtus Labrus viridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argentus Dicentrarchus labrax Chelon labrosus Perca flaviathis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus arusmus Dascyllus melanurus Dascyllus melanurus Dascyllus trimaculatus Pomacentrus alleri	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish French Angelfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capenuis Entelurus aequoreus  Gymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibis Notopterus chitala  Perciformes Naso lituratus Paracamhurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Peropogon kaudent Belonta signata Betta splendens Coliua chuna Coliua ialia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pteronynchiropus splendidus Lepomis megalotis Sintperca chuatsi Chaetodon falcula Chelmon rostratus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Baas Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Copperband Butterflyfish Copperband Butterflyfish	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergylta Labrus muttus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus aruanus Dascyllus marginatus Dascyllus marginatus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipionis	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cleaner Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Biolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Dumsel Black-tailed Humbug Domino/Three Spot Damsel Neon Dumselfish Canary Blenry Maroon Clownfish Purple Flashback Lyretail Coralfish	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platorhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Peracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Peropogon kauderni Belontia signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pteroprokiropus splendidus Lepomis gibbonus Lepomis gibbonus Lepomis gibbonus Lepomis megalotis Sintperca chuatai Chelmon rostratus Hensolma acuminatus Apistogramma cacatuoides	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingpley's Climbing Perch Pyjama Cardinal Indonesian Banggio Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinneed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid	16 4 	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 3 1 3	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergylta Labrus muttus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion ocellaris Chromis viridis Dascyllus aruanus Dascyllus marginatus Dascyllus marginatus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipinnis Cephalopholis mincatus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginste Damsel Black-tailed Humbug Domino Three Spot Damsel Neon Damselfish Canary Blenry Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platoatomus  Osteoglossiformes Gnathonomus ibis Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavesoens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gibbosus Lepomis gibbosus Lepomis gulonus Lepomis megalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Heniochus acuninatus Apistogramma cacatuoides Chromidotilapia guentheri	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjarna Cardinal Indonesian/Banggai Cardinal Fish Combtail Summese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Tompot Blenny Sharny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Coinese Perch Falcula Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Constance Dwarf Cichlid Guenther's Mouthbrooder	16 4 - - 1 2 2 2 1 1 3 5 3 3 3	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergylta Labrus muttus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus aruanus Dascyllus marginatus Dascyllus marginatus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipionis	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Pench Angelfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenny Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper Polka-dot Grouper/Pantherfish Tobacco Bass	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Cencopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Colisa chuna Colisa lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis platosus Lepomis megalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Heniochus acuatuoides Chronidotilapia frontosa Labrochromis ishmaeli (EW)	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Suamese Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Lake Victoria Cichlid	16 4 - - 1 2 2 1 1 3 5 3 3 3 - 14 2 1 4 1 1 6 8 4 1 1 1 1 1 6 6 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 21 13 1 1 3 20 1 7 1 1 3 3 1 3 1 3 1 1 1 1 1 1 1 1 1 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius riger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus svides Helostoma temmincki Gomphosus varius Ctenolabrus repestris Labrus bergylta Labrus bergylta Labrus mixtus Labrus viridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca flaviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus oncellaris Chromis viridis Dascyllus araunus Dascyllus melanorus Dascyllus trimaculatus Pomacentrus alleri Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipinnis Cephalopholis mincatus Cromileptis altivelis Serranus tabacortus Serranus tabacortus Serranus tigrinus	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Turkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Coldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish Australian Clownfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Dumsel Black-tailed Humbug Marginate Dumsel Roon Dumselfish Canary Blenny Maroon Clownfish Puple Flashback Lyretail Coraffish Red Grouper Polka-dot Grouper/Partherfish Tobacco Bass Harlequin Bass	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 2 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platostomus  Costeoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Coliua chima Coliua lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis megalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Hensochus acuminatus Apisogramma cacatuoides Ckronislotilapia frontosa Labrochromis ishmaeli (EW) Julidochromis regani	Worm Pipefish Grester Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamene Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinneed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Cockstoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Lake Victoria Cichlid Striped Julie	16 4 - - 1 2 2 1 1 3 5 3 3 - 14 2 1 4 6 8 4 11 6 8 3 1 1 1 6 8 3 1 1 1 1 6 8 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 7 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1	Receirchitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus Ctenolabrus repestris Labroides dimidiatus Labrus bergylta Labrus mixtus Labrus viridus Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifasciatus Monodactylus argentrus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluriatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridus Dascyllus arunus Dascyllus marginatus Dascyllus marginatus Dascyllus melanurus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onolenensis Prannas biaculeatus Pseudochromis disdema Anthias squamipinnis Cephalopholis mincatus Cromileptis olitvelis Serranus tabacortus	Scarlet Hawkfish Saffiron Goby Common Goby Black Goby Rock Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsinny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Geen Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bicolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Pench Angelfish Clownfish Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenny Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper Polka-dot Grouper/Pantherfish Tobacco Bass	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10					3 15 14 22 2 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Cencopoma kingsleyae Apogon nematopterus Pteropogon kaudemi Belontia signata Betta splendens Colisa chuna Colisa lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis platosus Lepomis megalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Heniochus acuatinatus Apistogramma cacatuoides Chromidotilapia frontosa Labrochromis ishmaeli (EW)	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Suamese Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Lake Victoria Cichlid	16 4 - - 1 2 2 1 1 3 5 3 3 3 - 14 2 1 4 1 1 6 8 4 1 1 1 1 1 6 6 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 21 13 1 1 3 20 1 7 1 1 3 3 1 3 1 3 1 1 1 1 1 1 1 1 1 1	Neocirrhitus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Ptereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labroides dimidiatus Labrus bergylta Labrus muttus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus marginatus Dascyllus mineus Dascyllus trimaculatus Pomacentrus allevi Meiacanthus onalenensis Premas biaculeatus Pseudochromis diadema Anthias squamipinnis Cephalopholis mineatus Cromileptis altivelis Serranus tabacorus Serranus tabacorus Serranus tabacorus Serranus taratus Spondyliosoma cantharus	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tuskfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Cleaner Wrasse Geen Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Biolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Perch Marine Betta Emperor Angelfish French Angelfish Purch Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino Three Spot Damsel Neon Damselfish Canary Blenny Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass Gilthead Bream Black Sea Bream Black Sea Bream	16 4 1 11 4 1 18 2 16 5 1 1 34 	1 10				6 2	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platorhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Peracanthurus hepatus Zebrasoma flavescens Ctenopoma kingslevae Apogon nematopterus Pteropogon kauderni Beiontia signata Betta splendens Colina ichuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterophricopus splendidus Lepomis gibbonus Lepomis gibbonus Lepomis gibbonus Lepomis megalotis Sintperca chiatai Chetodon falcula	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingaley's Climbing Perch Pyjarna Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinneed Warmouth Baas Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Striped Julie Red-top Cichlid Madagacar Cichlid Velvet Black Lake Victoria Cichlid Velvet Black Lake Victoria Cichlid Velvet Black Lake Victoria Cichlid	16 4 	3	-100	4	2		7 11 4 2/2/32 1 1 2 2 1 1 3 3 1 3 1 3 1 3 1 3 2 1 1 3 3 1 1 3 1 1 1 1	Receive this armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergita Labrus bergita Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifacciatus Monodactylus argentus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion ocellaris Chromis viridis Dascyllus arunus Dascyllus minevus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipiunts Cephalopholis mineatus Cromileptis altivelis Serranus tortuganum Sporudylirosoma cantharus Toxotes jaculator	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Pierch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Clownfish Blue-green Chromas White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenry Maroon Clownfish Purple Flashback Lyntail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass	16 4 1 11 4 1	1 10					3 15 14 22 5 3 
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	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platostomus  Costeoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Colisa chima Colisa lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis negalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Hentochus acuminatus Apistogramma cacatuotdes Chromistoliapia frontosa Labrochromis regani Labeotropheus fuelleborni Ptychochromis greenwoodi Melanochromis phoanni Melanochromis chipokee Haplochromis venustus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Suamese Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Cohinese Perch Falcula Butterflyfish Warmouth Bass Orange-spotted Sunfish Conges spotted Sunfish Long-eared Sunfish Conges Perch Falcula Butterflyfish Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Cohinese Perch Falcula Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Lake Victoria Cichlid Striped Julie Red-opcichlid Madagascar Cichlid Velvet Black Lake Victoria Cichlid Johanni Cichlid Mbuna Cichlid Lake Malawi Cichlid Lake Malawi Cichlid	16 4 - 1 2 2 1 1 3 5 3 3 1 1 4 1 1 6 8 4 1 1 1 1 1 6 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2 6 1 - 1 4 1 1 6 4 7 6 3 1 4 2 2 5 5 8 2 1 5 7 3 1 1 5 7 3 1		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1 3 1 3 1 1 3 1 1 1 1	Receive this armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergita Labrus bergita Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifacciatus Monodactylus argentus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion ocellaris Chromis viridis Dascyllus arunus Dascyllus minevus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipiunts Cephalopholis mineatus Cromileptis altivelis Serranus tortuganum Sporudylirosoma cantharus Toxotes jaculator	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Pierch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Clownfish Blue-green Chromas White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenry Maroon Clownfish Purple Flashback Lyntail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass	16 4 1 11 4 1	1 10			2 1		3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus sp. Hippocampus capensis Extelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus platyrhincus Lepisosteus platyrhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso literatus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pieropogon kingsleyae Apogon nematopterus Belontia signata Betta splendens Coltaa chuna Coltaa lalia Macropodus opercularis Trichogauter trichogauter Blennius gattorugine Lipophrys pholis Percoynchiropus splendidus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis megalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Heniochus acuminatus Apistogramma cacatuoides Chromidotilapia frontosa Labrochromis ishmaeli (EW) Julidochromis regani Labeotropheus fuelleborni Ptychochromis greenwoodi Melanochromis johanni Melanochromis chipokee Haplochromis venustus Neolamprologus brichardi	Worm Pipefish Grester Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingsley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamene Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-sared Sunfish Long-eared Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Medagascar Cichlid Striped Julie Red-top Cichlid Mouna Cichlid Lake Wictoria Cichlid Joharni Cichlid Joharni Cichlid Mouna Cichlid Lake Malawi Cichlid	16 4 - 1 2 2 1 1 3 5 3 3 1 1 4 1 1 1 6 8 4 1 1 1 1 1 1 6 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2 6 1 - 1 4 - 1 1 6 4 7 6 3 1 4 - 2 2 5 5 8 2 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 1 5 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 1 1	Receive this armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus dergita Labrus bergita Labrus mixtus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodianus rufus Opistognathus aurifrons Datnioides quadrifacciatus Monodactylus argentus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion ocellaris Chromis viridis Dascyllus arunus Dascyllus minevus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipiunts Cephalopholis mineatus Cromileptis altivelis Serranus tortuganum Sporudylirosoma cantharus Toxotes jaculator	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Pierch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clowefish Clownfish Blue-green Chromas White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenry Maroon Clownfish Purple Flashback Lyntail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass	16 4 1 11 4 1	1 10			2 1		3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis oculatus Lepisosteus oculatus Lepisosteus platostomus  Costeoglossiformes Gnathonemus this Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Pteropogon kauderni Belontia signata Betta splendens Colisa chima Colisa lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gulonus Lepomis gulonus Lepomis gulonus Lepomis negalotis Siniperca chuatsi Chaetodon falcula Chelmon rostratus Hentochus acuminatus Apistogramma cacatuotdes Chromistoliapia frontosa Labrochromis regani Labeotropheus fuelleborni Ptychochromis greenwoodi Melanochromis phoanni Melanochromis chipokee Haplochromis venustus	Worm Pipefish Greater Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Sailfin Tang Kingaley's Climbing Perch Pyjama Cardinal Indonesian/Banggai Cardinal Fish Combtail Suamese Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Cohinese Perch Falcula Butterflyfish Warmouth Bass Orange-spotted Sunfish Conges spotted Sunfish Long-eared Sunfish Conges Perch Falcula Butterflyfish Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Cohinese Perch Falcula Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Lake Victoria Cichlid Striped Julie Red-opcichlid Madagascar Cichlid Velvet Black Lake Victoria Cichlid Johanni Cichlid Mbuna Cichlid Lake Malawi Cichlid Lake Malawi Cichlid	16 4 - 1 2 2 1 1 3 5 3 3 1 1 4 1 1 6 8 4 1 1 1 1 1 6 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2 6 1 - 1 4 - 1 1 6 4 7 6 3 1 4 - 2 2 2 5 2 5 3 1 5 2 5 3 1 5 3 3 3 1 5 3 3 3 3		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1 3 1 3 1 1 3 1 1 1 1	Receive thus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Labrosus varius Canolabrus rupestris Labrus bergita Labrus mutus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus marginatus Dascyllus marginatus Dascyllus minaculatus Pomacentrus allevi Meiacanthus onalenensis Premas biaculeatus Pomacentrus dilevi Meiacanthus onalenensis Premas biaculeatus Pseudochromis diadema Anthias squamipinnis Cephalopholis mincatus Cromileptis altivelis Serranus tabacorus Serranus tabacorus Serranus tabacorus Serranus toriuganum Sparus auratus Spondyliosoma cantharus Toxotes jaculator Echischtys viperu	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Cleaner Wrasse Cleaner Wrasse Cuckoo Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clownfish Clownfish Blue-green Chromas White-tailed Humbug Marginate Dannel Black-tailed Humbug Domino Three Spot Dannel Black-tailed Humbug Domino Three Spot Dannel Neon Dannelfish Canary Blenny Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass Gilthead Bream Black Sea Bream Archerfish Lesser Weever	16 4 1 11 4 1	1 10			2 1	12	3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteiformes Lepisosteus oculatus Lepisosteus platorhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Paracanthurus hepatus Zebrasoma flavescens Ctenopoma kingslevae Apogon nematopterus Pteropogon kauderni Beiontia signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lapophrys pholis Pteroynchiropus splendidus Lepomis gibbonus Lepomis gibbonus Lepomis gulonus Lepomis megalotis Siniperca chuatai Chaetodon falcula Chelmon rostratus Heniodus acuminatus Apistogramma cacatuoides Chromidotilapia guentheri Cyphotilapia frontosa Laborchromis ishmoeli (EW) Julidochromis regani Laberchromis greenwoodi Melanochromis pennioni Melanochromis phanni Melanochromis premwoodi Melanochromis premwoodi Melanochromis premwoodi Melanochromis premwoodi Melanochromis premwoodi Nelanochromis premwoodi	Worm Pipefish Grester Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingsley's Climbing Perch Pyjarna Cardinal Indonesian/Banggai Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Dwarf Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinseed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Long-eared Sunfish Coinese Perch Falcula Busterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Butterflyfish Copperband Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Mounta Cichlid Velvet Black Lake Victoria Cichlid Johanni Cichlid Lake Malawi Cichlid Lake Malawi Cichlid Lake Malawi Cichlid Lyretail Lamprologus Colden Lamprologus Egyptian Mouthbrooder Zebra Mbuna	16 4 - 1 2 2 1 1 3 5 3 3 3 1 1 4 1 1 1 6 8 4 1 1 1 1 6 8 3 1 1 1 1 1 6 8 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2 6 1 1 1 4 - 1 1 6 4 7 6 3 1 4 - 2 2 2 5 2 5 3 1 5 2 5 3 1 5 3 3 1 5 3 3 1 5 3 3 3 3		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 1 3 1 3 1 1 3 3 2 1 1 1 1	Receive this armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Periophthalmus sp. Periophthalmus sp. Piereleotris evides Helostoma temmincki Gomphosus varius Ctenolabrus rupestris Labrus bergylta Labrus mutus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus imperator Pomacanthus paru Amphiprion akindynos Amphiprion ocellaris Chromis viridis Dascyllus aruanus Dascyllus marginatus Dascyllus mineus Dascyllus trimaculatus Pomacentrus alleni Meiacanthus onalenensis Premnas biaculeatus Pseudochromis diadema Anthias squamipiums Cephalopholis mineatus Cromileptis altivelis Serranus tabacorius Serranus tabacorius Serranus tortuganum Spanus auratus Spondyliosoma cantharus Toxotes jaculator Echischtys vipera	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Ballan Wrasse Cuckoo Wrasse Cuckoo Wrasse Green Wrasse Pyjama Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioclour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Prench Angelfish Blue-green Chromis White-tailed Humbug Marginate Damsel Black-tailed Humbug Domino/Three Spot Damsel Neon Damselfish Canary Blenry Maroon Clownfish Purple Flashback Lyntail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass Chalk Bass Gilthead Bream Black Sea Bream Archerfish Lesser Weever	16 4 1 11 4 1	1 10			2 1		3 15 14 22 5 3 
	Nerophis ophidion Syngnathus acus Hippocampus sp. Hippocampus sp. Hippocampus capensis Entelurus aequoreus  Cymnotiformes Electrophorus electricus  Lepisosteis orolatus Lepisosteus platorhincus Lepisosteus platostomus  Osteoglossiformes Gnathonemus ibus Notopterus chitala  Perciformes Naso lituratus Peracanthurus hepatus Zebrasoma flavescens Ctenopoma kingsleyae Apogon nematopterus Peropogon kauderns Belontia signata Betta splendens Colina chuna Colina lalia Macropodus opercularis Trichogaster trichogaster Blennius gattorugine Lipophrys pholis Pterosynchiropus splendidus Lepomis gibbonus Lepomis gibbonus Lepomis gulonus Lepomis megalotis Sintperca chuatsi Chaetodon falcula Chelmon rostratus Heniochus acuminatus Apistogramma cacatuoides Chromidotilapia guentheri Cyphotilapia frontosa Labrochromis regani Labeotropheus isp. Neochromis genwoodi Melanochromis phanni Melanochromis phanni Melanochromis phanni Melanochromis pinanni	Worm Pipefish Grester Pipefish Seahorse Krysna Seahorse Snake Pipefish  Electric Eel  Spotted Gar Florida Gar Shortnose Gar  Elephant-nose Fish Clown Knife Fish  Lipstick Tang Regal Tang Yellow Salifin Tang Kingsley's Climbing Perch Pyjama Cardinal Indonesian/Banggio Cardinal Fish Combtail Siamese Fighting Fish Honey Gourami Dwarf Gourami Paradise Fish Three-spot Gourami Tompot Blenny Shanny Mandarin Fish Pumpkinneed Warmouth Bass Orange-spotted Sunfish Long-eared Sunfish Chinese Perch Falcula Butterflyfish Copperband Butterflyfish Wimpole or Bannerfish Cockatoo Dwarf Cichlid Guenther's Mouthbrooder Blue-banded Cichlid Striped Julie Red-top Cichlid Madaganoar Cichlid Velvet Black Lake Victoria Cichlid Johanni Cichlid Makaya Cichlid Lake Malayai Cichlid Johanni Cichlid Lake Malayai Cichlid Lake Malayai Cichlid Johanni Cichlid Lake Malayai Cichlid	16 4 1 2 2 1 1 3 5 3 3 1 1 4 6 8 4 4 1 1 1 1 6 8 3 1 1 1 1 1 1 6 8 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	-100	4	2 6 1 1 1 4 - 1 1 6 4 7 6 3 1 4 - 2 2 2 5 2 5 3 1 5 2 5 3 1 5 3 3 1 5 3 3 1 5 3 3 3 3		7 11 4 2/2/32 1 1 2 2 1 1 3 1 3 1 3 2 1 1 3 1 3 2 1 1 3 1 3	Receive thus armatus Gobiodon citrinus Pomatoschistus microps Gobius niger Gobius paganellus Cheilinus sp. Periophthalmus sp. Labrosus varius Canolabrus rupestris Labrus bergita Labrus mutus Labrus viridis Pseudocheilinus hexataenia Symphodus melops Centrolabrus exoletus Bodiumus rufus Opistognathus aurifrons Datnioides quadrifanciatus Monodactylus argenteus Dicentrarchus labrax Chelon labrosus Parupeneus barberinoides Perca fluviatilis Stizostedion lucioperca Calloplesiops altivelis Pomacanthus imperator Pomacanthus paru Amphiprion ocellaris Chromis viridis Dascyllus marginatus Dascyllus marginatus Dascyllus minaculatus Pomacentrus allevi Meiacanthus onalenensis Premas biaculeatus Pomacentrus dilevi Meiacanthus onalenensis Premas biaculeatus Pseudochromis diadema Anthias squamipinnis Cephalopholis mincatus Cromileptis altivelis Serranus tabacorus Serranus tabacorus Serranus tabacorus Serranus toriuganum Sparus auratus Spondyliosoma cantharus Toxotes jaculator Echischtys viperu	Scarlet Hawkfish Saffion Goby Common Goby Black Goby Rock Goby Fire Tunkfish Mudskipper Torpedo Goby Kinsing Gourami Birdmouth Wrasse Goldsirny Wrasse Cleaner Wrasse Cleaner Wrasse Cleaner Wrasse Cuckoo Wrasse Green Wrasse Green Wrasse Corkwing Wrasse Corkwing Wrasse Rock Cook Spanish Hogfish Yellow-headed Jawfish Many-barred Tiger Fish Silver Fish Sea Bass Thick-lipped Grey Mullet Bioolour Goatfish Perch Zander or Pikeperch Marine Betta Emperor Angelfish French Angelfish Prench Angelfish Australian Clownfish Clownfish Blue-green Chromas White-tailed Humbug Marginate Dannel Black-tailed Humbug Domino Three Spot Dannel Black-tailed Humbug Domino Three Spot Dannel Neon Dannelfish Canary Blenny Maroon Clownfish Purple Flashback Lyretail Coralfish Red Grouper Polka-dot Groupen/Pantherfish Tobacco Bass Harlequin Bass Chalk Bass Gilthead Bream Black Sea Bream Archerfish Lesser Weever	16 4 1 11 4 1	1 10			2 1	12	3 15 14 22 5 3 

