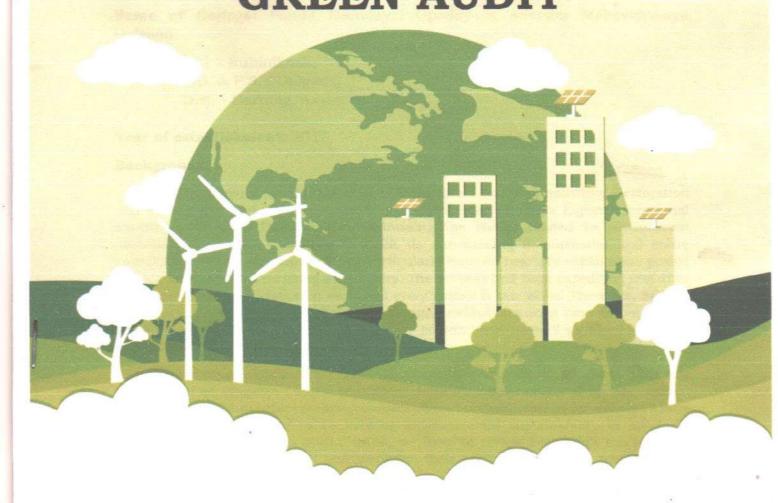
2022-2023 GREEN AUDIT



Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya Dalgaon

Prepared by IQAC, PDUAM Dalgaon

Audited by Prof. Prasanta Kumar Saikia Professor, Department of Zoology, Gauhati University

GREEN AUDIT

Name of College: Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya Dalgaon

Address: Vill. - Ruhinikash, P.O. & P.S. - Dalgaon, Dist. - Darrang, Assam

Year of establishment: 2017

Background

Environment is key controller of all living forms and their activities. Restoration and sustainability of our environment is a global issue. Being a higher educational institution, PDUAM Dalgaon also addressing the issues related to environment providing substantial weightage to uplift its surrounding in particular and entire country as a whole. Human activities particularly want on resource exploitation posing threats for survival of us along with others. The process had been expediting just after the start of industrialization in each and every corner of our globe. Therefore, being a leader of our society, we the higher educational institutions must have to have some scientific approach for sustainability of our environment as well as to educate our students and other stack holders.

Environment audit of the PDUAM, Dalgaon is a primary approach with any appraisal of all available natural resources, those have been endowed by birth and at present context what extent of these resources have been exploited so far and also future plan of remaining resources by keeping environmental sustainability in mind. To prepare a budget on such a vital issue, we have to review first of all the available resources of our environment and secondly, their existing managerial practices and lastly their future plan of consumption keeping the RRR (Reduce, Reuse, and Recycle) concept in mind. The present audit has also been prepared by keeping the slogan "Think Globally and Act Locally". The different heads of the present environmental audit of our college are as follows:

- 1. Land use pattern and its management
- 2. Water resource and its management
- 3. Biodiversity resources and its conservation
- 4. Waste and its management
- 5. Emission and its management

1. LAND USE PATTERN AND ITS MANAGEMENT

PDUAM, Dalgaon is situated at the north bank of Brahmaputra of the state of Assam having latitude 26.5430 to 26.5462 North and longitude 92.1914 to 92.1942 East. The soil is basically sand to loamy in texture and acidic in reaction with medium to high in organic carbon and low in phosphorus and potassium. The college has endowed a total land resource of 60468.56 sq. mtrs., out of which 37% of land has been used for different constructions (buildings) and 9% of land has been used for internal roads. Approximately, 18% of total land area is being used for playground covered with natural grass. Till now only 5% of the total unused open area has been utilized for plantation. Water bodies cover 16% of the total area of the college. The land use pattern of PDUAM, Dalgaon is depicted in Figure 1.

