

3.51. LONGWOOD SHOLA WETLAND

❖ **State / Union Territory:** Tamil Nadu

❖ **Name and address of person (s) compiling this information:**

- ▶ Dr. S. KANMANI, Professor and Director, Centre for Environmental Studies, Anna University, Chennai – 25.
- ▶ Dr. SARANYA KUPPUSAMY, Visiting Professor, Centre for Environmental Studies, Anna University, Chennai – 25.
- ▶ Dr. A. MERLINE SHEELA, Associate Professor, Centre for Environmental Studies, Anna University, Chennai – 25.

Section 1: Identification, Location and Jurisdiction

- 1.1 *Name of the Wetland:* Longwood Shola Wetland or Dodda Solai
- 1.2 *Name of the Village (s), Tehsil (s), Municipal area (s):* Kothagiri, Nilgiris, Kairbetta, Hosahatti, Aravenu, and Jakkanarai
- 1.3 *Name of the District (s) in which Wetlands complex located:* Nilgiris
- 1.4 *Geographical coordinates:*
 - ▶ Latitude: 10°11'12.9" N
 - ▶ Longitude: 77°17'44.3" E
- 1.5 *Name of the Department/ Agency which has jurisdiction over Wetland/ Wetland complex:* Forest Department

Section 2: Site Characteristics

2.1 *Area of Wetland:* 307.7 ha

2.2 *Wetland type:*

Category	Subcategory
✓ Natural (Inland)	☐ Permanent lakes ☐ Seasonal/ intermittent lakes ☐ Permanent streams/ creeks ☐ Seasonal/ intermittent streams/ creeks ☐ Oxbow ☐ River floodplain ✓ Permanent freshwater marshes ☐ Seasonal/ intermittent freshwater marshes ☐ Shrub-dominated Wetlands ☐ Tree-dominated Wetlands ☐ Geothermal Wetlands ☐ Karst and other subterranean hydrological

	systems
☐ Natural (Coastal)	☐ Coastal lagoon ☐ Estuary ☐ Intertidal mud, sand or salt flats ☐ Mangroves ☐ Coral reefs
☐ Human-made	☐ Aquaculture pond ☐ Tank ☐ Saltpan ☐ Dam/ Reservoir

2.3 *Depth (m):* Average - 1; Maximum - 2

2.4 *Elevation (m above mean sea level):* 1998

2.5 *Water regimes*

a) Main source of water

- ☒ Rainfall inflow from river
- ☐ Groundwater
- ☐ Catchment runoff
- ☐ Direct/ indirect inflow from river
- ☐ Others, please specify
- ☐ Name of River/ Canal System

b) Water performance

- ☒ Mostly permanent
- ☐ Mostly intermittent

c) Destination of water from Wetland

- ☐ Feeds groundwater river to sea
- ☒ To downstream catchment

d) Water pH

- ☐ Acid (< 5.5)
- ☒ Circumneutral (5.5-7.4)
- ☐ Alkaline (> 7.4)

e) Water salinity

- ☒ Fresh (< 0.5 g/l)
- ☐ Brackish (0.5-30 g/l)
- ☐ Euhaline (30-40 g/l)
- ☐ Hypersaline (> 40 g/l)
- ☐ Not known

f) Nutrients in water

- ☐ Eutrophic
- ☐ Mesotrophic
- ☒ Oligotrophic
- ☐ Not known

2.6 *Climatic setting*

a) Annual rainfall/Snowfall (mm): 645.1

b) Temperature (°C) Minimum 12.75 ; Maximum 20.75

c) Humidity (%) Minimum 85 ; Maximum 93.5

2.7 *Area of zone of influence (in ha):* 6215.30 ha (with an irregular radius of --- km)

2.8 *Major land use within zone of influence*

Land Use	Percentage
Forest	: 0%
Vegetation (Plantation)	: 55%
Agriculture	: 3%
Settlements (Rural)	: 21%
Settlements (Urban)	: 0%
Industrial	: 0%
Waste Land	: 21%

2.9 *Map of Wetland complex and zone of influence:* Enclosed as Annexure 3.51 (Fig. 3.51.1-3.51.2)

Section 3: Biodiversity

3.1 *Notable plant species present in Wetland:* The Wetland is home to a diverse range of plant species, totaling 74 species. (refer to Table 3.51.1 in Annexure 3.51).

3.2 *Notable animal species present in Wetland:* The Wetland supports a variety of animal species, with a total of 316 recorded species. This includes 17 mammal species, 25 reptile species, 19 amphibian species, 78 bird species, and 46 species of butterflies (refer to Table 3.51.2-3.51.3 in Annexure 3.51).

3.3 *Species of conservation significance:* Highlighted in Table 3.51.1-3.51.3.

3.4 *Major plant invasive alien species:* Not Available

3.5 *Major animal invasive alien species:* The Wetland supports 6 animal invasive species (refer to Table 3.51.4 in Annexure 3.51).

Section 4: Ecosystem Services

Importance	Relevance	Details
Source of drinking water for people living and around	☐ Yes ☒ No	
Source of water for agriculture	☐ Yes ☒ No	
Fisheries	☐ Yes ☒ No	
Cultivation of aquatic food plants	☐ Yes ☒ No	
For buffalo wallowing and use of domesticated animals	☐ Yes ☒ No	
Medicinal plants	☒ Yes ☐ No	Few Medicinal plants around the Wetland. Which is listed in Table 3.51.5 in Annexure 3.51
Is a recreational site	☐ Yes ☒ No	
Buffering communities from extreme events as floods and storms	☐ Yes ☒ No	
Groundwater recharge	☒ Yes ☐ No	Major source of ground water recharge
Water purification	☒ Yes ☐ No	Results into purification
Acts as a sink for sediments	☐ Yes ☒ No	
Has significant cultural and religious values	☐ Yes ☒ No	
Is a site for recreation and tourism	☐ Yes ☒ No	
Supports noteworthy plants species	☐ Yes ☒ No	
Support noteworthy animal species	☐ Yes ☒ No	

Site of high congregation of migratory water birds	☒ Yes ☐ No	Provides a suitable site for the high congregation of migratory water birds.
Supports life cycle of fish or amphibians	☒ Yes ☐ No	
Mining	☐ Yes ☒ No	
Any other	☐ Yes ☒ No	

Section 5: Pre-Existing Rights and Privileges

Nature of right and privilege	Relevant for the site	Does this negatively impact the Wetland's ecological health?	Brief description
Community Fishing (without any lease or permission from government department)	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Fishing under lease from government department	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Harvest of plants (without any lease or permission from government department)	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Harvest of plants under lease from government department	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Agriculture or horticulture within Wetland	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Grazing	☒ Yes ☐ No	☐ Yes ☐ No ☒ Not assessed	Bison communities
Religious practices	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	

Withdrawal of water for domestic use	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Withdrawal of water for agriculture or fisheries	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Bathing or wallowing of domestic animals	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Plying of boats	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	
Any other	☐ Yes ☒ No	☐ Yes ☐ No ☐ Not assessed	