		1	2	3	4	5	6	7			1	2	3	4	5	6	7
Polypteriformes									Lamniformes								
Polypterus bichir	Polypterus	2			1	-		2	Scyliorhinus canicula Scyliorhinus stellaris	Spotted Dogfish Bull Huss or Nurse Hound	7	5		33	4		8
Polypterus delhezi	Polypterus	1	7	*	5	1	*		Scynormina menaris	Then these or tyring thousan						-	
Polypterus palmas	Polypterus Polypterus	2						2	Rajiformes								
Polypterus retropinnis Polypterus senegalus	Polypterus	î			-			1	Potamotrygon sp.	Freshwater Stingray	7			*	1	4	2
Polypterus weeksi	Polypterus	1						1	Raja clavata	Thornback Ray	1	2		*	-		3
									Raja undulata	Spotted Ray	1	-	*		-	*	1
Salmoniformes									Raja montagui Raja macroocellata	Spotted Ray Painted Ray	-	2			2		2
Esox lucius	Pike	1	1.	*	+		-	1	гада мастоосинна	Patition Ray	- 6	•	-		7		•
Oncorhynchus mykiss	Rainbow Trout	9	13		*	1	9	12			37.803	4011	3200		103901		1500300
Salmo trutta	Brown Trout		-		-		-			Total: Fishes	2739	511	633	*	846	246	2791
Scorpaeniformes										plus 1 colony							
Trigla lucerna	Tub Gurnard	9	5		+	8		6									
Hypodes rubripinnis	Velvetfish	4			+	3		1									
Cottus gobio	Miller's Thumb	5	*	*	+	5		*	INVERTEBRATES								
Taurulus bubalis Pterois volitans	Sea Scorpion Dragonfish	12	3			12		,	Key to columns for Inv	vertebrates:							
Ligroid southern	Disgotamo		-						column 1 Arriva								
Siluriformes										Hatchings							
Pelteobagrus brashrskowi	Amur Dragon Catfish	11			+	6	-	5	column 3 Death column 4 Depart								
Corydoras aeneus	Bronze Catfish	11			*	4	*	7		er at end of year of Young/Eggs (na=not appl	icable, nr	not reco	orded)				
Corydonas elegans	Elegant Corydonas	5			*			4		er at end of year of Adult Males/Adult Fem				ender or	without	gender, o	a unuper
Corydoras haraldschultzi Corydoras melanistius	Corydoras Black Dorsal Catfish	2				2			coloni								
Corydoras nattereri	Blue Catfish	3					-	3		Unit: 1=Adult numbers represent exact nur ers are approximate. C=Numbers represent ex				g and th	ggs may	be estim	used. A=/
Corydoras paleatus	Peppered Catfish	19			+	2	+	17		stion Status M-Maintaining B-Breeding				acquired	species.	nr-No	t recorded
Corydoras panda	Panda Catfish	1	+		+	1	+	4		ot applicable.							
Corydonas trilineatus	Leopard Catfish	1	*		*		+	1									
Corydoras undulatus	Wavy Catfish	10	*	*	10	2	+	8			-		~	100		40	7.0
Hoplosternum littorale Agamyxis pectinifrons	Hoplosternum Catfish Spotted Doras Catfish	i	4					i	unveniencenes held in the liv	vertebrate Conservation Centre		*	3	•	3	9	7/8
Platydoras costatus	Striped Doras	1			+		1		CNIDARIA								
Heteropneustes fossilis	Stinging Catfish	2		-	+		4	2	Scyphozoa								
Ameiurus melas	Black Bullhead Catrish	1	*		*	1		-	Cassiopeia sp.	Upside-down Jellyfish	41	ne	ter	+	ne/ne	0/0/42	I/M
Ameiurus nebulosus	Brown Bullhead Catfish Bristle-nosed Catfish	1		2/	*		-	1									
Ancistrus sp. Otocinclus affinis	Dwarf Sucker Catfish	8	-			3		5	ANNELIDA								
Pterygophichthys gibbiceps	Sailfin Plecostomus	8				1	1	6	Hirudinea	Madisipal Franch	141	12	12	150	2/0	0/0/0	104
Synodontis angelicus	African Spotted Catfish	1		+:	+	-	+	1	Hirudo medicinalis (RT) Hirudinaria manillensis	Medicinal Leech Asian Buffalo Leech	13	12	17	12	2/0		1/ms
Synodontis clarias	Red-tailed Synodontis	1	*		4			1	THE PARTY OF PROPERTY OF	. William I will be the count					-		316
Synodontis multipunctatus	Cuckoo Catfish	3				2	+	1	MOLLUSCA								
Synodontis sp.	Synodontis	4	*	*3	*	1	*	3	Gastropoda								
Tetradontiformes									(figures reported for Partials	and Samoana spp. are for the end of the ye							10.
Rhinecanthus assast	Arabian Picasso Triggerfish	1						1	Partula affinis (CR)	Polymenian Tree Small			*	73		0/0/5	
Arothron sp.	Small Spotted Pufferfish		1					1	Partula clara (CR) Partula dentifera (EW)	Polymesian Tree Snail Polymesian Tree Snail						0/0/143	
Arothron hispidus	Striped-belly Pufferfish	1	*			1	+	*	Partula faba (EW)	Polymenian Tree Snail						0/0/62	
Arothron diademus	Masked Pufferfish		1			*		1	Partula gibba (CR)	Polymesian Tree Snail	-		-	-	12/ma		
Arothron stellatus	Spotted Pufferfish Black Spotted Pufferfish	1	2		-	1		2	Partula hebe bella (EW)	Polynesian Tree Snail	4			*	10/ma	0/0/11	IM
Arothron nigropunctatus Arothron mappa	Scribbled Toadfish		î					1	Partula hyalina (CR)	Polymesian Tree Snail				-	1/na	0/0/8	
ar con an anappa								7	Partula labrusca (EW)	Polymesian Tree Snail	-		30	30	28/ma	0/0/23	
CHONDRICHTHYES									Partula mirabilis x taeniati Partula mooreana (EW)	u Polymesian Tree Snail hybrids Polymesian Tree Snail		-			O/na 15/na	0/0/42	
Carcharhiniformes									Partula nodosa (EW)	Polymesian Tree Snail					2/na	0/0/5	
	Black-tipped Reef Shark	2	-	+.	+/-	7		2	Partula otaheitana (EW)	Polymesian Tree Snail	-		-	-	6/na	0/0/12	I/D
Carcharkinus melanopterus	many-replaced traver commercial	-															
Carcharkinus melanopterus	and the state of t	-															
Carcharkinus melanopterus	some approximation	6															
Carcharhinus melanopterus	and appearance and																26
Carcharhinus melanopterus	and the state of t			_													
Carcharhinus melanopterus	2000-1970-2000	1	1	,	-	5	6	7/8			1	2	3		5	6	26
Carcharhinus melanopterus		1	2	3	4	5					1	2	3		-		7/8
Carcharhinus melanopterus  Partula radiolata (CR)	Polynesian Tree Snail	1	2	3	4		0071	1/B	Heterometrus sp.	Indian Scorpion	1 11 15	2	1	•	5 7/0 0/0	6 00/3 0/0/2	7/8 I/N
Partula radiolata (CR) Partula resea (CR)	Polynesian Tree Snail Polynesian Tree Snail	1	2		4	0/na	0/0/11	I/B I/na	Heterometrus sp. Euscorpius flavicaudus	Indian Scorpion European Scorpion	1 11 15	2	3 1 13	-	7/0	0/0/3	7/8 I/N
Partula rudiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW)	Polynesian Tree Snail Polynesian Tree Snail Polynesian Tree Snail	1	2	3	4	0/na 144/na	0/0/11 0/0/0 0/0/129	I/B I/na I/B	Euscorpius flavicaudus	The state of the s		2	1	-	7/0	0/0/3	7/8 I/N I/D
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vecellum (EW)	Polynesian Tree Snail Polynesian Tree Snail Polynesian Tree Snail Polynesian Tree Snail	1	2		•	0/na 144/na	0/0/11	I/B I/na I/B I/M		The state of the s		2	1	-	7/0	0/0/3	7/8 I/N I/D
Partula radiolata (CR) Partula resea (CR) Partula seturalis strigosa (EW) Partula suturalis venillum (EW) Partula suturalis mixed ssp.	Polynesian Tree Snail Polynesian Tree Snail Polynesian Tree Snail	1	2		4	0/na 144/na 158/na 1/na 7/na	0/0/11 0/0/0 0/0/129 0/0/129 0/0/4 0/0/0	I/B I/na I/B I/M I/D I/M	Euscorpius flavicaudus Solifugae Galeodes sp	European Scorpion		2	1	-	7/0	0/0/3	7/8 I/N I/D
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vecellum (EW)	Polynesian Tree Snail		2		4	0/na 144/na 158/na 1/na 7/na 99/na	0/0/11 0/0/0 0/0/125 0/0/126 0/0/4 0/0/0 0/0/66	L/B L/na L/B L/M L/D L/M L/D L/M L/D	Euscorpius flavicaudus  Solifugae Galeodes sp  MYRIAPODA	European Scorpion		2	1	-	7/0	0/0/3	7/8 I/N I/D
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis mixel sep. Partula suturalis mixel sep. Partula taeniata nucleola Partula tohtveana (EW) Partula tristis (EW)	Polynesian Tree Snail	1	2			0/na 144/na 158/na 1/na 7/na 99/na 23/na	0/0/11 0/0/0 0/0/129 0/0/126 0/0/4 0/0/6 0/0/66	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B	Solifugae Galeodes sp  MYRIAPODA Chilopoda	European Scorpion  Egyptian Soliduge		2	1	-	7/0	0/0/3	7/8 I/N I/D
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis misel sup. Partula suturalis mucleola Partula tonniata nucleola Partula tonniata (EW) Partula tristis (EW) Partula turneri	Polynesian Tree Snail		2			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na	0/0/11 0/0/0 0/0/125 0/0/125 0/0/4 0/0/6 0/0/66 0/0/24 0/0/2	L/B L/ns L/B L/M L/D L/M L/D L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea	European Scorpion  Egyptian Soliduge  Giant Centipede		2	1	-	7/0 0/0	0/0/3 0/0/2 0/0/2	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis vezilium (EW) Partula suturalis mixed ssp. Partula toeniata nucleola Partula toinveana (EW) Partula tristis (EW) Partula turneri Partula varia (CR)	Polynesian Tree Snail		2			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na	0/0/11 0/0/0 0/0/129 0/0/126 0/0/4 0/0/6 0/0/66	UB Una UB UM UD UM UD UM UD UM UD UM UD UB UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda	European Scorpion  Egyptian Soliduge		2	1	-	7/0 0/0 0/0	0/0/3 0/0/2 0/0/2	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis misel sup. Partula suturalis mucleola Partula tonniata nucleola Partula tonniata (EW) Partula tristis (EW) Partula turneri	Polynesian Tree Snail		2			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 128/na	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/4 0/0/0 0/0/66 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4	UB Una UB UM UD UM UM UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede	15	2	1	-	7/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2	7/8 I/N I/D I/M I/M
Partula rusholata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis rosea (EW) Partula suturalis mixed ssp. Partula taeniata nucleola Partula tohista sukuralis (EW) Partula tristis (EW) Partula torieri Partula varia (CR) Samoana attenusta (EN)	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail		2			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 128/na 0/na 8/na 8/na	0/0/11 0/0/0 0/0/129 0/0/126 0/0/4 0/0/2 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4 0/0/4	L/B L/ns L/B L/M L/D L/M L/D L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Juleus sp.	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede		2	1 13 1		7/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/1 0/0/0	7/8 I/N I/D I/M I/M I/M I/M I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis vecillom (EW) Partula suturalis mixed ssp. Partula taentata mucleola Partula tohiveana (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva Os 1) Trochomorpha sp.	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Trochomorph Snail		2			O/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 128/ma 8/ma 8/ma 8/ma 8/ma	0/0/11 0/0/0 0/0/129 0/0/126 0/0/4 0/0/2 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4 0/0/4 0/0/4	L/B L/ns L/D L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp.	European Scorpion  Egyptian Solidiage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede	15		1 13 1	-	7/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/1 0/0/0 6/7/0 0/0/0	7/8 I/N I/D I/M I/M I/M I/ma
Partula radiolata (CR) Partula resea (CR) Partula subralis strigosa (EW) Partula subralis vecillom (EW) Partula subralis mixed ssp. Partula taeniata nucleola Partula tohiveana (EW) Partula tristis (EW) Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail	1 4 5	2			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 128/na 0/na 8/na 8/na	0/0/11 0/0/0 0/0/129 0/0/126 0/0/4 0/0/2 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4 0/0/4 0/0/4	L/B L/ns L/B L/M L/D L/M L/D L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra giganiea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede	15	2	1 13 1		7/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/1 0/0/0 6/7/0 0/0/0	7/8 L/N L/D L/M L/ma L/ma L/ma A/B
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis mixed ssp. Partula teeniata nucleola Partula tohtveana (EW) Partula toristis (EW) Partula toristis (EW) Partula torneri Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hivs Os 1) Trochomorpha sp. Liardetia normalis Achatina achatina	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Oignt Land Snail	1	2			O/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 128/na 0/na 8/na 3/na 20/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/4 0/0/2 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4	L/B L/ns L/D L/D L/M L/D L/B L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp.	European Scorpion  Egyptian Solidiage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede	15	er.	1 13 1		7/0 0/0 0/0 0/0 0/0 0/0 0/0 800/isr o/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0	7/8 I/N I/D I/M I/M I/M I/ma I/M I/ma I/M I/ma I/M I/ma I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vexillum (EW) Partula suturalis mixel ssp. Partula toeniata nucleola Partula toiniata nucleola Partula tristis (EW) Partula turneri Partula varia (CR) Samoana attenusta (EN) Samoana stenusta (EN) Samoana spellula Samoana sp. (Hiru On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail	1	22			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 8/na 8/na 3/na 3/na 20/0 0/0 nz/nz 9/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/24 0/0/2 0/0/77 0/0/5 0/0/4 0/0/4 0/0/4 0/0/4 0/0/0 0/0/4 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 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 0 0 0 0/0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	L/B L/na L/B L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes	European Scorpion  Egyptian Solidiage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede	15 2 1	nr nr	1 13 1		7/0 0/0 0/0 0/0 0/0 0/0 800/inr ne/far	0/0/3 0/0/2 0/0/2 0/0/1 0/0/0 6/7/0 0/0/0 0/0/0 0/0/30	7/8 I/N I/D I/M I/M I/M I/ma I/M I/ma I/M I/ma I/M I/ma I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis mixed ssp. Partula teeniata nucleola Partula tohtveana (EW) Partula toristis (EW) Partula toristis (EW) Partula torneri Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hivs Os 1) Trochomorpha sp. Liardetia normalis Achatina achatina	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Ciant Land Snail Ciant Land Snail West African Ciant Land Snail Land Snail	1	er er			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 20/0 0/0 mz/mz 9/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/2 0/0/2 0/0/2 0/0/2 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/0 0/0/4 0/0/0 0/0/4	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede	15 2 1		1 13 1 1 1 1 3 16 mr mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 800/isr o/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0	7/8 I/N I/D I/M I/M I/M I/ma I/M I/ma I/M I/ma I/M I/ma I/M
Partula radiolata (CR) Partula suturalis strigosa (EW) Partula suturalis strigosa (EW) Partula suturalis vecillum (EW) Partula suturalis mixed ssp. Partula toniata nucleola Partula toniata nucleola Partula toniata (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana obliula Samoana sp. (Hiva Os 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fullica Archachatina marginata Asperitus sp. Euglandina rosea	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail	1	22			0/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 8/na 8/na 8/na 3/na 20/0 0/0 nz/nz 9/0 0/0 30/0 30/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/12 0/0/14 0/0/2 0/0/24 0/0/2 0/0/77 0/0/3 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/2 0/0/4 0/0/4 0/0/4 0/0/2 0/0/4 0/0	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unsdentified species INSECTA	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede	15 2 1		1 13 1 1 1 1 3 16 mr mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 800/isr o/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0	7/8 I/N I/D I/M I/M I/M I/ma I/M I/ma I/M I/ma I/M I/ma I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vecillum (EW) Partula suturalis mixed ssp. Partula taenista nucleola Partula tohtwana (EW) Partula tohtwana (EW) Partula torneri Partula torneri Partula varia (CR) Samoana attenusta (EN) Samoana attenusta (EN) Samoana sp (Hivs On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Ciant Land Snail Ciant Land Snail West African Ciant Land Snail Land Snail Predatory Snail Mega Snail	1	er re - re			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 20/0 0/0 mz/mz 9/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/24 0/0/2 0/0/24 0/0/2 0/0/2 0/0/4 0/0/4 0/0/4 0/0/4 0/0/0 0/0/0 0/0 0/0 0/0/0 0/0 0/0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0/0 0 0/0 0/0 0/0 0 0/0 0/0 0 0/0 0/0 0/0 0 0/0 0 0/0 0 0/0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species INSECTA Orthoptera	European Scorpion  Egoptian Solidiage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede	15 2 1		1 13 1 1 1 1 3 16 mr mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 800/isr o/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0	7/8 I/N I/D I/M I/M I/M I/ma I/ma I/ma I/ma I/ma I/ma I/ma I/ma