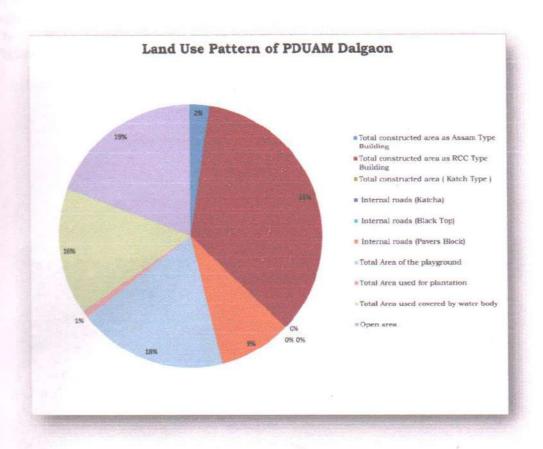


Figure 1: Land use pattern of PDUAM, dalgaon

Audit suggestions

From the data of the land use pattern so far, the college is trying its best to maintain the sustainability as well as the environmental health as it has sufficient percentage of open area (more than 63%). The college have to take initiative to enhance plantation

area percentage in near future. Sufficient drainage provision should be there to drain out the liquid waste.

2. WATER RESOURCE AND ITS MANAGEMENT

Prom the available data, the average annual rainfall in and around Dalgaon is about 1664.84 mm (Source). The college has been receiving approximately 10,06,70,477.4 liters of water annually through precipitation. It has been revealed that a major portion of the said amount has been evaporating and goes waste as surface runoff. The open grass land of the college has recharging ground water a lot. The water bodies of the college are able to conserve 1,42,95,120 liters of rain water which is about 14% of the total annual water received through precipitation. The available roof area of the college buildings may be used for harvesting of rain water. The college having the opportunity to harvest as much as 3,75,40,144.19 liters of water from rooftops. Out of which only 0.015% has have been harvested so far using conservation measures shown in Figure 3. The estimation so far regarding water consumption, it has revealed that the college (including staff quarters) is exploiting 4745000 liters of ground water annually. The 100% of the said amount till now have been exploited from ground water resources.



Figure 2: Water body/Pond of PDUAM, Dalgaon

Audit suggestions

From the data of water resource and its management of PDUAM Dalgaon, it has been revealed that college having an enough scope to harvest rain water. Water recycling initiative should be taken under consideration to manage the precious resource in near future. Conserving 14% of surface water by existing water bodies is appreciable.





Figure 3: Water conservation measures

3. BIODIVERSITY RESOURCES AND ITS CONSERVATION

This section presents the floral and faunal biodiversity status of PDUAM, Dalgaon collected by department of Botany and Zoology, PDUAM, Dalgaon.

Table 1: Floral diversity of the college

		Floral Diver	sity	
Herbs	Shrubs	Trees	Epiphytes	Hydrophytes
74 species	15 species	53 species	8 species	22 species .

Annexure I: Floral Biodiversity register

Table 2: Faunal diversity of the college

		Faunal Di	versity		
Mammals	Birds	Reptiles	Amphibians	Fishes	Invertebrates
6 species	16 species	9 species	5 species	21 species	69 species

Annexure II: Faunal Biodiversity register

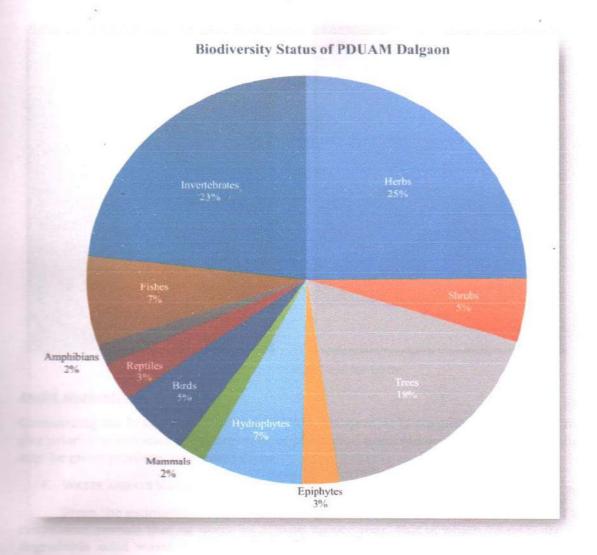


Figure 4: Biodiversity status of the college

From the data of biodiversity register so far, the campus showing a satisfactory status for entire biodiversity. In context to floral biodiversity, richness is shown by herbs followed by trees, hydrophytes, shrubs, and epiphytes respectively. While in faunal diversity, highest richness is observed in invertebrates followed by fish, birds, reptiles, mammals and amphibians. 9.88% of plant species of the college campus having medicinal importance. 18.86% of plant species providing food for wild birds and mammals in the campus. 43% of birds preferring the campus as their nesting site. As shown in Figure 5, college also trying to provide artificial nest for birds keeping the motto of biodiversity conservation. College also developing a system for breeding of indigenous ornamental fish as well as submerged and rooted aquatic plant for conservation of bio resources and sustainable development as shown in Figure 3.