Section 6: Present and Potential Threats

Threat	Degree	Present/ Potential	Additional info.
Changes in water inflow and outflow	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	
Pollution	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	
Unsustainable harvest of biological resources	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	
Mining	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	
Siltation	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	
Encroachment	☐ High ☐ Medium	☐ Present ☐ Potential	

	☐ Low		
Spread of invasive species	☐ High ☐ Medium ☒ Low	☒ Present ☐ Potential	Listed in Table 3.51.4-3.51.5 in Annexure 3.51
Any others	☐ High ☐ Medium ☐ Low	☐ Present ☐ Potential	

Section 7: Activities Proposed to Be Prohibited (other than those listed in Rule 4 (2) of Wetlands Rules and Regulated

Activity	Whether prohibited or regulated	Regulation within Wetlands zone of influence	If regulated indicates the level of regulation	Name of department/ agency responsible for regulation/ prohibition	Additional info.
Withdrawal of water / impoundment/diversion or any other hydrological intervention		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			
Harvesting of resources (living / non-living)		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			
Grazing		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			
Discharge of treated sewage/ effluent / wastewater		☐ Wetland/ Wetland complex boundary			

		☐ Zone of influence			
Construction of boat jetties, and facilities for temporary use, as pantoon bridges		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			
Aquaculture, agriculture and horticulture activities within the Wetland boundaries.		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			
Any others		☐ Wetland/ Wetland complex boundary ☐ Zone of influence			

Section 8: Activities Proposed to be permitted

Activity	Relevance	Within Wetlands or zone of influence	Additional info.
Tourism development		☒ Wetland/ Wetlands complex boundary ☐ Zone of influence	May permitted

Section 9: Listing of Available Scientific Resources Used

1. Aengals, R., Sathish Kumar, V. M., Palot, M. J., & Ganesh, S. R. (2018). *A checklist of reptiles of India* (Version 3.0). Online publication available at www.zsi.gov.in (Last update: May 2018).
2. Ali, S. (2002). *The book of Indian birds* (13th Revised ed.). Oxford University Press.
3. Bibby, C. J., Burgess, N. D., & Hill, D. A. (1993). *Bird census techniques*. Academic Press Limited.
4. Gamble, J. S., & Fischer, C. E. C. (1915-1935). *Flora of the Presidency of Madras*. Adlard and Son.
5. Grimmet, R., Inskipp, C., & Inskipp, T. (2000). *Pocket guide to the birds of the Indian subcontinent*. Oxford University Press.

6. Henry, A. N., Chithra, V. N., & Balakrishnan, P. (1989). *Flora of Tamil Nadu India. Series I: Analysis* (Vol. III). Botanical Survey of India.
7. K. Ratnam. (n.d.). *Birds of Tamil Nadu*.
8. Kamalakannan, M., & Nameer, P. O. (2019). A checklist of mammals of Tamil Nadu, India. *Journal of Threatened Taxa*, 11(8), 13992–14009. <https://doi.org/10.11609/jott.4705.11.8.13992-14009>
9. Kehimkar, I. (2008). *The book of Indian butterflies*. Bombay Natural History Society.
10. Mathew, K. M. (1981). *The material for the flora of the Tamilnadu Carnatic*. Madras, India.
11. Mathew, K. M. (1982). *Illustrations on the flora of the Tamilnadu Carnatic* (Vol. II). The Diocesan Press.
12. Mathew, K. M. (1983). *The flora of Tamilnadu Carnatic* (Vol. III). The Diocesan Press.
13. Mathew, K. M. (1988). *Further illustrations on the flora of the Tamilnadu Carnatic* (Vol. IV). The Diocesan Press.
14. Nair, N. C., & Henry, A. N. (1983). *Flora of Tamil Nadu, India. Series I* (Vol. 1). Botanical Survey of India, Southern Circle.

ANNEXURE 3.51

Fig 3.51.1. Zone of Influence of Longwood Shola Wetland

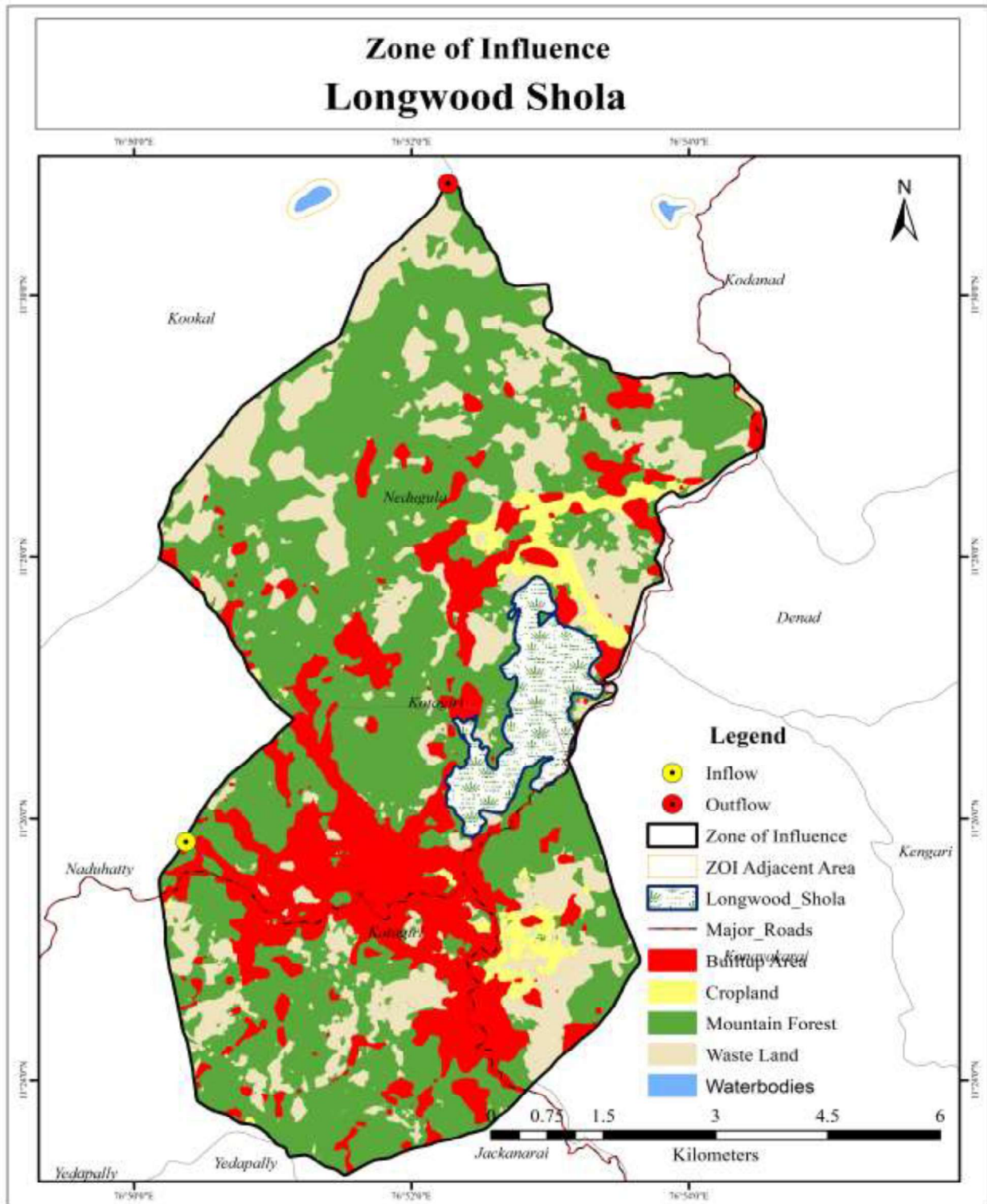


Fig 3.51.2. Map (2014 vs. 2024) and Land Use/ Land Cover of Longwood Shola Wetland