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vecillum (EW) Partula suturalis mixed ssp. Partula taeniata nucleola Partula tohtwana (EW) Partula tristis (EW) Partula terneri Partula terneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachtaina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail	1	er er			0/na 144/na 158/na 1/ns 7/na 99/na 23/na 10/na 10/na 8/na 8/na 8/na 8/na 8/na 9/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/2 0/0/4 0/0/	L/B L/ns L/B L/D L/D L/B L/D L/B L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unsdentified species INSECTA	European Scorpion  Egoptian Solidiage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede	15 2 1		1 13 1 1 1 3 16 mr mr mr		7/0 0/0 0/0 0/0 0/0 0/0 800/inr 0/0 800/inr 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/4	7/8 I/N I/D I/M I/M I/ma I/ma A/B I/B I/D I/N I/ma
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vecillum (EW) Partula suturalis mixed ssp. Partula taenista nucleola Partula tohtwana (EW) Partula tohtwana (EW) Partula torneri Partula torneri Partula varia (CR) Samoana attenusta (EN) Samoana attenusta (EN) Samoana sp (Hivs On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Ciant Land Snail Ciant Land Snail Ciant Land Snail Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail	1	es es es es es es es			0/ma 144/ma 158/ma 1/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 3/ma 20/0 0/0 mz/mz 9/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/4 0/0/	L/B L/ns L/B L/D L/D L/B L/D L/B L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Juleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species Unidentified species INSECTA Orthoptera Gryflotalpa gryflotalpa (R. Schistocerca gregaria Gryflus bimaculatus	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket	15 2 1 14 		1 13 1 1 1 1 3 16 mr mr mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/4	7/8 I/N I/D I/M I/M I/M I/ma I/ma I/ma I/ma I/ma I/ma I/ma I/ma
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vexillum (EW) Partula suturalis nucleola Partula toeniata nucleola Partula toistis (EW) Partula turneri Partula turneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana spellula Samoana sp. (Hiru On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina achatina Achatina pilica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail Head Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/2 0/0/4 0/0/	L/B L/ns L/B L/D L/D L/B L/D L/B L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentified species Unidentified species Unidentified species Gryllus pulchripes Gryllus gryllotalpa (R Schistocerca gregaria Gryllus bimaculatus Gryllus campestris (RT)	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornhasan Train Millipede Fire Millipede Malaysian Giant Millipede  T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket	15 2 1 1		1 13 1 1 1 1 3 16 nr nr nr nr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/4	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vexillum (EW) Partula suturalis mucleola Partula toeniata nucleola Partula toinista (EW) Partula tristis (EW) Partula turneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana stellula Samoana sp. (Hiru On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina philica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa CRUSTACEA	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail Head Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/2 0/0/4 0/0/	L/B L/ns L/B L/D L/D L/B L/D L/B L/M L/D L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentified species Unidentified species Unidentified species Gryllotalpa gryllotalpa (R Schistocerca gregaria Gryllus bimaculatus Gryllus compestris (RT) Pholeogryllus geertsi	European Scorpion  Egyptian Soliduge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbassan Train Millipede Fire Millipede Malaysian Giant Millipede  T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket	15 2 1 14 		1 13 1 1 1 1 3 16 mr mr mr mr mr		7/0 0/0 0/0 0/0 0/0 0/0 800/ins notice 0/0 800/0 800/0 245/0 225/0	0/0/3 0/0/2 0/0/2 0/0/2 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 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vezilium (EW) Partula suturalis mixed ssp. Partula toeniata nucleola Partula toitius (EW) Partula toitius (EW) Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana ottenuata (EN) Samoana stellula Samoana sp. (Hira On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina pulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa CRUSTACEA Malacostraca	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tabitian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Varuatu Tree Snail Fregate Island Enid Snail Apple Snail	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 8/ma 20/0 0/0 mg/mr 9/0 0/0 7/0 7/0 107/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 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 0/0/1 0/0/1 0/0/1 0/0/1	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species Unidentified species Unidentified species Gryflotalpa gryflotalpa (R Schistocerca gregaria Gryflus bimaculatus Gryflus compestris (RT) Pholeogryflus geertsi Decticus verrucivorus (RT)	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket	15 2 1 14 		1 13 1 1 1 1 3 16 nr nr nr nr		7/0 0/0 0/0 0/0 0/0 0/0 800/ins notice 0/0 800/0 800/0 245/0 225/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/4	I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis strigosa (EW) Partula suturalis vexillum (EW) Partula suturalis mixed ssp. Partula tonista mucleola Partula tonista (EW) Partula tristis (EW) Partula tristis (EW) Partula toneri Partula varia (CR) Samoana attenuata (EN) Samoana otellula Samoana spellula Samoana spellula Samoana spellula Achatina achatina Achatina achatina Achatina fulica Archachatina marginala Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro	Polynesian Tree Snail Object Tree Snail Tabitian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Ciant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/2 0/0/4 0/0/	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species INSECTA Orthoptera Gryllus lomaculatus Gryllus campestris (RT) Phologryllus geertsi Decticus verrucivorus (RT) Hemideina crassidens	European Scorpion  Egyptian Soliduge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbassan Train Millipede Fire Millipede Malaysian Giant Millipede  T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket	15 2 1 1 - - - - - - - - - - - - - - - - -		1 13 1 1 1 1 3 16 mm mm mm mm mm mm mm mm mm mm mm mm mm		7/0 0/0 0/0 0/0 0/0 0/0 800/ins 10/0 80/0 50/0 245/0 225/0 0/436/0	0/0/3 0/0/2 0/0/2 0/0/2 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 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 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	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis venillum (EW) Partula suturalis mixed ssp. Partula taentata nucleola Partula taentata nucleola Partula toristis (EW) Partula tristis (EW) Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva Oa 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tabitian Tree Snail Tabitian Tree Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Varuatu Tree Snail Fregate Island Enid Snail Apple Snail	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 20/0 0/0 0/0 30/0 2/0 7/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/2 0/0/2 0/0/2 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 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 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0	L/B L/ns L/D L/D L/D L/D L/B L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species Unidentified species Unidentified species Gryflotalpa gryflotalpa (R Schistocerca gregaria Gryflus bimaculatus Gryflus compestris (RT) Pholeogryflus geertsi Decticus verrucivorus (RT)	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombiasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta	15 2 1 1 - - - - - - - - - - - - - - - - -		1 13 1 1 1 1 3 16 mm mm mm mm mm mm mm mm mm mm mm mm mm		7/0 0/0 0/0 0/0 0/0 0/0 800/nr nn/nz 0/0 800/nr nn/nz 0/0 800 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 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 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 0 0 0 0 0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis strigosa (EW) Partula suturalis vexillom (EW) Partula suturalis mixed ssp. Partula tonista mixed ssp. Partula tonista (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva Oa 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina marginala Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Ciant Land Snail Ciant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab	1	nr nr nr - nr -140			0/na 144/na 158/na 1/na 7/na 23/na 10/na 8/na 8/na 8/na 8/na 8/na 8/na 8/na 8	0/0/11 0/0/0 0/0/12/5 0/0/12/5 0/0/12/6 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/5 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0 0/0 0/0 0/	L/B L/ns L/D L/D L/D L/D L/B L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species INSECTA Orthoptera Gryllus lomaculatus Gryllus campestris (RT) Phologryllus geertsi Decticus verrucivorus (RT) Hemideina crassidens	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biler Cricket Wellington Tree Weta Giant South American Grasshoppe	15 2 1 1 - - - - - - - - - - - - - - - - -	- nr nr nr 5412	1 13 1 1 1 1 3 16 mr mr mr 1301 mr 1301 mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/1 0/0/0 0/0/0 0/0/0 0/0/0 0/0/1 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 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 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 0 0 0	7/8 I/N I/D I/M I/M I/M I/ma I/M I/ma I/M I/ma I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis suciellum (EW) Partula suturalis mixed ssp. Partula taeniata nucleola Partula tohiveana (EW) Partula toristis (EW) Partula toristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva Oa 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginala Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Ciant Land Snail Ciant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab	1	nr nr nr - nr -140			0/na 144/na 158/na 1/na 7/na 23/na 10/na 8/na 8/na 8/na 8/na 8/na 8/na 8/na 8	0/0/11 0/0/0 0/0/12/5 0/0/12/5 0/0/12/6 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/5 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0 0/0 0/0 0/	L/B L/ns L/D L/D L/D L/D L/B L/M L/D L/B L/M L/B L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-brier Cricket Wellington Tree Weta Giant South American Grasshoppe	15 2 1 1 - - - - - - - - - - - - - - - - -		1 13 1 1 1 1 3 16 mm mm mm mm mm mm mm mm mm mm mm mm mm		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0 0 0/0 0 0/0 0 0/0 0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis vecillum (EW) Partula tueniata nucleola Partula tohtveana (EW) Partula tueneri Partula varia (CR) Samoana attenusta (EN) Samoana bellula Samoana sp. (Hiru On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Gient Land Snail Gient Land Snail Gient Land Snail Fredatory Snail Mega Snail Væniatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab African Blue River Crab	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/12 0/0/12 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	I/B I/ns I/B I/M I/D I/B I/M I/B I/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Mornbassan Train Millipede Mornbassan Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshopp	15 2 1 1 - - - - - - - - - - - - - - - - -	- mr mr mr 5412 mr 54	1 13 1 1 1 1 3 16 16 17 17 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 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 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0 0/0/0 0 0/0 0/0 0 0/0 0/0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0 0/0 0 0 0/0 0 0 0/0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigona (EW) Partula suturalis vexillum (EW) Partula suturalis unixel ssp. Partula toeniata nucleola Partula toinisa (EW) Partula tristis (EW) Partula turneri Partula varia (CR) Samoana attenuata (EN) Samoana stellula Samoana sp. (Hiru On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina achatina Achatina achatina Achatina pilica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila madagascariensis	Polynesian Tree Snail Tabstian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tabstian Tree Snail Tabstian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab African Blue River Crab	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 3/ma 8/ma 3/ma 9/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/2 0/0/2 0/0/2 0/0/2 0/0/4 0/0/4 0/0/4 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 0/0/0 0/0/0 0/0/0	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-brier Cricket Wellington Tree Weta Giant South American Grasshoppe	15 2 1 1 - - - - - - - - - - - - - - - - -	- nr nr nr 5412	1 13 1 1 1 1 3 16 mr mr mr 1301 mr 1301 mr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0 0 0/0 0 0/0 0 0/0 0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula resea (CR) Partula suturalis strigosa (EW) Partula suturalis vextillum (EW) Partula suturalis vextillum (EW) Partula tentiata mucleola Partula tentiata mucleola Partula tentiata mucleola Partula tentiata (EW) Partula tenteri Partula tenteri Partula tenteri Partula tenteri Partula varia (CR) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Frestal West African Giant Land Snail Land Snail West African Giant Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider	1	nr nr nr - nr -140			O/na 144/na 158/na 1/na 7/na 99/na 23/na 10/na 8/na 8/na 3/na 3/na 8/na 3/na 0/na 8/na 0/na 8/na 0/na 8/na 0/na 8/na 0/na 0/na 0/na 0/na 0/na 0/na 0/na 0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 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	L/B L/na L/B L/M L/D L/M L/D L/M L/D L/M L/D L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Mornbassan Train Millipede Mornbassan Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshopp	15 2 1 1 - - - - - - - - - - - - - - - - -	- mr mr mr 5412 mr 54	1 13 1 1 1 1 3 16 16 17 17 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 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 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0 0/0/0 0 0/0 0/0 0 0/0 0/0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0 0/0 0 0 0/0 0 0 0/0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula taentata nucleola Partula tontera (EW) Partula toneri Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana opellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregotensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Ciant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spi	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 3/ma 8/ma 3/ma 9/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/2 0/0/2 0/0/2 0/0/2 0/0/4 0/0/4 0/0/4 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 0/0/0 0/0/0 0/0/0	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species Unidentified species  INSECTA Orthoptera Gryllostalpa gryllotalpa (R. Schistocerca gregaria Gryllus tomaculatus Gryllus compestris (RT) Phologryllus geertsi Decticus verrucivorus (RT Hemideina crassidens Tropidacris violaceus  Blattodea Gromphadorhina portente Periplaneta americana Periplaneta australasiae  Mantodea	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornbasan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshopp  Malagary Hissing Cockroach American Cockroach Asstralian Cockroach Asstralian Cockroach African Praying Mantia	15 2 1 1 - - - - - - - - - - - - - - - - -	- mr mr mr 5412 mr 54	1 13 1 1 1 1 3 16 16 17 17 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19		7/0 0/0 0/0 0/0 0/0 0/0 800/nr nn/nr 0/0 800/nr nn/nr 0/0 80/0 50/0 245/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/3 0/0/0/3 0/0/0/3 0/0/0/3 0/0/0/3 0/0/0/3 0/0/0/3 0/0/0/0 0/0/0/0 0/0/0 0/0/0 0/0/0 0/	7/8 I/N I/D I/M I/M I/ma I/ma I/ma I/ma I/ma I/ma I/ma I/ma