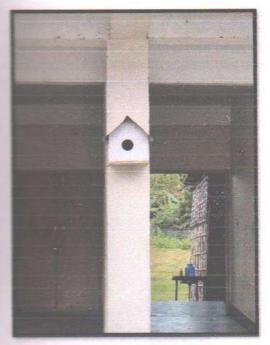




Figure 5: Artificial Nest for birds

Audit suggestions

Considering the biodiversity audit of PDUAM, Dalgaon, it is suggested that college may give priority to enhance the percentage of plantation area. Medicinal plants and orchids may be given privilege for conservation.

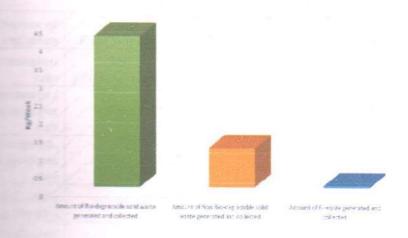
4. WASTE AND ITS MANAGEMENT

From the estimation of the solid waste generated from the different sources of the institution, reveals that as many as 275.08 Kg per year. Out of which 78.64% are biometable solid waste. Approximately, 50% of the said amount has been used to reduce organic manure by vermicomposting. Majority of non-biodegradable solid waste being sold as scrap for recycling. The institution is also planning to conduct an MoU with a non-government organization (NGO) for utilization of said substances in the said inture. Figure 6 presents the amount of solid and liquid waste generated in the college from various activities.

Bio- degradable solid waste generated and collected (Kg/Week)	Non Bio- degradable solid waste generated and collected (Kg/Week)	E- waste generated and collected in the college (Kg/Month)	Reusable liquid waste generated and collected in the college (Ltr/Week)	Non-Reusable liquid waste generated and collected (Ltr/Week)	Any other chemical waste to be kept /disposed in proper safety measure. (in Ltr/Week)
4.16	1.08	0.2	480	20	1.5

The waste water generated from the sources like IRP, potable drinking water machine, etc. The waste water generated particularly from the IRP cannot be used, the said amount has been discharged. But the waste water generated from the potable drinking water plant has been used for watering the flower pots of the college that the chemical waste generated from the laboratories are kept in container safely.

Solid Waste Generated at College



Liquid Waste Generated at College

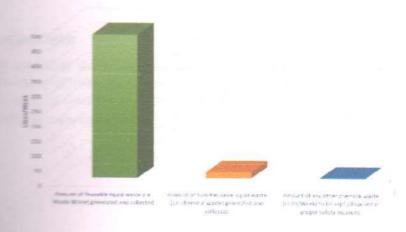


Figure 6: Amount of solid and liquid waste generated in college

5. EMISSION AND ITS MANAGEMENT

The green audit of the PDUAM, Dalgaon also considered gracious emission particularly carbon emission from the available sources related to the college. The vehicles used by the students and teachers along with LPG used in college canteen and laboratories are taken under consideration. The estimated value in context to carbon emission by the college is nearly 809.251 gm per day. Public transport used by students were omitted because of some constraints. The available parameter shows that carbon emission is about 1.68 gm per day per person.

		Emission Audit		-
Source of emission	Four Wheeler	Two wheeler	Kitchen	Laboratories
Carbon emission rate	1.87 gm/km/vehicle	1.22 gm/km/vehicle	2.983 gm/kg of LPG	2.983 gm/kg of LPG
Average usage / consumption per day	8 km	18.5 km	1.42 kg	0.473kg
Average no. vehicles used per day	16	25	-	_
Estimated Carbon emission per day	239.36 gm	564.25 gm	4.23 gm	1.411 gm
Total estimate emission		809.251 g	m/day	
Per capital carbon emission		1.68 gm/day		

Audit suggestions

- To minimize the emission rate from the vehicles, it is advisable that a thorough checking of vehicles to keep their minimum standard of emission is necessary.
- Sharing of vehicles should also be encouraged among the students and teachers.
- · General awareness regarding carbon footprint is also advisable.

Audited by

Prof. Prasanta Kumar Saikia Professor, Department of Zoology, Gauhati University

Bonsota Gerrar Scikia.