Map of the Wetland in 2011



Map of the Wetland in 2024



Land Use/ Land Cover of the Wetland

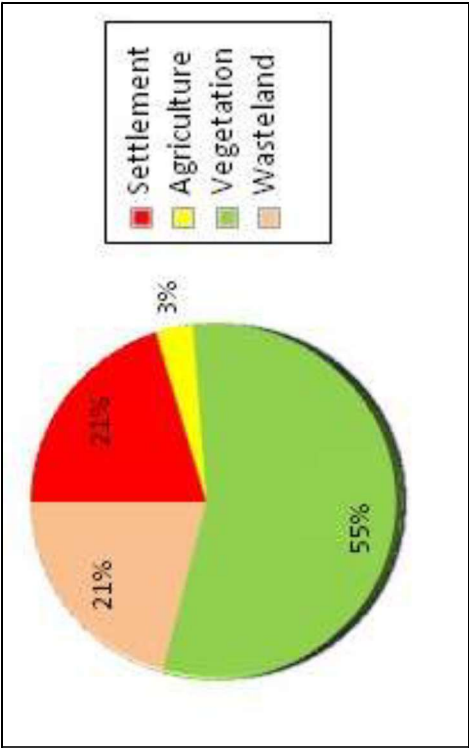


Table 3.51.1. IUCN Status of Floral Species in Longwood Shola Wetland

S. No.	Scientific Name of the Species	Family	Tamil Name	Habit	IUCN
1.	<i>Cayratia pedata</i>	Vitaceae	Thiraatchai	Climber	VU
2.	<i>Cissampelopsis walkeri</i>	Asteraceae	Pasumarathi	Climber	
3.	<i>Elaeagnus kologa</i>	Elaeagnaceae		Climber	
4.	<i>Jasminum brevilobum</i>	Oleaceae	Malligai	Climber	
5.	<i>Piper mullesua</i>	Piperaceae		Climber	
6.	<i>Piper schmidtii</i>	Piperaceae		Climber	
7.	<i>Sageretia hamosa</i>	Rhamnaceae		Climber	
8.	<i>Smilax wightii</i>	Smilacaceae		Climber	
9.	<i>Tetrastigma leucostaphylum</i>			Climber	
10.	<i>Toddalia aculeata</i>	Rutaceae	Mul Naram	Climber	
11.	<i>Vitis sp.</i>			Climber	
12.	<i>Asplenium decrescens</i>	Aspleniaceae		Fern	
13.	<i>Asplenium erectum</i>	Aspleniaceae		Fern	LC
14.	<i>Asplenium normale</i>	Aspleniaceae		Fern	
15.	<i>Dicranopteris linearis</i>	Gleicheniaceae		Fern	LC
16.	<i>Nephrolepis sp.</i>	Nephrolepidaceae		Fern	
17.	<i>Pteris quadriaurita</i>	Pteridaceae		Fern	
18.	<i>Isachne bourneorum</i>	Poaceae		Grass	
19.	<i>Calanthe triplicata</i>	Orchidaceae		Ground Orchid	
20.	<i>Arisaema tortuosum</i>	Araceae	Paambu Mookku	Herb	
21.	<i>Isodon wightii</i>	Lamiaceae		Herb	
22.	<i>Laportea bulbifera</i>	Urticaceae		Herb	
23.	<i>Pilea melastomataceae</i>	Urticaceae		Herb	
24.	<i>Scutellaria violacea</i>	Lamiaceae		Herb	
25.	<i>Solanum anguivi</i>	Solanaceae	Sundakkai	Herb	LC

26.	<i>Carex lindleyana</i>	Cyperaceae		Sedge	LC
27.	<i>Hedyotis sp.</i>	Rubiaceae		Shrub	
28.	<i>Lasianthus venulosus</i>	Rubiaceae		Shrub	
29.	<i>Maesa indica</i>	Primulaceae		Shrub	LC
30.	<i>Ophiorrhiza sp.</i>	Ophiorrhizaceae		Shrub	
31.	<i>Psychotria bisulcata</i>	Rubiaceae		Shrub	
32.	<i>Psychotria nilgiriensis</i>	Rubiaceae		Shrub	EN
33.	<i>Psychotria truncatus</i>	Rubiaceae		Shrub	
34.	<i>Solanaceae type</i>	Solanaceae		Shrub	
35.	<i>Actinodaphnae bourneae</i>	Lauraceae		Tree	EN
36.	<i>Celtis tetrandra</i>			Tree	LC
37.	<i>Cinnamomum sp.</i>	Lauraceae	Ilavangapattai	Tree	
38.	<i>Cinnamomum wightii</i>	Lauraceae		Tree	EN
39.	<i>Cryptocarya stocksii</i>	Lauraceae		Tree	VU
40.	<i>Daphniphyllum neilgherrense</i>	Daphniphyllaceae		Tree	
41.	<i>Debregeasia longifolia</i>	Urticaceae		Tree	LC
42.	<i>Elaeocarpus serratus</i>	Elaeocarpaceae	Kadukkai	Tree	
43.	<i>Euonymus crenulatus</i>	Celastraceae		Tree	
44.	<i>Eurya japonica</i>	Theaceae		Tree	
45.	<i>Excoecaria crenulata</i>	Euphorbiaceae		Tree	
46.	<i>Gardneria ovata</i>	Loganiaceae		Tree	
47.	<i>Glochidion neilgherrenses</i>	Phyllanthaceae		Tree	
48.	<i>Gordonia obtusa</i>	Theaceae		Tree	LC
49.	<i>Ilex denticulata</i>	Aquifoliaceae		Tree	
50.	<i>Ilex gardenaria</i>	Aquifoliaceae		Tree	
51.	<i>Isonandra perrottetiana</i>	Sapotaceae		Tree	
52.	<i>Ixora pavetta</i>	Rubiaceae		Tree	