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis unixed sup. Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata (EW) Partula taristis (EW) Partula taristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina filica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum Brachypelma auratum Brachypelma pallidum	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Frestal West African Giant Land Snail Land Snail West African Giant Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/24 0/0/2 0/0/24 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 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	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Granshoppe  Malagary Hissing Cockroach American Cockroach American Cockroach	15 2 1 1 - - - - - - - - - - - - - - - - -		1 13 1 1 1 1 3 16 16 17 17 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19		7/0 0/0 0/0 0/0 0/0 800/hr ne/faz 0/0 800/hr ne/faz 0/0 0/0 80/0 50/0 245/0 225/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/3 0/0/0/3 0/0/0/3 0/0/0/3 0/0/3 0/0/3 0/0/0/3 0/0/0/3 0/0/3 0/0/0/3 0/0/0/0 0/0/0/0 0/	7/8 I/N I/D I/M I/M I/ma I/ma I/ma I/ma I/ma I/ma I/ma I/ma
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Partula radiolata (CR) Partula suturalis strigosa (EW) Partula suturalis vexillum (EW) Partula suturalis vexillum (EW) Partula suturalis mixed sap. Partula toniata nucleola Partula toniata nucleola Partula toniata (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana otellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina filica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma amithi Brachypelma emilia	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tabitian Trochomorph Snail Tabitian Trochomorph Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Varuatu Tree Snail Fregate Island Enid Snail Apple Snail  Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-rumped Bird-eating Spider Red-rumped Bird-eating Spider Branlian Bird-eating Spider	1	nr nr nr - nr -140			0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 3/ma 8/ma 3/ma 8/ma 3/ma 8/ma 3/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 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 0/0/2 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 0	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seyubelles Giant Millipede Mombassan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshopp  Malagasy Hissing Cockroach American Cockroach Australian Cockroach Anterioan Praying Mantis Chinese Praying Mantis	15 2 1 1	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 1 1 1 1 3 1 6 nr nr nr 1301 nr		7/0 0/0 0/0 0/0 0/0 0/0 800/nr nn/nr 0/0 800/nr nn/nr 0/0 80/0 50/0 245/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0/0 0 0/0/0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 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 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 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 0 0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigona (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula tentiata mucleola Partula tohiveana (EW) Partula toristis (EW) Partula toristis (EW) Partula toristis (EW) Partula toristis (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Aruneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum Brachypelma emilia Brachypelma emilia Brachypelma vagans Lasiodora parahybana Avicularia avicularia	Polynesian Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Variator Tree Snail Fregate Island Enid Snail Apple Snail Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Rod-kneed Bird-eating Spider Rod-legged Bird-eating Spider Red-rumped Bird-eating Spider Brazilian Bird-eating Spider Prink-toed Bird-eating Spider	1	nr nr nr - nr -140		9	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 8/ma 8/ma 20/00 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/124 0/0/2 0/0/24 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 0/0/1 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0/2 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 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/	L/B L/na L/D L/M L/D L/M L/D L/M L/D L/M L/D L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iulius sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshopp  Malagasy Hissing Cockroach American Cockroach American Cockroach Anterican Cockroach Anterican Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect	15 2 1 1	- mr mr s412 mr s4	1 13 1 1 1 1 3 16 16 17 17 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/2 0/0/0 0/0/2 0/0/0 0/0/2 0/0/2 0/0/0 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 0 0/0/0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 0 0/0 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis mixed sup. Partula taeniata mucleola Partula taeniata (EW) Partula tristis (EW) Partula taeniata (EN) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina filica Archachatina marginala Asperitus ap Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum Brachypelma auratum Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma pallidum Brachypelma parahybana Avicularia avicularia Metriopelma sp.	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Ciant Land Snail West African Giant Land Snail Land Snail West African Giant Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-eating Bird-eating Spider Brazilian Spider Brid-eating Spider	1	nr nr nr - nr -140		9	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 3/ma 8/ma 3/ma 8/ma 3/ma 8/ma 3/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 8/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0/ma 0	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 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 0/0/2 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 0	L/B L/na L/D L/M L/D L/M L/D L/M L/D L/M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentif	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seyubelles Giant Millipede Mombassan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshopp  Malagasy Hissing Cockroach American Cockroach Australian Cockroach Anterioan Praying Mantis Chinese Praying Mantis	15 2 1 1		1 13 1 1 1 1 3 16 nr nr nr 1301 nr		7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/1 0/0/0	7/8 I/N I/D I/M
Partula radiolata (CR) Partula suburalis strigona (EW) Partula suburalis strigona (EW) Partula suburalis mixed sup. Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata (EW) Partula taeniata (EW) Partula taeniata (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina filica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma pallidum Brachypelma pallidum Brachypelma avacularia Metriopelma sp. Poecilotheria regalis	Polynesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Marquesian Tree Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail  Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-eating Spider Red-eating Spider Prix-toed Bird-eating Spider Bird-eating Spider Prix-toed Bird-eating Spider Bird-eating Spider	1	nr nr nr - nr -140		9	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 3/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/12/5 0/0/12/5 0/0/12/6 0/0/24 0/0/2 0/0/24 0/0/2 0/0/2 0/0/2 0/0/2 0/0/3 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/4 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/0 0/0/0 0/0/0 0/0/	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentified species Unidentified species  INSECTA Orthoptera Gryllotalpa gryllotalpa (R. Schistocerca gregaria Gryllus bimaculatus Gryllus campestris (RT) Pholeogryllus geertsi Decticus versuctvorus (RT Hemideina crassidens Tropidacris violaceus  Blattodea Gromphadorhina portente Periplaneta americana Periplaneta australasiae  Mantodea Sphodromantus sp. Tenodera sp.  Phasmatodea Acrophylla wuelfingi Eurycantha calcarata Extatosoma tiaratum Heteropteryx dilatata	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seyubelles Giant Millipede Mombasan Train Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshoppe  Malagary Hissing Cockroach American Cockroach Australian Cockroach Australian Cockroach Anterioan Cockroach Anterioan Spiry Stick Insect Indonesian Spiry Stick Insect	15 2 1 14 - - - - - - - - - - - - - - - - -		1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 I/N I/D I/M
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis mixed sap. Partula taeniata nucleola Partula tohtveana (EW) Partula tohtveana (EW) Partula tohtveana (EW) Partula torneri Partula varia (CR) Samoana attenuata (EN) Samoana attenuata (EN) Samoana spilula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina filica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum Brachypelma auratum Brachypelma pallidum Brachypelma pallidum Brachypelma pallidum Brachypelma emilia Brachypelma suratum Brachypelma auratum Brachypelma suratum Brachypelma suratum Brachypelma suratum Brachypelma suratum Brachypelma sp. Poecslotheria regalis Poecslotheria regalis Poecslotheria subfusca	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Ciant Land Snail West African Giant Land Snail Land Snail West African Giant Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-eating Bird-eating Spider Brazilian Spider Brid-eating Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/13	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentif	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seysthelles Giant Millipede Mornhanam Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshoppe  Malagasy Hissing Cockroach American Cockroach American Cockroach American Cockroach Antiralian Cockroach African Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spury Stick Insect Maclesy's Spectre Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect	15 2 14	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0/2 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 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0 0/0 0/	7/8 I/N I/D I/M
Partula radiolata (CR) Partula suburalis strigona (EW) Partula suburalis strigona (EW) Partula suburalis mixed sup. Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata (EW) Partula taeniata (EW) Partula taeniata (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma auratum Brachypelma pallidum Brachypelma avarutus Brachypelma avarutus Brachypelma vacularia Metriopelma sp. Poecilotheria regalis	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tabitian Trochomorph Snail Tabitian Trochomorph Snail Tabitian Trochomorph Snail Tabitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Variatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Rod-kneed Bird-eating Spider Red-cating Spider Brailian Bird-eating Spider Brailian Bird-eating Spider Brailian Bird-eating Spider Brid-eating Spider Pink-toed Bird-eating Spider Bird-eating Spider Sri Lankan Omamental Spider Sri Lankan Omamental Spider Indian Tiger Spider North American Black Widow Spi	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 128/ma 0/ma 8/ma 3/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/13	UB Una UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentif	European Scorpion  Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Morribasaan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshoppe  Malagary Hissing Cockroach American Cockroach American Cockroach Asstralian Cockroach Asstralian Cockroach African Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing	15 2 1 1	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 16 nr nr nr 1301 nr	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vezzilam (EW) Partula suturalis mixed ssp. Partula tentiata mucleola Partula tentiata mucleola Partula tentiata mucleola Partula tentiata (EW) Partula tentiata (EW) Partula tentiata (EW) Partula tentiata (EN) Samoana attenuata (EN) Samoana stellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila senegalensis Brachypelma auratum Brachypelma auratum Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma wagans Lasiodora parahybana Avicularia avicularia Metriopelma vagans Lasiodora parahybana Avicularia avicularia Metriopelma sup Poecilotheria regalis Poecilotheria regalis Poecilotheria mactans Latrodectus mactans Latrodectus variolus	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Varuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Branlian Bird-eating Spider Prak-toed Bird-eating Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 8/ma 3/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/13	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentif	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seysthelles Giant Millipede Mornhanam Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshoppe  Malagasy Hissing Cockroach American Cockroach American Cockroach American Cockroach Antiralian Cockroach African Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spury Stick Insect Maclesy's Spectre Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect	15 2 14	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0/2 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 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0 0/0 0/	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigona (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula tentiata mucleola Partula tentiata mucleola Partula tentiata mucleola Partula tentiata (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma amithi Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma organis Lasiodora parahybana Avicularia avicularia Metriopelma sp. Poecilotheria formosa Latrodectus mactans Latrodectus variolus Heteropoda sp.	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail West African Giant Land Snail Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Grazing Spider Brid-eating Spider Indian Ornamental Spider Indian Ornamental Spider Sri Lankan Ornamental Spider Indian Tree Spider North American Black Widow Spi North American Black Spider Crab Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 3/ma 8/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 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 0/0/0 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 0/0/0 0/0/0 0/0/0	L'B L'ma L'B L'M L'D L'M L'D L'M L'D L'M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidoutrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentif	Giant Centipede Egoptian Giant Centipede Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mombassan Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede Malaysian Giant Millipede T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Granshopp  Malagasy Hissing Cockroach American Cockroach Australian Cockroach Australian Cockroach Anterioan Fraying Mantis Chinese Praying Mantis Queensland Titan Stick Insect Indonesian Spiny Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect	15 2 14	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 16 nr nr nr 1301 nr nr nr nr 11 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigosa (EW) Partula suturalis vezzilam (EW) Partula suturalis mixed ssp. Partula tentiata mucleola Partula tentiata mucleola Partula tentiata mucleola Partula tentiata (EW) Partula tentiata (EW) Partula tentiata (EW) Partula tentiata (EN) Samoana attenuata (EN) Samoana stellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophochetius oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila senegalensis Brachypelma auratum Brachypelma auratum Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma wagans Lasiodora parahybana Avicularia avicularia Metriopelma vagans Lasiodora parahybana Avicularia avicularia Metriopelma sup Poecilotheria regalis Poecilotheria regalis Poecilotheria mactans Latrodectus mactans Latrodectus variolus	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Varuatu Tree Snail Fregate Island Enid Snail Apple Snail Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Branlian Bird-eating Spider Prak-toed Bird-eating Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 8/ma 3/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 8/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9/ma 9	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 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 0/0/0 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 0/0/0 0/0/0 0/0/0	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra sp  Diplopoda Iuleus sp Graphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Unidentifie	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshopp  Malagany Hissing Cockroach American Cockroach American Cockroach Anterican Praying Mantia Chinese Praying Mantia	15 2 1 1 14 - - 6 4 4 - - - - - - - - - - - - - -	- 12 12 12 12 12 12 12 12 12 12 12 12 12	1 13 16 nr nr nr 1301 nr	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 0/0/0 0/0/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 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 0/0/2 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 0/0/2 0/0/2 0/0/2 0/0/2 0/0/2 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 0/0 0/0 0/	7/8 I/N I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigona (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula tentiata mucleola Partula tentiata mucleola Partula tentiata mucleola Partula tentiata (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatentis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma amithi Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma emilia Brachypelma organis Lasiodora parahybana Avicularia avicularia Metriopelma sp. Poecilotheria formosa Latrodectus mactans Latrodectus variolus Heteropoda sp.	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail West African Giant Land Snail Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Grazing Spider Brid-eating Spider Indian Ornamental Spider Indian Ornamental Spider Sri Lankan Ornamental Spider Indian Tree Spider North American Black Widow Spi North American Black Spider Crab Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 1/ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 3/ma 8/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 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 0/0/0 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 0/0/0 0/0/0 0/0/0	L'B L'ma L'B L'M L'D L'M L'D L'M L'D L'M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Unidentif	Egyptian Solifuge  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Mornhassan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket British Field Cricket British Wart-brier Cricket Wellington Tree Weta Giant South American Grasshoppe  Malagary Hissing Cockroach American Cockroach American Cockroach Anterican Cockroach Anterican Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect African Dung Beetle  atum African Dung Beetle	15 2 1 1 14 - - - - - - - - - - - - - - - -		1 13 16 nr nr nr 1301 nr nr nr nr 11 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 IN ID IM IM IM IM Ima IM ID IM