Professor
Department of zoology
Gauhati University

Department of Botany PDUAM Dalgaon

Floral Biodiversity Status of PDUAM Dalgaon

Total no of herb species with scientific name and Conservation status

Sl no.	Common name	Scientific Name	Total no	Conservation status
1	Ghrit kumari/ Sal kuwori	Aloe vera(L.)Burm.f	moderate	Least concern
2	Wild basil/clove basil	Ocimum gratissimum	scanty	LC
3	Holy basil	Occimum sanctum	moderate	LC
4	Lemon basil	Ocimum basilicum citriodorum	moderate	LC
5	Crown of thorns	Euphorbia milli	scanty	LC
6	Madagascar periwinkle	Catharanthus roseus	abundant	LC
7	Indian sorrel plant	Oxalis procumbens	abundant	LC.
8	Cactus	Cactus sp.	scanty	LC
9	Bryophyllum	Bryophyllum pinnatum	moderate	LC
10	Pineapple	Ananus comosus	scanty	LC
11	Century plant	Agave americana	moderate	LC
12	Buterfly pea	Clitoria ternatea	moderate	LC
13	Shunk vine	Paederia foeida	abundant	LC
14	Air potato	Dioscorea sp	moderate	LC
15	Crepe ginger	Cheilocostus speciosus	scanty	LC
16	Tikoni barua	Smilax zeylanica	scanty	LC
17	Pepper	Piper nigrum	scanty	LC
18	Passion flower	Passiflora vitifolia	scanty	LC
19	Passion fruit	Passiflora edulis	scanty	LC
20	Fish mint	Houttuynia cordata	moderate	LC
21	Touch me not	Mimosa pudica	moderate	LC
22	Spiny pigweed	Amaranthus spinosus	moderate	LC
23	Mint	Mentha spicata	moderate	LC
24	Thumbai(Durun bon)	Leucas aspera	abundant	LC
25	Creeping wood sorrel	Oxalis corniculata	abundant	LC
26	Bengal day flower	Commelina bengalensis	moderate	LC
27	Carpet weed	Phyla nodiflora	moderate	LC
28	Dragon fruit	Hlocereus undatus	scanty	LC
29	Pennywort	Centella asiatica	moderate	LC
30	Dwarf copper leaf	Alternanthera sessilis	moderate	LC
31	White goose foot	Chenopodium album	moderate	LC
32	Money plant	Epipremnum aureum	moderate	LC
33	Long coriander	Eryngium foetidum	scanty	LC
34	Vietnamese coriander	Persicaria odorata	scanty	LC
35	Roselle	Hibiscus sabdariffa	scanty	LC

36	Nilakantha	Ajuga sp.	abundant	LC
37	Taro	Alocasia sp.	moderate	LC
38	Taro	Colocasia esculenta	abundant	LC
39	Turmeric	Curcuma longa	moderate	LC
40	Mango ginger	Curcuma amada	scanty	LC
41	Spider plant	Chloropytum comosum	moderate	LC
42	Wild oat grass	Crysopogon aciculatus	abundant	LC
43	Creeping tick trefoil	Desmodium triflorum	moderate	LC
44	Flat top mille grains/diamond flower	Oldenlandia corymbosa	moderate	LC
45	Bhui amlokhi	Phyllanthus niruri	moderate	LC
46	Rough cocklebur	Xanthium strumarium	moderate	LC
47	Lawn marsh pennywort	Hydrocotyle sibthorpioides	moderate	LC
48	Creeping smartweed	Polygonum microcephalum	moderate	LC
49	Racaba	Alternanthera sesilis	moderate	LC
50	Sama kosu	Typhnonium trilobatum	moderate	LC
51	Eclipta	Eclipta prostrata	moderate	LC
52	Fiddlehead Fern	Diplazium esculantum	moderate	LC
53	Red amaranth	Amaranthus gangeticus	moderate	LC
54	Prickly amaranth	Amaranthus spinosus	moderate	LC
55	Red vine spinach	Basella rubra	moderate	LC
56	Pumpkin greens	Cucurbita pepo	moderate	LC
57	Kukura jara	Celosia argentea	moderate	LC
58	Fenugreek	Trigonella foenum	moderate	LC
59	Long pepper	Piper longum	scanty	LC
60	Madhusuleng	Polygonum microcephalum	scanty	LC
61	Not known	Arundinella bengalensis	abundant	LC
62	Not known	Cyrtococcum patens	abundant	LC
63	Not known	Isachne clarkei	abundant	LC
64	Not known	Panicum paludosum	abundant	LC
65	Love grass	Chrysopogon aciculatus	abundant	LC
66	Bermuda grass	Cynodon dactylon	abundant	LC
67	Cogon grass	Imperata cylindrica	abundant	LC
68	Wide leaved carpet grass	Axonopus compressus	abundant	LC
69	Short leaf spike sedge	Kyllinga brevifolia	abundant	LC
70	Doveweed	Murdannia nudiflora	moderate	LC
71	Mexican primrose-	Ludwigia octovalis	moderate	LC