53.	<i>Litsea floribunda</i>	Lauraceae		Tree	NT
54.	<i>Litsea myrsiticifolia</i>	Lauraceae		Tree	
55.	<i>Litsea sp.</i>	Lauraceae		Tree	
56.	<i>Litsea wightiana</i>	Lauraceae		Tree	NT
57.	<i>Litsea wightii</i>	Lauraceae		Tree	
58.	<i>Melicope lunu-ankenda</i>	Rutaceae		Tree	LC
59.	<i>Meliosma simplicifolia</i>	Sabiaceae		Tree	
60.	<i>Meliosma simplicifolia</i> var. <i>pungens</i>	Sabiaceae		Tree	
61.	<i>Memecylon randerianum</i>	Melastomataceae		Tree	
62.	<i>Myrsine wightiana</i>	Primulaceae		Tree	
63.	<i>Neolitsea pallens</i>	Lauraceae		Tree	
64.	<i>Neolitsea zeylanica</i>	Lauraceae		Tree	LC
65.	<i>Nothapodytes nimmoniana</i>			Tree	
66.	<i>Phoebe paniculata</i>	Lauraceae		Tree	LC
67.	<i>Phoebe wightii</i>	Lauraceae		Tree	LC
68.	<i>Symplocos cochinchinensis</i>			Tree	
69.	<i>Symplocos foliosa</i>			Tree	
70.	<i>Syzygium calophyllifolium</i>			Tree	
71.	<i>Syzygium densiflorum</i>			Tree	VU
72.	<i>Syzygium montanum</i>			Tree	
73.	<i>Turpinia nepalensis</i>	Staphyleaceae		Tree	
74.	<i>Vernonia arborea</i>			Tree	LC

Table 3.51.2. IUCN Status of Selected Fauna Species in Longwood Shola Wetland

S. No.	Scientific Name of the Species	Family	Common Name	IUCN
<i>A. Mammal</i>				
1.	<i>Bos gaurus</i>	Bovidae	Indian Gaur	VU

2.	<i>Panthera pardus</i>	Felidae	Common Leopard	VU
3.	<i>Sus scrofa cristatus</i>	Suidae	Wild Boar	LC
4.	<i>Muntiacus muntjak</i>	Cervidae	Barking Deer	LC
5.	<i>Felis chaus</i>	Felidae	Jungle Cat	LC
6.	<i>Hystrix indica</i>	Hystriidae	Indian Crested Porcupine	LC
7.	<i>Macaca radiata</i>	Cercopithecidae	Bonnet Macaque	VU
8.	<i>Martes gwatkinsii</i>	Mustelidae	Nilgiri Marten	VU
9.	<i>Ratufa indica</i>	Sciuridae	Malabar Giant Squirrel	LC
10.	<i>Moschiola indica</i>	Tragulidae	Mouse Deer	LC
11.	<i>Lepus nigricollis</i>	Leporidae	Black Naped Hare	LC
12.	<i>Funambulus palmarum</i>	Sciuridae	Three Striped Palm Squirrel	LC
13.	<i>Pteropus giganteus</i>	Pteropodidae	Flying Fox	LC
14.	<i>Rusa unicolor</i>	Cervidae	Sambar Deer	VU
15.	<i>Prionailurus bengalensis</i>	Felidae	Leopard Cat	LC
16.	<i>Melursus ursinus</i>	Ursidae	Sloth Bear	VU
17.	<i>Paradoxurus hermaphroditus</i>	Viverridae	Common Palm Civet	
B. Reptile				
1.	<i>Draco dussumieri</i>	Agamidae	western ghats flying lizard	LC
2.	<i>Calotes versicolor</i>	Agamidae	Garden Lizard	LC
3.	<i>Calotes nemoricola</i>	Agamidae	Nilgiri forest lizard	LC
4.	<i>Calotes calotes</i>	Agamidae	Green forest lizard	LC
5.	<i>Psammophilus dorsalis</i>	Agamidae	Peninsular rock Agama	LC
6.	<i>Chamaeleo zeylanicus</i>	Agamidae	Indian chameleon	LC
7.	<i>Eutropis carinata</i>	Scincidae	keeled grass skink	LC
8.	<i>Hemidactylus leschenaultii</i>	Gekkonidae	Bark Gecko	LC
9.	<i>Hemidactylus frenatus</i>	Gekkonidae	Common house Gecko	LC

10.	<i>Varanus bengalensis</i>	Varanidae	Bengal monitor lizard	NT
11.	<i>Rhabdophis plumbicolor</i>	Colubridae	Green keelback	LC
12.	<i>Amphiesma stolatum</i>	Colubridae	Buff striped keelback	LC
13.	<i>Hebius beddomei</i>	Colubridae	Beddome's keelback	LC
14.	<i>Boiga nuchalis</i>	Colubridae	Collared catsnake	LC
15.	<i>Boiga forsteni</i>	Colubridae	Forsten's cat snake	LC
16.	<i>Ptyas mucosa</i>	Colubridae	Ratsnake	LC
17.	<i>Lycodon travancoricus</i>	Colubridae	Travancore wolf snake	LC
18.	<i>Coelognathus helena</i>	Colubridae	Trinket snake	LC
19.	<i>Chrysopelea ornata</i>	Colubridae	Ornate Flying Snake	LC
20.	<i>Ahaetulla oxyrhyncha</i>	Colubridae	long-nosed vine snake	LC
21.	<i>Bungarus caeruleus</i>	Elapidae	common krait	LC
22.	<i>Plectrurus perroteti</i>	Uropeltidae	Nilgiri burrowing snake	LC
23.	<i>Python molurus</i>	Pythonidae	Indian python	NT
24.	<i>Draco dussumieri</i>		western ghats flying lizard	LC
25.	<i>Calotes versicolor</i>		Garden Lizard	LC
<i>C. Amphibian</i>				
1.	<i>Duttaphrynus melanostictus</i>	Bufonidae	Asian Common Toad	LC
2.	<i>Microhyla rubra</i>	Microhylidae	Red Narrow Mouthed Frog	LC
3.	<i>Uperodon triangularis</i>	Microhylidae		VU
4.	<i>Indosylvirana flavescens</i>	Ranidae		
5.	<i>Clinotarsus curtipes</i>	Ranidae	Bicolored Frog	NT
6.	<i>Rhacophorus malabaricus</i>	Rhacophoridae	Malabar Gliding Frog	LC
7.	<i>Ghatixalus variabilis</i>	Rhacophoridae		EN
8.	<i>Ghatixalus asterops</i>	Rhacophoridae		DD