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Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula taentata nucleola Partula taentata nucleola Partula taentata nucleola Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Aruneae Nephila senegalensis Brachypelma emilia Brachypelma ancularia Metriopelma sp. Poecilotheria formosa Latrodectus mactans Latrodectus variolus Heteropoda sp.	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail West African Giant Land Snail Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Grazing Spider Brid-eating Spider Indian Ornamental Spider Indian Ornamental Spider Sri Lankan Ornamental Spider Indian Tree Spider North American Black Widow Spi North American Black Spider Crab Spider	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 158/ma 17ma 7ma 99/ma 23/ma 10/ma 8/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/129 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/12 0/0/13	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Bhattoder Gryllus bimaculatus Gryllus campestris (RT) Pholeogryllus geertsi Decticus verructvorus (RT Hemideina crassidens Tropidacris violaceus Bhattodea Gromphadorhina portente Periplaneta australasiae Mantodea Sphodromantus sp. Tenodera sp. Ten	European Scorpion  Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mornhanan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede  T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Field Cricket Wellington Tree Weta Giant South American Grasshopp  Mar  Malagasy Hissing Cockroach American Cockroach American Cockroach Australian Cockroach Anterioan Cockroach African Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Penryian Fem Stick Insect  African Dung Beetle South African Large Dung Beetle African Dung Beetle South African Large Dung Beetle CR) Giant Fregate Beetle	15 2 14		1 13 16 nr nr nr 1301 nr	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 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 0/0/3	7/8 IN I/D I/M
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis mixed sap. Partula toniata nucleola Partula toniata nucleola Partula toniata nucleola Partula toniata (EW) Partula tristis (EW) Partula turneri Partula varia (CR) Samoana steinuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina achatina Achatina filica Archachatina marginata Asperitus sp. Euglandina rosea Strophochethus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita chipeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma auratum Brachypelma pallidum Brachypelma pallidum Brachypelma pallidum Brachypelma pallidum Brachypelma avaphbana Avicularia avicularia Metriopelma sp. Poecilotheria regalis Poecilotheria regalis Poecilotheria regalis Poecilotheria regalis Poecilotheria formosa Latrodectus variolus Heteropoda sp. Phiddipus audax  Scorpiones	Polynesian Tree Snail Marquesan Tree Snail Tahitian Tree Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Variatia Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Rod-kneed Bird-eating Spider Rod-kneed Bird-eating Spider Red-rumped Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Pink-toed Bird-eating Spider Pink-toed Bird-eating Spider Pink-toed Bird-eating Spider Indian Tiger Spider Indian Tiger Spider North American Black Widow Spi North American Black Spider Crab Spider Jumping Spider Turninan Fat-tailed Scorpion Fat-tailed Scorpion	1	nr nr nr - nr -140		21 1	0/ma 144/ma 158/ma 158/ma 17ma 7/ma 99/ma 23/ma 10/ma 8/ma 3/ma 3/ma 8/ma 3/ma 3/ma 8/ma 3/ma 3/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/1	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidoutrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Gryllus timaculatus Gryllus timaculatus Gryllus timaculatus Gryllus timaculatus Gryllus campestris (RT) Pholeogryllus geertsi Decticus verructvorus (RT) Hemideina crassidens Tropidacris violaceus  Blattodea Gromphadorhina portente Periplaneta australasiae Mantodea Sphodromantis sp. Tenodera sp.  Phasmatodea Acrophylla wuelfingi Eurycantha calcarata Extatosoma tiaratum Heteropteryx dilatata Sypylocales sipylus Phyllium sp. Oreophoetes peruanus Coleoptera Scarabaeus semipunctatus Mocmatidium multipuncta Unidentified species Unidentified species Unidentified species Polposipus herculeamus (tentius acceptutata	European Scorpion  Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Seyubelles Giant Millipede Mombassan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede  T) Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Granshopp  Malagasy Hissing Cockroach American Cockroach American Cockroach American Cockroach Anterican Praying Mantis  Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect Malaysian Dung Beetle South African Dung Beetle South African Dung Beetle CR) Giant Pregate Beetle Domino Beetle CR) Giant Pregate Beetle Domino Beetle	15 2 14	- 100 100 100 100 100 100 100 100 100 10	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 IN I/D I/M
Partula radiolata (CR) Partula rosea (CR) Partula suturalis strigona (EW) Partula suturalis venillum (EW) Partula suturalis mixed sup. Partula taentata mucleola Partula taentata mucleola Partula taentata mucleola Partula taentata mucleola Partula taentata (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fullica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregotensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Aruneae Nephila sonegalensis Brachypelma emilia Brachypelma in autum Brachypelma aparahybana Avicularia avicularia Metriopelma sp. Poecilotheria formosa Latrodectus mactans Latrodectus mactans Latrodectus variolus Heteropoda sp. Phiddipus audax  Scorpiones Androctonus crasticauda Buthus occitamus  Scorpiones Androctonus crasticauda Buthus occitamus	Polynesian Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Predatory Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-cumped Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brid-eating Spider Indian Ornamental Spider Indian Ornamental Spider Indian Tiger Spider North American Black Widow Spi North American Black Widow Spi North American Black Widow Spi North American Black Spider Crab Spider Jumping Spider Turinian Fat-tailed Scorpion Fat-tailed Scorpion Yellow Scorpion	1	nr nr nr - nr -140		21	0/ma 144/ma 158/ma 158/ma 17ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0	L'B L'ma L'B L'M L'D L'M L'D L'M L'D L'M	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iulius sp. Oraphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species Decticus verructvorus (RT) Pholeogryllus geertsi Decticus verructvorus (RT) Hemideina crassidens Tropidacris violaceus  Blattodea Gromphadorhina portente Periplaneta australasiae  Mantodea Sphodromantis sp. Tenodera sp.  Phasmatodea Acrophylla wuelfingt Eurycantha calcarata Extatosoma tiaratum Heteropteryx dilatata Sypyloales sipylus Phyllium sp. Oreophoetes peruanus  Coleoptera Scarabaeus semipunctatu Minematidium multipuncti Unidentified species Unidentified species Polposipus herculeamus (I Anthia ascyputata Xylotiupes gideon	Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede Malaysian Giant Millipede T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshoppe  Maz  Malagasy Hissing Cockroach American Cockroach American Cockroach American Cockroach American Cockroach American Cockroach Anterioan Cockroach African Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect  African Dung Beetle South African Large Dung Beetle South African Dung Beetle South African Deetle	15 2 1 1 14 - - 6 4 4 - - - - - - - - - - - - - -		1 13 16 nr nr nr 1301 nr nr nr nr 12 18 20 nr 14 nr 1 nr	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 IN I/D I/M
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis strigona (EW) Partula suturalis mixed sup. Partula taeniata mucleola Partula taeniata (EW) Partula taeniata (EW) Samoana attenuata (EN) Samoana attenuata (EN) Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina filica Archachatina marginata Asperitus ap Euglandina rosea Strophocheilus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostraca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Araneae Nephila modagascariensis Nephila senegalensis Brachypelma emilia Brachypelma emilia Brachypelma pallidum Brachypelma pallidum Brachypelma pallidum Brachypelma avajara Lasiodora parahybana Avicularia avicularia Metriopelma sp. Poecilotheria regalis Poecilotheria regalis Poecilotheria regalis Poecilotheria regalis Poecilotheria rocans Latrodectus mactans Latrodectus variolus Heteropoda sp. Phiddipus audax  Scorpiones Androctonus crassicauda Buthus occitanus Buthus sp.	Polynesian Tree Snail Marquesan Tree Snail Marquesan Tree Snail Marquesan Tree Snail Tahitian Trochomorph Snail Tahitian Tree Snail Giant Land Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuatu Tree Snail Fregate Island Enid Snail Apple Snail  Robber Crab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-legged Bird-eating Spider Red-umped Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Indian Ornamental Spider Indian Tiger Spider	1	nr nr - 140 nr		21 1	0/ma 144/ma 158/ma 158/ma 17ma 77ma 99/ma 23/ma 10/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8/ma 8	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra sp.  Diplopoda Iuleus sp. Graphidostrepus sp. Sechelleptus seychellarum Epibolas pulchripes Unidentified species	Egyptian Solidage  Giant Centipede Egyptian Giant Centipede  Giant Millipede Giant Millipede Seychelles Giant Millipede Morrhassan Train Millipede Fire Millipede Malaysian Giant Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket British Wart-biter Cricket Wellington Tree Weta Giant South American Grasshoppe  The Malagary Hissing Cockroach American Cockroach American Cockroach Asstralian Cockroach Asstralian Cockroach African Praying Mantis Chinese Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect CR Giant Fregate Beetle South African Large Dung Beetle African Dung Beetle South African Large Dung Beetle Domino Beetle Sumstran Rhino Beetle Imidescent Tiger Beetle	15 2 14	- 100 100 100 100 100 100 100 100 100 10	1 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 IN I/D I/M
Partula radiolata (CR) Partula suturalis strigona (EW) Partula suturalis trigona (EW) Partula suturalis mixed sup. Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula taeniata mucleola Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Partula tristis (EW) Samoana attenuata (EN) Samoana bellula Samoana sp. (Hiva On 1) Trochomorpha sp. Liardetia normalis Achatina achatina Achatina fulica Archachatina marginata Asperitus sp. Euglandina rosea Strophocheitus oblongus Diplomorpha delatouri Pachnodus fregatensis Pomacea palludosa  CRUSTACEA Malacostruca Birgus latro Coenobita clypeatus Cardiosoma sp.  ARACHNIDA Aruneae Nephila sonegalensis Brachypelma emilia Brachypelma vagans Lastodora parahybana Avicularia avicularia Metriopelma sp. Poecilotheria formosa Latrodectus mactans Latrodectus mactans Latrodectus rasiolus Heteropoda sp. Phiddipus audax  Scorpiones Androctonus crassicauda Buthus occitamus  Androctonus crassicauda Buthus occitamus	Polynesian Tree Snail Marquesan Tree Snail Tahitian Tree Snail Tahitian Tree Snail Tahitian Tree Snail Predatory Snail West African Giant Land Snail Land Snail Predatory Snail Mega Snail Vanuata Tree Snail Fregate Island Enid Snail Apple Snail  Robber Chab Land Hermit Crab African Blue River Crab  Golden Orb Weaver Senegalese Giant Orb Spider Flame-knee Spider Bird-eating Spider Red-kneed Bird-eating Spider Red-kneed Bird-eating Spider Red-cumped Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brazilian Bird-eating Spider Brid-eating Spider Indian Ornamental Spider Indian Ornamental Spider Indian Tiger Spider North American Black Widow Spi North American Black Widow Spi North American Black Widow Spi North American Black Spider Crab Spider Jumping Spider Turinian Fat-tailed Scorpion Fat-tailed Scorpion Yellow Scorpion	1	nr nr nr - nr -140		21 1	0/ma 144/ma 158/ma 158/ma 17ma 7/ma 99/ma 23/ma 10/ma 8/ma 8/ma 3/ma 8/ma 20/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/	0/0/11 0/0/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/12/0 0/0/2 0/0/0/2 0/0/0/2 0/0/0/2 0/0/0	UB Uma UB UM UD UM UD UM UD UM UD UM	Solifugae Galeodes sp  MYRIAPODA Chilopoda Scolopendra gigantea Scolopendra gigantea Scolopendra gigantea Scolopendra sp.  Diplopoda Iulius sp. Oraphidostrepus sp. Sechelleptus seychellarum Epibolus pulchripes Unidentified species Decticus verructvorus (RT) Pholeogryllus geertsi Decticus verructvorus (RT) Hemideina crassidens Tropidacris violaceus  Blattodea Gromphadorhina portente Periplaneta australasiae  Mantodea Sphodromantis sp. Tenodera sp.  Phasmatodea Acrophylla wuelfingt Eurycantha calcarata Extatosoma tiaratum Heteropteryx dilatata Sypyloales sipylus Phyllium sp. Oreophoetes peruanus  Coleoptera Scarabaeus semipunctatu Minematidium multipuncti Unidentified species Unidentified species Polposipus herculeamus (I Anthia ascyputata Xylotiupes gideon	Egoptian Solidage  Giant Centipede Egoptian Giant Centipede  Giant Millipede Giant Millipede Giant Millipede Seychelles Giant Millipede Mombasan Train Millipede Fire Millipede Malaysian Giant Millipede Malaysian Giant Millipede Malaysian Giant Millipede T)  Mole Cricket Desert Locust African Field Cricket British Field Cricket Cave Cricket Wellington Tree Weta Giant South American Grasshoppe  Maz  Malagasy Hissing Cockroach American Cockroach American Cockroach American Cockroach American Cockroach American Cockroach Anterioan Cockroach African Praying Mantis  Queensland Titan Stick Insect Indonesian Spirry Stick Insect Indonesian Spirry Stick Insect Malaysian Jungle Nymph Pink-wing Leaf Insect Peruvian Fern Stick Insect  African Dung Beetle South African Large Dung Beetle South African Dung Beetle South African Deetle	15 2 1 1 14 - - 6 4 4 - - - - - - - - - - - - - -	- 100 100 100 100 100 100 100 100 100 10	1 13 16 nr nr nr 1301 nr nr nr nr 12 18 20 nr 14 nr 1 nr	4710	7/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0/0	0/0/3 0/0/2	7/8 IN I/D I/M