	willow plant			
72	Knot grass	Paspalum distichum	abundant	LC
73	Turkey tangle frogfruit	Phyla nodiflora	abundant	LC
74	False daisy	Eclipta prostata	abundant	LC

Total no of shrub species with scientific name and Conservation status

Sl no.	Common name	Scientific Name	Total no	Conservation status
1	Hibiscus	Hibiscus rosa sinensis	40	LC
2	Red sage	Lantana camera	30	LC
3	Paper flower	Bougainvillea spectrabillis	5	LC
4	Grapes	Vitis vinifera	1	LC
5	4 o clock plant	Mirabilis jalapa	10	LC
6	Ixora	Ixora coccinea, I.longifolia	10	LC
7	Devils backbone	Euphorbia tithymaloides	50	LC
8	Crape jasmine/Pinwheel flower	Tabernaemontana divericata	17	LC
9	Golden dew drop	Duranta erecta	15	LC
10	Rose	Rosa rubiginosa	10	LC
11	Rangoon creeper	Combretum indicum	1	LC
12	Garlic vine	Mansoa alliacea	3	LC
13	Snake plant	Dracaena spp	3	LC
14	Nephaphu	Clerodendrum colebrookianum	5	LC
15	Wild mussaenda	Mussaenda frondosa	5	LC

Total no of tree species with scientific name and Conservation status

SI no.	Common name	Scientific Name	Total no	Conservation
1	Neem	Azadirachta indica	10	LC
2	Night flowering jasmine	Nyctanthes arbor - tristis	13	LC
3	Lychee	Litchi chinensis	6	LC
4	Jujube	Ziziphus jujuba	5	LC
5	Guava	Psidium guajava	25	LC
6	Papaya	Carica papaya	10	LC
7	Curry leaf	Murraya koenigii	12	LC
8	Banana	Musa sp.	45	LC
9	Pomegranate	Punica granatum	3	LC
10	Custard apple	Annona reticulata	3	LC

11	Sugarcane	Saccharum	50	LC
12	Areca palm	officinarum Drypsis lutescens	51	LC
13	Orange	Citrus sinensis	5	LC
14	Pink oleander	Nerium oleander	4	LC
15	Yellow oleander	Cascabella thevetia	2	LC
16	White Frangipani	Plumeria alba	4	LC
17	Lime	Citrus limon	15	LC
18	Pencil tree	Euphorbia tirucalli	1	LC
19	Thuja	Thuja occidentalis	15	LC
20	Cotton	Gossypium herbaceum	5	LC
21	Mango	Mangifera indica	40	LC
22	Black locust	Robina pseudoacacia	2	LC
23	Bay leaf	Cinnamomum tamala	4	LC
24	Betel nut	Areca catechu	6	LC
25	Iron wood	Messua ferrea L.	5	LC
26	Teak	Tectona grandis	1	Endangered
27	Jack fruit	Artocarpus	4	LC
		heterophyllus		20
28	Indian gooseberry	Phyllanthus emblica	7	LC
29	Burflower/Kadam	Neolamarckia	2	LC
		cadamba		
30	Wood apple	Aegle marmelos	1	Near
				threatened
31	Deodar cedar	Cedrus deodara	14	LC
32	Star fruit	Averrhoa carambola	10	LC
33	Java plum	Syzygium cumini	3	
34	Hoop pine	Araucaria	8	LC
		cunninghamii		
35	Sapota	Manikara zapota	2	LC
36	Peacock flower	Caesalpinia	2	LC
		pulcherima		
37	Bokul	Mimusops elengi	7	LC
38	Red lip tree	Syzgium myrtifolium	5	LC
39	Indian olive	Elaeocarpus floribundus	5	LC
10	Indian rubber tree	Ficus elastica	3	LC
11	Flame of the forest	Delonix regia	10	LC
12	Drumstick	Moringa oleifera	5	LC
13	Cluster fig	Ficus racemosa	2	LC
13	Guava	Psidium guajava	30	LC
14	Yellow shower	Cassia fistula	2	LC
15	Kanchan	Bauhinia acuminata	5	LC
16	Apple	Malus	1	LC
17	Jamun	Eugenia kurzii	1	LC
18	Karanja tree	Pongamia pinnata	1	LC
19	Ghora neem	Melia azedarach	2	LC
50	Mulberry	Morus alba	2	LC
51	Oleander	Nerium indicum	5	LC