9.	<i>Raorchestes charius</i>	Rhacophoridae		EN
10.	<i>Raorchestes signatus</i>	Rhacophoridae		EN
11.	<i>Raorchestes tinniense</i>	Rhacophoridae		EN
12.	<i>Raorchestes akroparallagi</i>	Rhacophoridae		LC
13.	<i>Raorchestes coonoorensis</i>	Rhacophoridae		LC
14.	<i>Euphlyctis cyanophlyctis</i>	Dicroglossidae		LC
15.	<i>Micrixalus phyllophilus</i>	Micrixalidae		VU
16.	<i>Nyctibatrachus indraneili</i>	Nyctibatrachidae		
17.	<i>Polypedates maculatus</i>	Rhacophoridae		LC
18.	<i>Hoplobatrachus tigerinus</i>	Dicroglossidae		LC
19.	<i>Duttaphrynus melanostictus</i>		Asian Common Toad	LC
<i>D. Butterfly</i>				
1.	<i>Acraea violae</i>	Nymphalidae	Tawny Coster	NE
2.	<i>Tirumala septentrionis</i>	Nymphalidae	Dark Blue Tiger	LC
3.	<i>Danaus chrysippus</i>	Nymphalidae	Plain Tiger	NE
4.	<i>Parantica nilgiriensis</i>	Nymphalidae	Nilgiri Tiger	NE
5.	<i>Euploea core</i>	Nymphalidae	Common Crow	LC
6.	<i>Parantica aglea</i>	Nymphalidae	Glassy Blue tiger	NE
7.	<i>Danaus genutia</i>	Nymphalidae	Striped Tiger	NE
8.	<i>Ypthima heubneri</i>	Nymphalidae	Common Fourring	NE
9.	<i>Ypthima chenui</i>	Nymphalidae	Nilgiri Fourring	NE
10.	<i>Cupha erymanthis</i>	Nymphalidae	Rustic	NE
11.	<i>Precis iphita</i>	Nymphalidae	Chocolate Pancy	NE
12.	<i>Hypolimnas misippus</i>	Nymphalidae	Danaid Eggfly	LC
13.	<i>Junonia lemonias</i>	Nymphalidae	Lemon Pansy	NE
14.	<i>Neptis hylas</i>	Nymphalidae	Common Sailer	LC
15.	<i>Phalanta phalantha</i>	Nymphalidae	Common leopard	LC
16.	<i>Pantoporia hordonia</i>	Nymphalidae	Common Lascar	

17.	<i>Ariadne ariadne</i>	Nymphalidae	Common Caster	NE
18.	<i>Ariadne ariadne</i>	Nymphalidae	Angled Caster	NE
19.	<i>Melanites leda</i>	Nymphalidae	Common Evening Brown	NE
20.	<i>Polyura athamas</i>		Common Nawab	
21.	<i>lethe rohria</i>		Common Tree brown	
22.	<i>Mycalesis oculus</i>		Red-Disc Bush brown	
23.	<i>Orsotrioena medus</i>		Nigger	
24.	<i>Athyma perius</i>		Common Sergeant	
25.	<i>Euthalia aconthea</i>		Common Baron	
26.	<i>Junonia atlites</i>		Grey Pansy	
27.	<i>Junonia almana</i>		Peacock Pansy	
28.	<i>Hypolimnas bolina</i>		Great Eggfly	
29.	<i>Mycalesis perseus</i>		Common Bushbrown	
30.	<i>Ypthima baldus</i>		Common Five-ring	
31.	<i>Ypthima ceylonica</i>		White Four-ring	
32.	<i>Libythea myrrha</i>		Club Beak	
33.	<i>Nacaduba kurava</i>	Lycaenidae	Transparent 6-Lineblue	NE
34.	<i>Chilades lajus</i>	Lycaenidae	Lime Blue	NE
35.	<i>Lampides boeticus</i>	Lycaenidae	Pea Blue	NE
36.	<i>Jamides celeno</i>	Lycaenidae	Common Cerulean	NE
37.	<i>Mycalesis patnia</i>		Glade-Eye Bushbrown	
38.	<i>Discolampa ethion</i>		Banded Blue Pierrot	
39.	<i>Spindasis vlucanus</i>	Lycaenidae	Common Silverline	NE
40.	<i>Rapala manea</i>	Lycaenidae	Slate Flash	NE
41.	<i>Rapala iarbus</i>		Indian Red Flash	

42.	<i>Abisara echerius</i>		Plum Judy	
43.	<i>Rathinda amor</i>		Monkey Puzzle	
44.	<i>Loxura atymnus</i>		Yam Fly	
45.	<i>Castalius rosimon</i>		Common Pierrot	
46.	<i>Talicauda nyseus</i>		Red Pierrot	
47.	<i>Iraota timoleon</i>		Silverstreak Blue	
48.	<i>Graphium sarpedon</i>	Papilionidae	Common Blue Bottle	LC
49.	<i>Papilio buddha</i>	Papilionidae	Common Banded Peacock	NE
50.	<i>Pachliopta hector</i>	Papilionidae	Common rose	NE
51.	<i>Graphium Agamemnon</i>	Papilionidae	Tailed Jay	LC
52.	<i>Pachliopta hector</i>	Papilionidae	Crimson Rose	NE
53.	<i>Papilio polytes</i>	Papilionidae	Common Mormon	NE
54.	<i>Papilio helenus</i>	Papilionidae	Red Helen	NE
55.	<i>Papilio polymnestor</i>	Papilionidae	Blue Mormon	LC
56.	<i>Papilio demoleus</i>	Papilionidae	Lime Butterfly	LC
57.	<i>Troides minos</i>	Papilionidae	Southern Birdwing	NE
58.	<i>Cepora nerissa</i>	Pieridae	Common Gull	NE
59.	<i>Peroronia valeria</i>		Common Wandere	
60.	<i>Ixias marianne</i>	Pieridae	White Orange Tip	NE
61.	<i>Delias eucharis</i>	Pieridae	Common Jezebel	NE
62.	<i>Eurema hecabe</i>	Pieridae	Common Grass Yellow	NE
63.	<i>Eurema blanda</i>	Pieridae	Three Spot Grass Yellow	NE
64.	<i>Anaphaeis aurota</i>		Pioneer	
65.	<i>Catopsilia crocale</i>	Pieridae	Lemon Emigrant	NE
66.	<i>Hebomia glaucippe</i>		Great Orange Tip	
67.	<i>Catopsillia pomona</i>		Common Emigrant	

68.	<i>Caprona ransonnetti</i>		Golden Angle	
69.	<i>Iambrix salsala</i>		Chestnut Bob	
70.	<i>Baoris farri</i>		Paintbrush Swift	
71.	<i>Badamia exclamationis</i>		Brown Awl	
72.	<i>Calaenorrhinus ambareesa</i>		Malabar Spotted Flat	
73.	<i>Hasora chromus</i>		Common Banded Awl	
74.	<i>Spialia galba</i>		Indian Skipper	
75.	<i>Oriens goloides</i>		Common Dartlet	
76.	<i>Taractrocera ceramas</i>		Tamil Grass Dart	
77.	<i>Pelopidas mathias</i>		Small Banded Swift	
78.	<i>Borbo chinnara</i>		Rice Swift	