									WHIPSNADE WILD ANI	MAI DADY							
		1	2	3	4	5	6	7/8	WILL STADE WILLD AND	MALPARK	1	2	3	4	5	6	7
Blaps mucronata Blaps up.	Churchýard Beetle Desert Beetle	0	nr nr	nr 7	*	0/0	0/0/16	I/na I//D	MAMMALS								
Unidentified species	Minotaur Beetle	6				0/0	0/0/6										
Unidentified species Unidentified species	Tenebrionid Beetle Large Tenebrionid Beetle	14		1	-	0/0	0/0/13		Diprotodontia  Macropus rufogriseus frutica	Red-necked (Bennett's) Wallaby**	-550						
		70					worz	874	Macropus rufogriseus	White Wallaby	16	1	2	3.3	2	1	-600 8/8
Diptera Drosophila melanogaster	Fruit Fly	200			Ta.	0/0	0/0/1	CM	Macropus parma	White-fronted Wallaby	2	+	1			+	1/2
	1177.90					0.0	001	COM	Primates								
Lepidoptera Bombsz mori	Silkworm		220	-10		0.700			Lemur catta (VU) Varecia variegata variegata (EN)	Ring-tailed Lemur	6		14	1	-		6/0
Heliconius charitonius	Zebra Butterfly	20	THE .	nr 20	-	0/300	0/0/0	I/na	Varecia variegata rubra (CR)	Black-&-white Ruffed Lemur Red Ruffed Lemur	2 2	-		200	-	2(2)	1/1
Helicontus melpomene	Postman Butterfly		re	nr		0/0	0/0/0	na/na	Pithecia pithecia	White-faced Saki Monkey	2			32/		2(2)	1/1
Greta otto	Clearwing Butterfly	6		6		0/0	0/0/0	I/ma	Saimiri boliviensis Callithrix argentata argentata	Black-capped Squirrel Monkey Silvery Marmoset	13	2	2	1	4	1	4/7
Hymenoptera	4 4 4 4								Leontopithecus chrysomelas (EN)	Golden-headed Lion Tamarin	4						3/1
Ampulex compressa  Apis mellifera	Jewel Wasp Honeybee	2	m	nr 1	*	ne/or	28/25/0		Pan troglodyses (EN)	Chimpanzee	9		1247	1.54	*	-	6/3
Atta cephalotes	Leaf-cutting Ant			-		mr/mr 0/0	0/0/1	C/M C/M	Rodentia								
Formica rufa (VU)	Red Wood Ant					0/0	0/0/1		Cynonys ludovicianus	Black-tailed Prairie Dog**	~100	+	3	10	14	2	-100
Hemiptera									Dolichotis patagonum Muscardinus avellanarius (RT)	Mara** Common Dormouse	-188	-	6	2.4	1		~210
Platymerus biguttata	Assassin Bug	-	re	nr	+	70/0	0/0/1	I/D					46.6	141	100		5/5
									Carnivora Canis lupus	Grey Wolf	20						
AQUATIC INVERTEBRATI	ES (Aquarium) (numbers held i	at 31.12.5	98)						Urms arctos	Brown Bear	20				6		7/7
Actinia equina	Beadlet Anemone								Atlurus fidgens fulgens (EN) Helogale parvula	Red Panda	2	6	3	2		1	2/6
Stoichactis giganteum	Carpet Anemone	many 1							Panthera leo	Dwarf Mongoose Lion	7		2	2	2		2/3
Protoreaster lincki	Crimson Knobbled Starfish	2							Panthera tigris altaica (CR)	Amur (Siberian) Tiger	2				-		1/1
Asteria gibbosa Diadema setosum	Cushion Starfish Long-spine Urchin	~50 7							Acinovyx jubatus (VU)	Cheetah	5	2	*	4	1	1	3/2
Pomacea palludosa	Apple Snail	6							Pinnipedia								
Astrae tectum Octopus vulgaris	Turbo Snail Common Octopus	5							Zalophus californianus Phoca vitulina	Californian Sealion	3	+	1	1	3		1/2
Sepia officinalis	Cuttlefish	i							Halichoerus grypus	Common Seal Grey Seal	1		34		*		1/0
Lyamata debelius Cancer paguerus	Blood Shrimp	8								W. 500 C			150			10	UI.
Cancer pagurrus Maia squinado	Edible Crab Spider Crab	9							Proboscidea Elephas maximus (EN)	Asian Elephant							-
Carcinus maenas	Shore Crab	-10							Congress (stary)	Mental Cichata	4		1.0			*	1/3
Dardanus megistos Homarus gammarus	Red Hairy Hermit Lobster	2							Perissodactyla								
Galathea strigosa	Squat Lobster	6							Equus burchelli chapmanni* Equus grevyi* (EN)	Chapman's Zebra Grevy's Zebra	1 0		-	7	2	100	1/0
Limulus polythemus	Horseshoe Crab	3							Equus hemionus onager* (EN)	Asiatic Wild Ass	8	-					1/7
									Equus przewalsku* (EW) Rhinoceros unicornis (EN)	Przewalski's Horse	11	3	-		2	5	0/7
The following invertebrates were hel	d in the Ambika Paul Children's Zoo	and Educ	ation Dep	pertment	at 31.13	2.98:			Ceratotherium simum simum	Greater One-horned Rhinoceros Southern White Rhinoceros	9	2(2)					2/7
Achatina fulica	Giant Land Snails	0/0/22							Diceros bicornis michaeli (CR)	Black Rhinoceros	2	1	-			1	1/1
Grammostola spatulata	Chile Rose Spider	02							Artiodactyla								
Carausius morossus Gromphadorhina portentous	Indian Stick Insect Malagary Hissing Cockroaches	0/7 >50							Hippopotamus amphibius	Hippopotamus	3		1	12		3	2/1
The second secon	mangery raining Cocaroscoes	250								Pygmy Hippopotamus	3	-	2		1	-	1/3
									A POLICE OF THE PARTY OF THE PA	Llama (domestic) Alpaca (domestic)	2	2	*		-	+	2/0
										rupeus (unitiessus)		2					
	Total Invertebrates at 31.12.98: a	pprox. 57	66 speci	mens: 5	colonic	ns: sinen	ox 119 s	necles	Camelus bactrianus	Bactrian Camel (domestic)		1(1)	3	-	1		5/11
	Total Invertebrates at 31.12.98: a	pprox. 57	66 speci	mens; 5	colonie	est appr	ox. 119 s	pecies	Camelus bactrianus Muntiacus reevesi	Bactrian Carnel (domestic) Recves's Muntjac**	-18		3		1	1(1)	5/11 ~20
	Total Invertebrates at 31.12.98: a	pprox. 57	66 speci	mens; 5	colonic	est appr	oz. 119 s	pecies	Camelus bactrianus Muntiacus reevesi	Bactrian Carnel (domestic) Redves's Muntjac**		1(1)	7	2	1	1(1)	5/11
	Total Invertebrates at 31.12.98: a	opprox. 57	166 speci	mens; 5	colonic	es; appr	or. 119 s	pecies	Camelus bactrianus Muntiacus reevesi	Bactrian Carnel (domestic) Redves's Muntjac**	-18	1(1)	3 . 7	2	1	1(1)	5/11 ~20 9/13
	Total Invertebrates at 31.12.98: a	approx. 57				cs; appr			Camelus bactrianus Muntiacus reevesi	Bactrian Carnel (domestic) Redves's Muntjac**	-18	1(1)	7	2	1	1(1)	5/11 ~20
		1	66 speci	mens; 5	5 colonie	es; appr	or 119 s	7	Camelus bactrionus Muntiacus reevesi Dama dama	Bactrian Carnel (domestic) Redves's Muntjac**	-18 25	1(1)	3 7	2	1 . 8	1(1)	5/11 ~20 9/13
Dama dama	Fallow Deer (black form)**	1 -55		3	•	5		7 -54	Ciconiiformes	Bactrian Carnel (domestic) Recver's Muntjac** Fallow Deer	-18 25	1(1)	3 7	2	1 . 8	1(1)	5/11 ~20 9/13 28
Dama dama Axis axis* Axis porcinus*		1 -55 45 41		3 - - 21 15		s		7 -54 12/23/6 10/17/7	Camelus bactrionus Muntiacus reevesi Dama dama	Bactrian Carnel (domestic) Redves's Muntjac**	-18 25	1(1)	3 7	4	1 . 8	1(1)	5/11 ~20 9/13
Axis axis* Axis porcinus* Cervus devauceli* (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer	1 -55 45 41 31		3 - 21 15 11	4	\$ - 12 10	6	7 -54 12/23/6 10/17/7 16/22/1	Ciconiiformes Ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo	-18 25	1(1)	3 2 4 4	4	3 .	6	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43
Axis axis* Axis porcinus*	Fallow Deer (black form)** Axis Deer Hog Deer	1 -55 45 41		3 - - 21 15	4	s - 12	6	7 -54 12/23/6 10/17/7	Ciconiiformes Ciconia ciconia Eudocimus revesi  Dama dama  Ciconiiformes Ciconia ciconia	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis	-18 25 1 14 18	1(1)	3 7 7 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8
Axis axis* Axis porcinus* Cerrus duvauceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic)	1 -55 45 41 31 22 29 3	2	3 - 21 15 11 6	4	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3	Ciconliformes Ciconliformes Ciconla ciconia Eudocimus ruber Phoenicopterus ruber roseus Anseriformes	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo	-18 25 1 14 18	1(1)	3 7 7 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1
Axis axis* Axis porcinus* Cerrus duvauceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer**	1 -55 45 41 31 22 29 3 -400	2	3 - 21 15 11 6	4	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500	Ciconliformes Ciconliformes Ciconla ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus	Backrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Black Swan	-18 25 1 14 18	1(1)	3 7 7 3 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1
Axis axis* Axis porcinus* Cerrus devauceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala	1 -55 45 41 31 22 29 3 -400 6 11	2	3 - 21 15 11 6 15 - - 1	4 -13 12 3 2 3	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7	Ciconliformes Ciconliformes Ciconla ciconia Eudocimus ruber Phoenicopterus ruber roseus Anseriformes	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo	-18 25 1 14 18	1(1)	3 7 7 3	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1
Axis axis* Axis porcinus* Cerrus devauceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Otraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus spekei*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga	1 -55 45 41 31 22 29 3 -400 6	2	3 - 21 15 11 6	4	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15	Ciconiiformes Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus cygnus Concoroba concoroba Anser cygnotides (VU)	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo Black Swan Whooper Swan Coscoroba Swan Swan Goose	1 14 18 42 2 2 2 2 2	1(1)	3 7 7 3	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3
Axis axis* Axis porcinus* Cerrus devauceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala	1 -55 45 41 31 22 29 3 -400 6 11	2	3 - 21 15 11 6 15 - - 1	4 -13 12 3 2 3	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7	Ciconiiformes Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus Anseriformes Cygnus cygnus Cygnus cygnus Concoroba Anser cygnoides (VU) Anser indicus	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose	-18 25 1 14 18	1(1)	3 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24
Axis axis* Axis porcinus* Cerrus devauceli* (VU) Cerrus nippon* Elaphunus davidianus* (CR) Rungifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus spekei* Tragelaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser cythropus (VU) Anser canagicus	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose	1 14 18 42 2 2 2 2 2	1(1)	3 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1
Axis axis* Axis porcinus* Cerrus dirvavceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus spekei* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 - 21 15 11 6 15 - - 1	4 -13 12 3 2 3	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus cygnas Coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi	Backrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ihis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscorobs Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose	1 14 18 42 2 2 2 2 2	1(1)	3 2 4 4 4	4	5 . 4	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 1/2 3/2 3/1 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus spekei* Tragelaphus strepticeros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaunus* (VU) Bos grunnierus Syncerus caffer nanus*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser rosei Branta Invoopsis Branta ruficollis (VU)	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose	1 14 18 42 2 2 2 2 2	1(1)	3 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Otraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus spekei* Tragelaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Cygnus cygnus Cygnus cygnus Cygnus cygnus Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser rosei Branta lewcopus Branta ruficollis (VU) Branta sandricensis (VU)	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Nene (Hawaiian Goose)	1 14 18 42 2 2 2 2 2	1(1)	3 2 4 4 4	4	5 . 4	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Endocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus coscoroba Anser cygnoides (VU) Anser conagicus Anser rossi Branta leucopsis Branta leucopsis Branta sandricensis (VU) Alopochen aggyptacus Dendrocygna viduata	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coocerba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck	1 14 18 42 2 2 2 2 2	1(1)	3 2 4 4	4	5 . 4 2	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus ellipsiprymnus*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterbuck	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Endocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser rosei Branta leucopsis Branta leucopsis Branta sandricensis (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck	1 14 18 42 - 2 2 2 4 2 1 - 8	1(1)	3 2 4 4	4	5 . 4	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 2/2 1/0 0/0/1 2/4
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Giraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Endocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus coscoroba Anser cygnoides (VU) Anser conagicus Anser rossi Branta leucopsis Branta leucopsis Branta sandricensis (VU) Alopochen aggyptacus Dendrocygna viduata	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coocerba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck	1 14 18 42 2 2 2 2 2	1(1)	3	4	5 . 4 2	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepticeros Boselaphus strepticeros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaunus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus ellipsiprymnus* Kobus megaceros Oryx gazella gazella* Oryx dammah* (CR)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-homed Oryx	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2 24 6 3 9 8 7 10 11 16	2	3 - 21 15 11 6 15 - - 1	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1 1/7 5/4 1/6 5/6 5/8 4/20	Ciconiiformes Muntiacus reevesi Dama dama  Ciconii formes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetia jubata	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Australian Wood Duck	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/2 1/0 0/0/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus diviauceli* (VU) Cervus diviauceli* (CR) Rangifer tarandus Hydropotus inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepticeros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaunus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus ellipsiprymnus* Kobus megaceros Oryx gazella gazella*	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemsbok	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2 24 6 3 9 8 7 10 11	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8	Ciconiiformes Muntiacus reevesi Dama dama  Ciconii ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus cygnus Concoroba coscoroba Anser cygnoides (VU) Anser indicus Anser rossi Branta ruficulis Branta leucopsis Branta ruficollis (VU) Branta sandvicensis (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponta Chenonetta jubata Callonetta leucophrys	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal	1 14 18 42 - 2 2 2 - 34 - 3 - 2 4 2 1 - 8 21	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 ~20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/2 1/0 0/1 0/1 2/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Ouraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubahus depressicornis* (EN) Bos gaurus* (VU) Bos gaurus* (VU) Bos grunniens Syncerus caffer narus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus megaceros Oryx gazella gazella* Oryx dannush* (CR) Antilope cervicapra* (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitaturga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemabok Scimitar-homed Oryx Blackbuck	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2 24 6 3 9 8 7 10 11 16	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucoptis Branta leucoptis Branta sandricenus (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Anas bahamensis	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Ouraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer namus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus ellipsiprymmus* Kobus ellipsiprymmus* Kobus megaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-homed Oryx Blackbuck Muak Ox Mouflon	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2 24 6 3 9 8 7 10 11 16	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Endocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus endocus Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucopsis Branta leucopsis Branta sandricensis (VU) Alopochen aggyptacus Dendrocygna viduata Tadorna tadorna Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Anas bahamensis Anas falcata	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Rosa' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitaturga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison Buropean Bison Roan Antelope Common Waterbuck Nile Lechwe Gernsbok Scimitar-homed Oryx Blackbuck Muak Ox Mouflon  Horse* Shire	1 -55 45 41 31 22 29 3 -400 6 11 18 15 3 2 24 6 3 9 8 7 10 11 16	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucoptis Branta leucoptis Branta sandricenus (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Anas bahamensis	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 2/2 2/2 2/2 2/2 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere Devid's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitaturga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison Buropean Bison Roan Antelope Common Waterbuck Nile Lechwe Gemsbok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon  Horse: Shire Cream Porry	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1	Ciconiiformes Muntiacus reevesi Dama dama  Ciconii formes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser rossi Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa sanericana Ansa bahamensis Ansa falcata Netta peposaca Netta rufina Aythya ferina	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gernbolk Scimitar-homed Oryx Blackback Mask Ox Mouflon  Horse: Shire Cream Pony Weish Pony (Cream for Pig. Oxford Sandy x Black	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser cygnoides (VU) Anser erythropus (VU) Anser rossi Branta luccopsis Branta ruficollis (VU) Branta sandvicensis (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta luccophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard North American Ruddy Duck North American Ruddy Duck	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 4/4