LC – Least Concern; * - Yes

Table 3.51.3. IUCN Status of Bird Species in Longwood Shola Wetland

S. No.	Scientific Name of the Species	Family Name	Common name	IUCN
1.	<i>Accipiter badius</i>	Accipitridae	Shikra	LC
2.	<i>Accipiter trivirgatus</i>	Accipitridae	Crested Goshawk	LC
3.	<i>Aquila fasciata</i>	Accipitridae	Bonelli's Eagle	LC
4.	<i>Buteo buteo</i>	Accipitridae	Common Buzzard	LC
5.	<i>Circus gallicus</i>	Accipitridae	Short-toed Snake-Eagle	LC
6.	<i>Elanus caeruleus</i>	Accipitridae	Black-winged Kite (Black-shouldered Kite)	LC
7.	<i>Haliastur indus</i>	Accipitridae	Brahminy Kite	LC
8.	<i>Ictinaetus malaiensis</i>	Accipitridae	Black Eagle	LC
9.	<i>Lophotriorchis kienerii</i>	Accipitridae	Rufous-bellied Eagle	NT
10.	<i>Milvus migrans</i>	Accipitridae	Black Kite	LC
11.	<i>Pernis ptilorhynchus</i>	Accipitridae	Oriental Honey-buzzard (Crested Honey Buzzard)	LC
12.	<i>Spilornis cheela</i>	Accipitridae	Crested Serpent-Eagle	LC
13.	<i>Acrocephalus dumetorum</i>	Acrocephalida	Blyth's Reed Warbler	LC

		e		
14.	<i>Iduna caligata</i>	Acrocephalidae	Booted Warbler	LC
15.	<i>Aegithina tiphia</i>	Aegithinidae	Common Iora	LC
16.	<i>Eremopterix griseus</i>	Alaudidae	Ashy-crowned Sparrow-Lark	LC
17.	<i>Galerida malabarica</i>	Alaudidae	Malabar Lark	LC
18.	<i>Halcyon smyrnensis</i>	Alcedinidae	White-throated Kingfisher	LC
19.	<i>Alcippe poiocephala</i>	Alcippeidae	Brown-cheeked Fulvetta	LC
20.	<i>Aerodramus unicolor</i>	Apodidae	Indian Swiftlet	LC
21.	<i>Apus affinis</i>	Apodidae	Little Swift	LC
22.	<i>Apus melba</i>	Apodidae	Alpine Swift	LC
23.	<i>Cypsiurus balasiensis</i>	Apodidae	Asian Palm-Swift	LC
24.	<i>Hirundapus giganteus</i>	Apodidae	Brown-backed Needletail	LC
25.	<i>Zoonavena sylvatica</i>	Apodidae	White-rumped Needletail	LC
26.	<i>Ardea purpurea</i>	Ardeidae	Purple Heron	LC
27.	<i>Ardeola grayii</i>	Ardeidae	Indian Pond-Heron	LC
28.	<i>Bubulcus ibis</i>	Ardeidae	Cattle Egret	LC
29.	<i>Egretta garzetta</i>	Ardeidae	Little Egret	LC
30.	<i>Artamus fuscus</i>	<u>Artamidae</u>	Ashy Woodswallow	LC
31.	<i>Ocyrceros griseus</i>	Bucerotidae	Malabar Grey Hornbill	VU
32.	<i>Pericrocotus cinnamomeus</i>	Campephagidae	Small Minivet	LC
33.	<i>Pericrocotus flammeus</i>	Campephagidae	Orange Minivet	LC
34.	<i>Vanellus indicus</i>	Charadriidae	Red-wattled Lapwing	LC
35.	<i>Chloropsis aurifrons</i>	Chloropseidae	Golden-fronted Leafbird	LC
36.	<i>Chloropsis jerdoni</i>	Chloropseidae	Jerdon's Leafbird	LC
37.	<i>Anastomus oscitans</i>	Ciconiidae	Asian Openbill	LC
38.	<i>Orthotomus sutorius</i>	Cisticolidae	Common Tailorbird	LC
39.	<i>Prinia socialis</i>	Cisticolidae	Ashy Prinia	LC
40.	<i>Chalcophaps indica</i>	Columbidae	Asian Emerald Dove	LC
41.	<i>Columba elphinstonii</i>	Columbidae	Nilgiri Wood-Pigeon	VU
42.	<i>Columba livia</i>	Columbidae	Rock Pigeon (Blue Rock Pigeon)	LC

43.	<i>Streptopelia chinensis</i>	Columbidae	Spotted Dove	LC
44.	<i>Streptopelia decaocto</i>	Columbidae	Eurasian Collared-Dove	LC
45.	<i>Streptopelia senegalensis</i>	Columbidae	Laughing Dove	LC
46.	<i>Copsychus fulicatus</i>	Coraciidae	Indian Robin	LC
47.	<i>Coracias benghalensis</i>	Coraciidae	Indian Roller	LC
48.	<i>Corvus macrorhynchos</i>	Corvidae	Large-billed Crow	LC
49.	<i>Corvus splendens</i>	Corvidae	House Crow	LC
50.	<i>Dendrocitta vagabunda</i>	Corvidae	Rufous Treepie	LC
51.	<i>Cacomantis sonneratii</i>	Cuculidae	Banded Bay Cuckoo	LC
52.	<i>Centropus sinensis</i>	Cuculidae	Greater Coucal	LC
53.	<i>Eudynamys scolopaceus</i>	Cuculidae	Asian Koel	LC
54.	<i>Hierococcyx varius</i>	Cuculidae	Common Hawk-Cuckoo	LC
55.	<i>Phaenicophaeus viridirostris</i>	Cuculidae	Blue-faced Malkoha	LC
56.	<i>Dicaeum agile</i>	Dicaeidae	Thick-billed Flowerpecker	LC
57.	<i>Dicaeum concolor</i>	Dicaeidae	Nilgiri Flowerpecker	LC
58.	<i>Dicaeum erythrorhynchos</i>	Dicaeidae	Pale-billed Flowerpecker	LC
59.	<i>Dicrurus aeneus</i>	Dicruridae	Bronzed Drongo	LC
60.	<i>Dicrurus caerulescens</i>	Dicruridae	White-bellied Drongo	LC
61.	<i>Dicrurus leucophaeus</i>	Dicruridae	Ashy Drongo	LC
62.	<i>Dicrurus macrocercus</i>	Dicruridae	Black Drongo	LC
63.	<i>Dicrurus paradiseus</i>	Dicruridae	Greater Racket-tailed Drongo	LC
64.	<i>Amandava amandava</i>	Estrildidae	Red Avadavat	LC
65.	<i>Euodice malabarica</i>	Estrildidae	Indian Silverbill	LC
66.	<i>Lonchura kelaarti</i>	Estrildidae	Black-throated Munia	LC
67.	<i>Lonchura punctulata</i>	Estrildidae	Scaly-breasted Munia (Spotted Munia)	LC
68.	<i>Lonchura striata</i>	Estrildidae	White-rumped Munia	LC
69.	<i>Carpodacus erythrinus</i>	Fringillidae	Common Rosefinch	LC
70.	<i>Hemiprocne coronata</i>	Hemiprocnidae	Crested Treeswift	LC
71.	<i>Cecropis daurica</i>	Hirundinidae	Red-rumped Swallow	LC
72.	<i>Delichon urbicum</i>	Hirundinidae	Common House-Martin	LC