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anna Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Rose Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-homed Oryx Blackbuck Musk Ox Mouflon  Horse: Shire Cream Porry Welsh Porry (Cream for Pig: Oxford Sandy x Black Pot-bellied Pig	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 1/0 0/2	Ciconiiformes Muntiacus reevesi Dama dama  Ciconii ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucopsis Branta leucopsis Branta sandvicenus (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aytyra ferina Oxyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Nene (Hawaian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard North American Ruddy Duck European Eider Barrow's Goldeneye	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 6/0/43 6/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1 2/2 2/2 1/1 2/2 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitaturga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison Buropean Bison Roan Antelope Common Waterback Nile Lechwe Gemsbok Scimitar-homed Oryx Blackback Muak Ox Mouflon  Horse Shire Cream Pony Welsh Pony (Cream fo Pig Oxford Sandy x Black Pot-bellied Pig Cattle: Belied Galloway Red Poll	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/1 1/0 0/1 1/0 0/1	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Endocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus ciyanus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucopsis Branta leucopsis Branta sandvicensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Ansa bahamensis Ansa falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus albellus	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Rosa' Goose Barnacle Goose Red-breasted Goose Rene (Hawaian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Rusped Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Bider Barrow's Goldeneye Smew	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	5 . 4 2	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/2 1/0 0/0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 2/1
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Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemabok Scimitar-homed Cryx Blackbuck Muak Ox Mouflon  Horse: Shire Cream Pory Weish Porty (Cream for Pig. Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1//4 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	Ciconiiformes Muntiacus reevesi Dama dama  Ciconiia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser rossi Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa sandricensis Ansa falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somaturia mollissima Bucephalus albellus Lophodytes cucullatus  Falconiformes	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard European Pochard North American Ruddy Duck European Eider Barrow's Goldeneye Smew Hooded Merganser	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13  28 7 3/5/8 5/8 0/0/43 0/0/1  1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 2/2 1/1 1/3 1/1 6/2/3 1/1 1/1 2/1 1/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemabok Scimitar-homed Gryx Blackbuck Musk Ox Mouflon  Hoese: Shire Cream Pony Weish Pony (Cream fo Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 0/1 0/1 0/1 0/1	Ciconiiformes Muntiacus reevesi Dama dama  Ciconiia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser cygnoides (VU) Anser indicus Anser conagicus Anser consti Branta leucopsis Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somateria mollissima Bucephala islandica Mergellus albellus Lophodytes cucullatus	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Rosa' Goose Barnacle Goose Red-breasted Goose Rene (Hawaian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Rusped Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Bider Barrow's Goldeneye Smew	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/2 1/0 0/0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 2/1
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemabok Scimitar-homed Cryx Blackbuck Muak Ox Mouflon  Horse: Shire Cream Pory Weish Porty (Cream for Pig. Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1//4 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 1/0 1/0 1/0 1/0	Ciconiiformes Dama dama  Ciconii ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus arratus Cygnus arratus Cygnus arratus Cygnus arratus Cygnus cygnus Concoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser indicus Anser rossi Branta leucopsis Branta leucopsis Branta sandvicenus (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aythya ferina Ozyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus albellus Lophodytes cucullatus  Falconiformes Haliaster indus Haliaeetus leucoephalus Oyps africanus	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Barnacle Goose Ross' Goose Barnacle Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard European Fochard European Eider Barnow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13  28 7  3/5/8 5/8 0/0/43 0/0/1  1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 2/1 1/1 0/0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1
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Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gemabok Scimitar-homed Gryx Blackbuck Musk Ox Mouflon  Hoese: Shire Cream Pony Weish Pony (Cream fo Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 -1 2 10 3 	4 	5 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 0/1 0/1 0/1 0/1	Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser rossi Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa smericana Ansa balamensis Ansa falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus aibellus Lophodytes cucullatus  Falconiformes Haliasterindus Haliasterindus Cyps rueppelli Accipter maus Parabuteo unicinctus	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flarrango Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard European Pochard North American Ruddy Duck European Eider Barrow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruspeell's Griffon Vulture Eurasian Sparrowhawk Harnish Hawk	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 1/1 0/0/1 0/1 0/1 0/1 0/1 0/1 0/1 0
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-homed Oryx Blackback Musk Ox Mouflon  Horse: Shire Cream Pony Welsh Porty (Cream for Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White Pygmy	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 -1 2 10 3 	4 . 13 12 3 2 3	\$ . 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/4 2/4 2/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 0/1 0/1 0/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser eygnoides (VU) Anser indicus Anser rossi Branta ruficulis Anser rossi Branta ruficollis (VU) Branta sandvicensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somataria mollissima mollissima Bucephala silandica Mergellus albellus Lophodytes cucullatus  Falconiformes Haliaster indus Haliaeetus leucocephalus Oypa africanus Oypa spricapus Oypa spricanus	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flarningo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Geose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pictard European Pictard European Pochard North American Ruddy Duck European Fider Barrow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruppell's Griffon Vulture Ruppell's Griffon Vulture Eurasian Sparrowhawk Lanner Falcon	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 2/2
Axis axis* Axis porcinus* Cervus diviauceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus strepsiceros Boselaphus tragocamelus* Bubalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus migaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-homed Oryx Blackback Musk Ox Mouflon  Horse: Shire Cream Pony Welsh Porty (Cream for Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White Pygmy	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 -1 2 10 3 	4 . 13 12 3 2 3	\$ . 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/4 2/4 2/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 0/1 0/1 0/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1	Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser rossi Branta ruficollis (VU) Branta sandricensis (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa smericana Ansa balamensis Ansa falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus aibellus Lophodytes cucullatus  Falconiformes Haliasterindus Haliasterindus Cyps rueppelli Accipter maus Parabuteo unicinctus	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flarrango Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard European Pochard North American Ruddy Duck European Eider Barrow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruspeell's Griffon Vulture Eurasian Sparrowhawk Harnish Hawk	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	*	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 1/1 0/0/1 0/1 0/1 0/1 0/1 0/1 0/1 0
Axis porcinus* Cervus divinuceli* (VU) Cervus divinuceli* (VU) Cervus dippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus sapese* Tragelaphus stragocamelus* Bushalus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Bison bison bison Bison bison bison Bison bison bison Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)  Domestic  BIRDS	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-homed Oryx Blackback Musk Ox Mouflon  Horse: Shire Cream Pony Welsh Porty (Cream for Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White Pygmy	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 -1 2 10 3 	4 . 13 12 3 2 3	\$ . 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/4 2/4 2/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 0/1 0/1 0/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1	Ciconiformes Dama dama  Ciconii formes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus ayanus Concoroba cocoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser indicus Anser rossi Branta lewcopsis Branta lewcopsis Branta sandvicenus (VU) Alopochen aegyptiacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenometta jubata Callonetta leucophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aythya ferina Ozyura jamarcensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus aibellus Lophodytes cucullatus  Falconiformes Haliaster indus Haliaeetus leucocephalus Oyps africanus Gyps rueppelli Accipiter mus Parabuteo unicinctus Falco cherrug Falco peregrinus minor Falco columbarius	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Barnacle Goose Rosh' Goose Barnacle Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-crested Pochard European Pochard European Pochard North American Ruddy Duck European Eider Barrow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruppell's Griffon Vulture Eurasian Sparrowhawk Harris's Hawk Lanner Falcon South African Peregrine Falcon Merlin	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13  28 7 3/5/8 5/8 0/0/43 0/0/1  1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 2/1 1/1 0/0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1
Axis porcinus* Cerrus divinuceli* (VU) Cerrus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inermis Oiraffa camelopardalis reticulata Tragelaphus angasi* Tragelaphus strepsiceros Boselaphus tragocamelus* Bubahus depressicornis* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer narus* Bison bison bison Bison bonasus (EN) Hippotragus equirus* Kobus ellipsiprymnus* Kobus megaceros Oryx gazella gazella* Oryx dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU) Domestic	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Pere David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterback Nile Lechwe Gernsbok Scimitar-homed Oryx Blackback Musk Ox Mouflon  Horse: Shire Cream Pony Welsh Porty (Cream for Pig: Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White Pygmy	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 -1 2 10 3 	4 . 13 12 3 2 3	\$ . 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1/14 2/1 1/0 4/24 2/4 2/4 2/4 2/4 2/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 0/1 0/1 0/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1	Ciconiiformes Dama dama  Ciconiiformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus atratus Cygnus atratus Coscoroba Anser cygnoides (VU) Anser indicus Anser roseis Branta lewcopsis Branta lewcopsis Branta ruficollis (VU) Branta sandvicenus (VU) Alopochen aegyptiacus Dendrocygna viduata Tudorna tudorna Aix galericulata Aix sponsa Chenometta jubata Callonetta leucophrys Anas americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aythya ferina Oxyura jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus albellus Lophodytes cucullatus  Falconiformes Haliaster indus Haliaeetus leucocephalus Gyps reeppelli Accipiter inus Parabuteo unicinctus Falco biarmicus Falco peregrinus minor	Bactrian Carnel (domestic) Reeves's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Ross' Goose Barnacle Goose Red-breasted Goose Nene (Hawaiian Goose) Egyptian Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahama Pintail Falcated Duck Rosybill Red-orested Pochard European Pider Barrow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruppell's Griffon Vulture Eurasian Sparrowhawk Harnis Hawk Lanner Falcon Saker Falcon South African Peregrine Falcon	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 1/2 2/2 1/0 0/0/1 0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 2/2 1/1 2/2 1/1 0/0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0
Axis porcinus* Cervus divinuceli* (VU) Cervus nippon* Elaphurus davidianus* (CR) Rangifer tarandus Hydropotes inernis Oiraffa camelopardalis reticulata Tragelaphus sagasi* Tragelaphus strepticeros Boselaphus tragocamelus* Bubalus depressicornus* (EN) Bos gaurus* (VU) Bos grunniens Syncerus caffer nanus* Buon bison bison Bison bison bison Bison bonasus (EN) Hippotragus equinus* Kobus ellipsiprymmus* Kobus megaceros Oryx gazella gazella* Orys dammah* (CR) Antilope cervicapra* (VU) Ovibos moschatus Ovis orientalis musimon (VU)  Domestic  BIRDS  Casuariiformes	Fallow Deer (black form)** Axis Deer Hog Deer Barasingha/Swamp Deer Sika Deer Père David's Deer Reindeer (domestic) Chinese Water Deer** * Reticulated Giraffe Nyala Sitatunga Greater Kudu Nilgai Lowland Anoa Gaur Yak (domestic) Dwarf Forest Buffalo American Prairie Bison European Bison Roan Antelope Common Waterbuck Nile Lechwe Gemabok Scimitar-homed Cryx Blackbuck Muak Ox Mouflon  Horse: Shire Cream Pory Weish Porty (Cream for Pig. Oxford Sandy x Black Pot-bellied Pig Cattle: Belted Galloway Red Poll Sheep: Lincoln Longwool Hampshire Black-faced Gost: Windsor White Pygmy  Total: Mammals	1 -55 45 41 31 22 29 3 -400 6 11 18	2	3 -21 15 11 6 15 1 2 10 3 3 4 11 7 6 6	4 . 13 12 3 2 3	\$ . 12 10	6	7 -54 12/23/6 10/17/7 16/22/1 7/15/1 4/16/8 1/3 -500 3/3 3/7 10/15 2/6 1//4 2/1 1/0 4/24 2/4 2/1/1 1/7 5/4 1/6 5/6 5/8 4/20 5/13/2 0/1 0/1 1/0 1/0 1/0 1/0 1/0 0/1 0/2 1/0 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1 0/1	Ciconliformes Dama dama  Ciconliformes Ciconia ciconia ciconia Eudocimus ruber Phoenicopterus ruber ruber Phoenicopterus ruber roseus  Anseriformes Cygnus atratus Cygnus atratus Cygnus cygnus Coscoroba coscoroba Anser cygnoides (VU) Anser indicus Anser erythropus (VU) Anser canagicus Anser rossi Branta leucopsis Branta ruficollis (VU) Branta sandvicenus (VU) Alopochen aegyptacus Dendrocygna viduata Tadorna tadorna Aix galericulata Aix sponsa Chenonetta jubata Callonetta leucophrys Ansa americana Anas bahamensis Anas falcata Netta peposaca Netta rufina Aytyra ferina Oxyva jamaicensis jamaicensis Somateria mollissima mollissima Bucephala islandica Mergellus albellus Lophodytes cucullatus  Falconiformes Haliaeetus leucocephalus Cyps africanus Cyps rueppelli Accipiter nisus Parabuteo unicinctus Falco cherrug Falco peregrinus minor Falco columbarius Coragyps atratus	Bactrian Carnel (domestic) Reever's Muntjac** Fallow Deer  White Stork Scarlet Ibis Rosy Flamingo Greater Flamingo  Black Swan Whooper Swan Coscoroba Swan Swan Goose Bar-headed Goose Lesser White-fronted Goose Emperor Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose Red-breasted Goose White-faced Whistling Duck Common Shelduck Mandarin Duck North American Wood Duck Australian Wood Duck Australian Wood Duck Ringed Teal American Wigeon Bahams Pintail Falcated Duck Rosybill Red-crested Pochard European Saler Barnow's Goldeneye Smew Hooded Merganser  Brahminy Kite Bald Eagle African White-backed Vulture Ruppell's Griffon Vulture Eurasian Sparrowhawk Harnis's Hawk Lanner Falcon South African Peregrine Falcon Merlin American Black Vulture	-18 25 1 14 18 42 - 34 - 3 - 2 2 2 1 - 8 21 14 4	1(1)	3 2 4 4 4	4	1 . 8	0 5(4)	5/11 -20 9/13 28 7 3/5/8 5/8 0/0/43 0/0/1 1/0/3 1/1 1/1 3/3 4/7/24 3/2 3/1 2/2 0/0/1 2/2 1/0 0/0/1 0/1 2/4 11/8/9 8/7 2/1 4/7/2 2/2 1/1 2/2 4/4 1/3 1/1 6/2/3 1/1 2/1 1/1 0/0/1 0/1 1/1 0/1 0/1 1/1 0/1 0

Galliformes Tragopan temminokti Gallus gallus

Temminck's Tragopan Red Jungle Fowl\*\*

10 - - 1 - 4/5 15 - 2 - - - 8/7/2 50 - 7 - - 17 17/23

Sphenisciformes Aptenodytes patagonica Eudyptes crestatus crestatus Spheniscus humboldti

King Pengsin Rockhopper Pengsin Humboldt's Pengsin

1/2/1 -50

3 · 2 · 1 ·

		1	2	3	4	5	6	7			1	2	3	4	5	6	7
Pavo cristatus	Common Peafowt**	-210						~150									
Lophura edwardsi (CR)	Edward's Pheasant	- 1				-		1/0	REPTILES								
	Brown Eared Pheasant	2		+				1/1									
									Testudines								
Gruiformes	and the second and the second	252.23						4420	Terrapene carolina	Three-toed Box Turtle	2		1.4.	-	-	2	180000
	Red-crowned Crane	4			*	-	*	1/3	Testudo hermanni	Hermann's Tortoise	18	1	10	1	1	+	3/11/1
	White-naped Crane	7	4	-	*	-	3	2/2	Testudo kleinmanni (EN)	Egyptian Tortoise	7		2	1	-		5/2/1
	Brolga	3		1	-1			2/1	Testudo horsfieldi (VU)	Central Asian Tortoise	8		-		1		3/3/1
	Stanley Crane	3		6	2			1/2/4	Chelus fimbriatus	Matamata	2				-		0/0/2
	Wattled Crane	4	*			1	-	2/1									
	Red-legged Seriema	1		-	+	-	+	1/0	Crocodylia								
Otis tarda tarda (VU)	Orest Bustard	1					*	1/0	Osteolaemus tetraspis (VU)	West African Dwarf Crocodile	2		4	-	14		1/1/4
Charadriiformes									Sauria								
Haematopus ostralegus	Eurasian Oysteroatcher	4	+					0/0/4	Phelsuma standingi (VU)	Standing's Day Gecko	2						1/1
	Double-striped Thick-knee	2	4	-	4	+	4	1/1	Eublepharis macularius	Leopard Ground Gecko	10		18			19	0/0/9
Himantopus himantopus mexicanus		2						1/0/1	Basiliscus plumifrons	Plumed Banilisk	6		10		-	1000	-
		77						V4.70	Iguana iguana		0		-	-	-	4	0/1/0
Psittaciformes										Common Iguana Red-sided Skink	5						0/2
	Grey Parrot	1		_				1/0	Mabuya perrotetti			1.5	-	5+	1		1/0/3
	Masked Lovebird	4			-8			0/0/4	Uromastyx hardwicksi	Indian Spiny-tailed Lizard	4		4	+	3.	-	0/0/4
	Alexandrine Parakeet					-	1		Chamaeleo calyptratus	Yemen Chameleon	6		50	18	13	8(1)	0/0/17
CONTRACTOR	Blue-&-yellow Macaw		1			1		2/0/1	Varanus albigularis	Bose's Monitor	2					-	1/0/1
	Scarlet Macaw	-							regenerated and								
	Military Macaw		5					2/0	Serpentes								
			3		-		*	0/0/5	Python molurus bivittatus	Burmese Python	1		1.7				0/1
dyiopsitta monachus	Monk Parakeet	2	. 4			.+0	+.	1/1	Corallus enydris cooki	Cook's Tree Boa	3			+			1/2
									Erya johnii	Smooth Sand Boa	2		-	+			2/0
Strigiformes	200202								Echis carinatus	Saw-scaled Viper	3				2		0/0/1
	Barn Owl	- 1					-	0/1			111200						
	White-faced Scops Owl	2				1		0/1		3. 655.0							
Bubo bubo bengalensis	Bengal Eagle Owl	1		+	+	+		0/1		Total: Reptiles	85	1	84	20	19	33(1)	98
Vyctea scandiaca	Snowy Owl	2		-	-	1	-	1/0			1	1150					
Strix aluco sylvatica	Tawny Owl	2		1		4	-	1/1/1									
Strix wralensis	Ural Owl	2		-		1		1/0									
Spectyto cunicularia	Burrowing Owl	1		-	+	-		0/0/1									
Coraciiformes									AMPHIBIANS								
Dacelo novaeguineae	Kooksburra	1				-		0/0/1									
	Lilac-broasted Roller	1						1/0	Anura								
	Red-billed Hombill	2	-	-	-	1		0/1		C			100				Carlo Lane
							- 20		Dendrobates auratus	Green-&-black Poison Frog	24		16		3		0/0/37
Piciformes									Dendrobates pumilio	Strawberry Poison Frog					-	*	0/0/8
Ramphastos vitellinus citreoloemus	Citron throated Torrose	- 1						0/1	Dendrobates azureus	Blue Poison Frog	5	+	2	+	3		2/0/2
Surprission resembles envelopement	CHICATORNEO TORNES			100	-	*	200	0.1	Dendrobates leucomelas	Yellow-banded Poison Frog	3	130		-	1	*	0/0/2
Passariformes									Dendrobates truncatus	Yellow-&-black Poison Frog	16.	12	11		1	7(6)	1/2/28
Passeriformes	C						4	92	Ceratophrys cranwelli	Chaosan Horned Frog	1	-				+	1/0
Spreo superbus	Superb Starling		3	*	-	-	1	1/1	Ceratophrya ornata	Omate Horned Frog	1	-			1	-	
	Charles and the same of the sa			-											100		

			INVERTERRATES		
he market store for Salar and in	vertebrates at Whipanade represent the	numbers held at the end of 1908	INVERTEBRATES		
e numbers given for fishes and in	Activities at Authorises telicoent me	matrices nero at the con or 1979	ARACHNIDA		
			Araneae	Red-kneed Bird-esting Spider	4
SHES			Brachypelma smithi Grammostola cala		3
-				Chile Rose Bird-eating Spider	
araciformes			Lasiodora parahybana	Brazilian Bird-eating Spider	Colom
rasalmus nattereri	Red-bellied Piranha	20	Steatoda albomaculata	Gambian False Widow Spider	Colony
	Cardinal Tetra	40	Heteropoda venatoria	Huntsman Spider	1
rodon axelrodi		6			
ralestes interruptus	Congo Tetra	0	Scorpiones	127000217122	2020
			Pandinus imperator	Imperial Scorpion	8
priniformes	- 1-1		Pandinus sp.	Scorpion	2
bodes schwanenfeldt	Tinsel Barb	6	Unidentified buthid	Desert Scorpion	4
to chrysophekadion	Black Shark	1			
ocheilus aymonieri	Sucking Loach	2	Uropygi		
			Mastigoproctus giganteus	American Whip Scorpion	4
rinodontiformes					
nilia spp	Molly	Colony	MYRIAPODA		
hophorus variatus variatus	Platy	Colony	Chilopoda		
ophorus hellerii	Red Swordteil	Colony	Scolopendra sp.	Giant Centipede	2
			Scolopendra heros	Giant Centipede	4
erosteiformes			1.0000000000000000000000000000000000000		
осатры эр.	Seahorse	11	Diplopoda		
			Cambula annulata	Giant Millipede	Colony
motiformes					
trophorus electricus	Electric Eel	1	INSECTA		
			Orthoptera		
ciformes			Schistocerca gregaria	Desert Locust	Colony
hromia greenwoodi	Velvet Black Lake Victoria Cichlid	20		African Field Cricket	Colony
notus ocellatus	Oscar	1	Gryllus bimaculatus	Cave Cricket	Colony
uoma flavescens	Yellow Sailfin Tang	1	Pholeogryllus geertsi	Cave Cinker	Country
odactylus argenteus	Silver Fish	28	District of		
iptera parasema	Yellow-tailed Blue Damsel	4	Blattodea	***	-
synchiropus splendidus	Mandarin Fish	2	Gromphadorkina portentosa	Malagany Hissing Cockroach	Colony
hiprion percular	Percular Clownfish	5	61.		
hiprion clarkii	Clark's Clownfish	1	Coleoptera		1543030055
hiprion melanopus	Pacific Fire Clownfish	1	Orycles nasicornis	Buropean Rhino Beetle	Larvae
omis viridis	Blue-green Chromis	4	Eudicella grallithyrii	Fruit Chafer Beetle	Colony
eleotris zebra	Shotelk Goby	1	Eudicella woermanni	Fruit Chafer Beetle	Colony
oleotris evides	Torpedo Goby	1	Pachnoda nactigali	African Sun Beetle	Colony
canthus ovalanensis	Canary Blenny	i			
ias squanipinnis	Lypetail Coralfish	i	Lepidoptera		
A DOMESTIC OF THE PROPERTY OF	Tilapia	Colony	Heliconius melpomena	Postman Butterfly	Colony
nia sp.	Limpid	County	Heliconius charitonius	Zebra Butterfly	Colony
dformer			Pareulype berberata	Barberry Carpet Moth	Colony
uriformes	David Sankar Cartes	9			
cinclus vittatus	Dwarf Sucker Catfish	-	Hymenoptera		
nclus affinis	Dwarf Sucker Catfish	3	Acromyrmex octospinosus	Leaf-outter Ants	Colony
помы эр.	Plecostomus Catfish		Atta cephalotes	Leaf-outler Ants	Colony
			MARINE INVERTEBRAT	res	
	Total Fishes: approx. 29 species;	approx. 174 specimens; 4 colonies	Stichodactyla sp.	Carpet Anemone	1
			Ophiocomina sp.	Brittle Starfish	1
			Clibinarius vittatus	Hermit Crab	4
			Lysmata debelius	Blood Shrimp	2
			Lysiana accenso	David Manual	

#### **SUMMARY**

Mammals Birds Reptiles Amphibians	926 667 469 172 2739	93 (3) 187 (4) 54 (1) 51 (6) 511	581 180 122 10 633	52 71 5 1	512 168 132 88 846	346 (11) 97 (1) 49 - 246	690 698 459 144 2791	87 -136 -105 -14 -196
Mammals Birds Reptiles Amphibians	667 469 172	187 (4) 54 (1)	180 122 10	71	168 132 88	97 (1) 49	698 459 144	136 105
Mammals	667	187 (4)	180	71	168	97 (1)	698	136
	926	93 (3)	581	52	512	346 (11)	690	87
London Zoo								
andan Taa	1	2	3	4	5	6	7	species (excluding domestic) at 31.12.98

Domestics: Mammals - 15 species; Birds - 3 species

In addition: one colony of fishes (individuals not counted)

Estimated number of invertebrates in the Collection at 31 December 1998:

Invertebrates Approx. 5766 specimens (+ 5 colonies). Approx. 119 species

#### Whipsnade Wild Animal Park

Total	2706	91 (12)	342	92	155	88 (14)	2902	163
Amphibians	58	12	29	-	9	7 (6)	83	6
Reptiles	85	1	84	20	19	33 (1)	98	17
Birds	674	41 (1)	70	17	41	31 (4)	621	82
Mammals	1889	37(11)	159	55	86	17 (3)	2100	58

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

Domestics: Mammals - 10 species

Estimated number of fishes and invertebrates in the Collection at 31 December 1998:

Fishes Approx. 174 specimens (+ 4 colonies) 29 species

Invertebrates Approx. 40 specimens (+ 14 colonies; + larvae) 29 species

**Grand Total** 

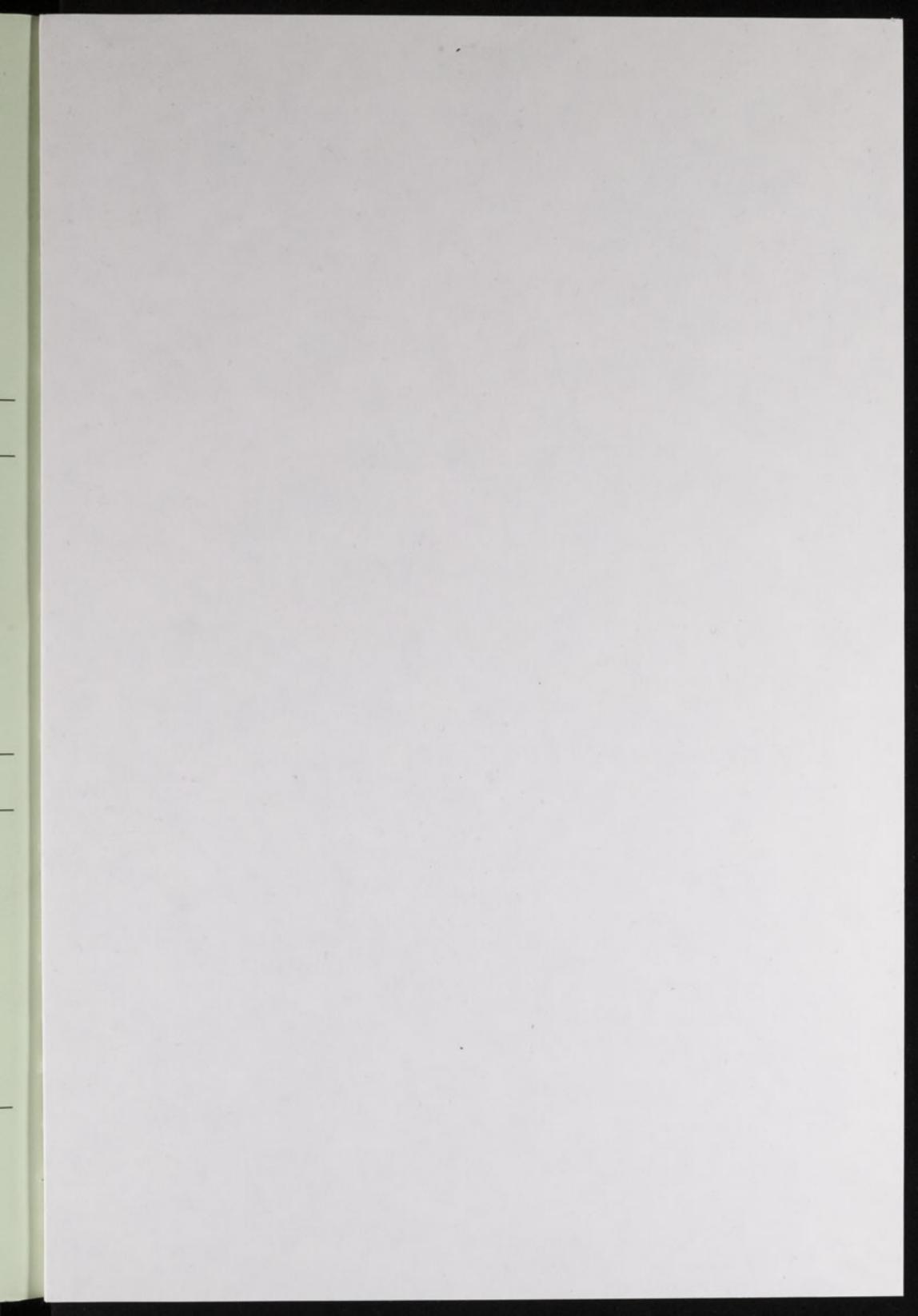
Zoological Society

of London 7679 987 1868 221 1901 826 7685 652\* excl. fishes

at Whipsnade

Grand Total of fishes: Grand Total of invertebrates: approx. 2965 specimens (+ 5 colonies) of 216 species\* approx. 5806 specimens (+ 19 colonies) of 135 species\*

<sup>\*</sup> The species common to London Zoo and Whipsnade Wild Animal Park are counted as one





ZOOLOGICAL SOCIETY OF LONDON