73.	<i>Hirundo domicola</i>	Hirundinidae	Hill Swallow	LC
74.	<i>Hirundo rustica</i>	Hirundinidae	Barn Swallow	LC
75.	<i>Ptyonoprogne concolor</i>	Hirundinidae	Dusky Crag-Martin	LC
76.	<i>Irena puella</i>	Irenidae	Asian Fairy-bluebird	LC
77.	<i>Lanius cristatus</i>	Laniidae	Brown Shrike	LC
78.	<i>Lanius schach</i>	Laniidae	Long-tailed Shrike	LC
79.	<i>Montecincla cachinnans</i>	Leiothrichidae	Nilgiri Laughingthrush (Nilgiri Chilappan)	EN
80.	<i>Argya affinis</i>	Leiothrichidae	Yellow-billed Babbler	LC
81.	<i>Argya striata</i>	Leiothrichidae	Jungle Babbler	LC
82.	<i>Argya subrufa</i>	Leiothrichidae	Rufous Babbler	LC
83.	<i>Psilopogon haemacephalus</i>	Megalaimidae	Coppersmith Barbet	LC
84.	<i>Psilopogon viridis</i>	Megalaimidae	White-cheeked Barbet	LC
85.	<i>Psilopogon zeylanicus</i>	Megalaimidae	Brown-headed Barbet	LC
86.	<i>Merops leschenaulti</i>	Meropidae	Chestnut-headed Bee-eater	LC
87.	<i>Merops orientalis</i>	Meropidae	Green Bee-eater	LC
88.	<i>Nyctyornis athertoni</i>	Meropidae	Blue-bearded Bee-eater	LC
89.	<i>Hypothymis azurea</i>	Monarchidae	Black-naped Monarch	LC
90.	<i>Terpsiphone paradisi</i>	Monarchidae	Indian Paradise-Flycatcher	LC
91.	<i>Dendronanthus indicus</i>	Motacillidae	Forest Wagtail	LC
92.	<i>Motacilla cinerea</i>	Motacillidae	Grey Wagtail	LC
93.	<i>Motacilla flava</i>	Motacillidae	Western Yellow Wagtail	LC
94.	<i>Motacilla maderaspatensis</i>	Motacillidae	White-browed Wagtail	LC
95.	<i>Copsychus saularis</i>	Muscicapidae	Oriental Magpie-Robin	LC
96.	<i>Cyornis pallidipes</i>	Muscicapidae	White-bellied Blue Flycatcher	LC
97.	<i>Cyornis tickelliae</i>	Muscicapidae	Tickell's Blue Flycatcher	LC
98.	<i>Eumyias albicaudatus</i>	Muscicapidae	Nilgiri Flycatcher	LC
99.	<i>Eumyias thalassinus</i>	Muscicapidae	Verditer Flycatcher	LC
100.	<i>Ficedula nigrorufa</i>	Muscicapidae	Black-and-orange Flycatcher	LC
101.	<i>Ficedula subrubra</i>	Muscicapidae	Kashmir Flycatcher	VU
102.	<i>Larvivera brunnea</i>	Muscicapidae	Indian Blue Robin	LC
103.	<i>Monticola cinclorhyncha</i>	Muscicapidae	Blue-capped Rock-Thrush	LC

104.	<i>Monticola solitarius</i>	Muscicapidae	Blue Rock-Thrush	LC
105.	<i>Muscicapa dauurica</i>	Muscicapidae	Asian Brown Flycatcher	LC
106.	<i>Myophonus horsfieldii</i>	Muscicapidae	Malabar Whistling-Thrush	LC
107.	<i>Saxicola caprata</i>	Muscicapidae	Pied Bushchat	LC
108.	<i>Sholicola major</i>	Muscicapidae	Nilgiri Blue Robin (Nilgiri Sholakili)	EN
109.	<i>Arachnothera longirostra</i>	Nectariniidae	Little Spiderhunter	LC
110.	<i>Cinnyris asiaticus</i>	Nectariniidae	Purple Sunbird	LC
111.	<i>Cinnyris lotenius</i>	Nectariniidae	Loten's Sunbird	LC
112.	<i>Leptocoma minima</i>	Nectariniidae	Crimson-backed Sunbird (Small Sunbird)	LC
113.	<i>Leptocoma zeylonica</i>	Nectariniidae	Purple-rumped Sunbird	LC
114.	<i>Oriolus chinensis</i>	Oriolidae	Black-naped Oriole	LC
115.	<i>Oriolus kundoo</i>	Oriolidae	Indian Golden Oriole	LC
116.	<i>Oriolus xanthornus</i>	Oriolidae	Black-hooded Oriole	LC
117.	<i>Anthus hodgsoni</i>	otacillidae	Olive-backed Pipit	LC
118.	<i>Anthus nilghiriensis</i>	otacillidae	Nilgiri Pipit	VU
119.	<i>Machlolophus aplonotus</i>	Paridae	Indian Yellow Tit	LC
120.	<i>Parus cinereus</i>	Paridae	Cinereous Tit (Great Tit)	LC
121.	<i>Gymnoris xanthocollis</i>	Passeridae	Yellow-throated Sparrow	LC
122.	<i>Passer domesticus</i>	Passeridae	House Sparrow	LC
123.	<i>Pavo cristatus</i>	Passeridae	Indian Peafowl	LC
124.	<i>Pellorneum ruficeps</i>	Pellorneidae	Puff-throated Babbler	LC
125.	<i>Galloperdix spadicea</i>	Phasianidae	Red Spurfowl	LC
126.	<i>Gallus sonneratii</i>	Phasianidae	Grey Junglefowl	LC
127.	<i>Ortygornis pondicerianus</i>	Phasianidae	Grey Francolin	LC
128.	<i>Perdica asiatica</i>	Phasianidae	Jungle Bush-Quail	LC
129.	<i>Perdica erythrorhyncha</i>	Phasianidae	Painted Bush-Quail	LC
130.	<i>Phylloscopus affinis</i>	Phylloscopidae	Tickell's Leaf Warbler	LC
131.	<i>Phylloscopus magnirostris</i>	Phylloscopidae	Large-billed Leaf Warbler	LC
132.	<i>Phylloscopus nitidus</i>	Phylloscopidae	Green Warbler	LC
133.	<i>Phylloscopus occipitalis</i>	Phylloscopidae	Western Crowned Warbler	LC

134.	<i>Phylloscopus trochiloides</i>	Phylloscopidae	Greenish Warbler	LC
135.	<i>Phylloscopus tytleri</i>	Phylloscopidae	Tytler's Leaf Warbler	LC
136.	<i>Chrysocolaptes guttacristatus</i>	Picidae	Greater Flameback	LC
137.	<i>Leiopicus mahrattensis</i>	Picidae	Yellow-crowned Woodpecker	LC
138.	<i>Micropternus brachyurus</i>	Picidae	Rufous Woodpecker	LC
139.	<i>Picumnus innominatus</i>	Picidae	Speckled Piculet	LC
140.	<i>Picus chlorolophus</i>	Picidae	Lesser Yellownappe	LC
141.	<i>Picus xanthopygaeus</i>	Picidae	Streak-throated Woodpecker	LC
142.	<i>Yungipicus nanus</i>	Picidae	Brown-capped Pygmy Woodpecker	LC
143.	<i>Dinopium benghalense</i>	Psittacidae	Black-rumped Flameback	LC
144.	<i>Psittacula columboides</i>	Psittacidae	Malabar Parakeet (Blue-winged Parakeet)	LC
145.	<i>Psittacula krameri</i>	Psittacidae	Rose-ringed Parakeet	LC
146.	<i>Loriculus vernalis</i>	Psittaculidae	Vernal Hanging-Parrot	LC
147.	<i>Brachypodius priocephalus</i>	Pycnonotidae	Grey-headed Bulbul	NT
148.	<i>Hypsipetes ganeesa</i>	Pycnonotidae	Square-tailed Bulbul (Black Bulbul)	LC
149.	<i>Iole indica</i>	Pycnonotidae	Yellow-browed Bulbul	LC
150.	<i>Pycnonotus cafer</i>	Pycnonotidae	Red-vented Bulbul	LC
151.	<i>Pycnonotus jocosus</i>	Pycnonotidae	Red-whiskered Bulbul	LC
152.	<i>Pycnonotus luteolus</i>	Pycnonotidae	White-browed Bulbul	LC
153.	<i>Rubigula gularis</i>	Pycnonotidae	Flame-throated Bulbul	LC
154.	<i>Amaurornis phoenicurus</i>	Rallidae	White-breasted Waterhen	LC
155.	<i>Rhipidura albogularis</i>	Rhipiduridae	Spot-breasted Fantail (White-spotted Fantail)	LC
156.	<i>Rhipidura aureola</i>	Rhipiduridae	White-browed Fantail	LC
157.	<i>Tringa ochropus</i>	Scolopacidae	Green Sandpiper	LC
158.	<i>Sitta frontalis</i>	Sittidae	Velvet-fronted Nuthatch	LC
159.	<i>Culicicapa ceylonensis</i>	<u>Stenostiridae</u>	Grey-headed Canary-Flycatcher	LC
160.	<i>Athene brama</i>	Strigidae	Spotted Owlet	LC
161.	<i>Bubo nipalensis</i>	Strigidae	Spot-bellied Eagle-Owl	LC
162.	<i>Ketupa zeylonensis</i>	Strigidae	Brown Fish-Owl	LC

163.	<i>Strix leptogrammica</i>	Strigidae	Brown Wood-Owl	LC
164.	<i>Acridotheres fuscus</i>	Sturnidae	Jungle Myna	LC
165.	<i>Acridotheres tristis</i>	Sturnidae	Common Myna	LC
166.	<i>Gracula indica</i>	Sturnidae	Southern Hill Myna	LC
167.	<i>Sturnia pagodarum</i>	Sturnidae	Brahminy Starling	LC
168.	<i>Dumetia hypertyra</i>	Timaliidae	Tawny-bellied Babbler	LC
169.	<i>Pomatorhinus horsfieldii</i>	Timaliidae	Indian Scimitar-Babbler	LC
170.	<i>Harpactes fasciatus</i>	Trogonidae	Malabar Trogon	LC
171.	<i>Geokichla citrina</i>	Turdidae	Orange-headed Thrush	LC
172.	<i>Turdus simillimus</i>	Turdidae	Indian Blackbird	LC
173.	<i>Zoothera neilgherriensis</i>	Turdidae	Nilgiri Thrush	LC
174.	<i>Upupa epops</i>	Upupidae	Eurasian Hoopoe	LC
175.	<i>Hemipus picatus</i>	Vangidae	Bar-winged Flycatcher-shrike	LC
176.	<i>Tephrodornis pondicerianus</i>	Vangidae	Common Woodshrike	LC
177.	<i>Zosterops palpebrosus</i>	Zosteropidae	Indian White-eye (Oriental White-eye)	LC

LC – Least Concern; * - Yes; T – Terrestrial; A – Aquatic; D – Dry/ desert; NT – Near Threatened

Table 3.51.4. IUCN Status of major animal invasive alien species in Longwood Shola Wetland

S.No	Species	Family	Common name	IUCN
A. Mammal				
1.	<i>Muntiacus muntjak</i>	Cervidae	Barking Deer	LC
B. Reptile				
2.	<i>Hemidactylus Frenatus</i>	Gekkonidae	House gecko	LC
3.	<i>Calotes versicolor</i>	Agamidae	Garden Lizard	LC
C. Birds				
4.	<i>Acridotheres tristis</i>	Sturnidae	Common Myna	LC
5.	<i>Passer domesticus</i>	Passeridae	House Sparrow	LC
D. Amphibian				
6.	<i>Hoplobatrachus tigerinus</i>	Dicroglossidae		LC

Table 3.51.5. IUCN Status of major medicinal plant species in Longwood Shola Wetland

S. No.	Scientific Name of the Species	Family	Tamil Name	Habit	IUCN
1.	<i>Cassia fistula</i>	Caesalpiniaceae		Tree	LC
2.	<i>Caryota urens</i>	Arecaceae	Koonthapanai	Tree	LC
3.	<i>Corallocarpus epigaeus</i>	Cucurbitaceae	Akasha karuden	Climber	Lc
4.	<i>Drosera burmannii</i>	Droseraceae	Alukanni	Herb	LC
5.	<i>Drymaria cordata</i>	Caryophyllaceae	Puliarai	Herb	LC
6.	<i>Ruta graveolans</i>	Rutaceae	Aruvathampatch	Shrub	LC
7.	<i>Terminalia chebula</i>	Combretaceae		Tree	LC
8.	<i>Tinospora cordifolia</i>	Menispermaceae	Seendhil	Climber	NE
9.	<i>Tridax procumbens</i>	Compositae	Vettukkaaya-thazhai	Herb	LC
10.	<i>Tylophora indica</i>	Asclepiadaceae	Naippalai	Climber	NE

CHECK LIST

- ✓ Responsible agency has been clearly identified and details of contact person included
- ✓ Wetland/Wetlands complex boundary has been delineated using GIS and firmed up by adequate ground truthing
- ✓ Wetland/Wetlands complex map has been provided at required scale
- ✓ Zone of influence has been delineated and included in Wetland map or a separate map
- ✓ Wetland zone of influence is sufficient to manage all activities
- ✓ Site's importance have been listed, and for major categories, justification provided
- ✓ Site's biodiversity values are listed, and for major categories, justification provided
- ✓ List of pre-existing rights and privileges provided
- ✓ Consistency or, inconsistency of pre-existing rights and privileges indicated to be best of available knowledge
- ✓ Threats to site listed, and for major categories details provided
- ✓ Activities prohibited, beyond those already listed in Rule 4 (2) have been mentioned
- ✓ List of activities to be regulated within Wetlands and zone of influence is provided
- ✓ List of activities to be permitted is provided