52	Henna ·	Lawsonia inermis	5	LC
53	Coconut	Cocos nucifera	5	LC

Total no of epiphytes with scientific name and Conservation status

SI no.	Common name	Scientific Name	Total no	Conservation status
1	Foxtail orchid	Rhynchostylis sp	4	LC
2	Necklace orchid	Coelogyne sp.	1	LC
3	Pineapple orchid	Dendrobium sp	4	LC
4	Fern	Trigonospora sp.	abundant	LC
5	Fern	Pteris sp.	moderate	LC
6	Limpleaf Fern	Microlapia speluncae	moderate	LC
7	Fern	Cyclosorus sp.	moderate	LC
8	Fern	Adiantum sp.	moderate	LC

Total no of hydrophytes with scientific name and Conservation status

Sl no.	Common name	Scientific Name	Total no	Conservation status
1	Buffalo spinach	Enhydra fluctuans	abundant	LC
2	Water snow flake	Nymphoides indica	abundant	LC
3	77 6602 5440 77 22333	Hydrolea zylanica	abundant	LC
4	Water primrose	Jussiaca repens	abundant	LC
5	Pond weed	Potamogeton crispus	abundant	LC
6	Long leaf pond weed	Potamogeton nodosus	abundant	LC
7	Fennel leaf pond weed	Potamogeton pectinatus	abundant	LC
8	Indian tooth cup	Rotala indica	abundant	LC
9	Water spinach	Ipomoea aquatica	abundant	LC
10		Hydrilla	abundant	LC
11	Eel grass weed	Vallisnaria sp.	abundant	LC
12	Water hyacinth	Eichhornia crassipes	abundant	LC
13	Water lettuce	Pistia sp.	abundant	LC
14	Water thyme	Hydrilla verticillata	abundant	LC
15	Duck weed	Lemna minor	abundant	LC
16	Duck weed	Lemna major	abundant	LC
17	Floating penniwort	Hydrocotyl sp.	abundant	LC
18	Water clover	Marsilea sp.	abundant	LC
19	Aquatic ginger	Alpinia aquatica	abundant	LC
20	Bulrush	Scirpus articulatus	abundant	LC
21	Water pepper	Polygonum hydropiper	abundant	LC
22	Bladderwort	Utricularia sp.	abundant	LC

Dr.Nijara Bharadwaj Dept.of Botany

PDUAM Dalgaon
Depit of Botany
PDUAM, Dalgaon

Department of Zoology

PDUAM Dalgaon

Faunal Biodiversity Status of PDUAM Dalgaon

Total number of Invertebrates:

SI.No	English name	Scientific name	Conservation status
1	Earthworm	Pheretima posthuma	Least Concern
2	Leech	Hirudinaria granulose	Least Concern
3	Honey bee	Apis indica	Least Concern
4	Giant Asian hornet	Vespa velutina	Least Concern
5	Hornet	Vespa linnacus	Least Concern
6	Wasp	Ropalidia marginata	Least Concern
7	Black garden ant	Lasius sp.	Least Concern
8	Carpenter ant	Camponotus pennsylvani	Least Concern
9	Stick insect	Ctenomorphodes chronus	Least Concern
10	Gray leaf insect	Phyllium pulchriphyllium	Least Concern
11	Fruit fly	Drosophila melanogaster	Least Concern
12	House fly	Musca domestica	Not evaluated
13	Mosquito	Culiseta longiareolata	Least Concern
14	Asian tiger mosquito	Asian tiger mosquito	Not evaluated
15	Red soldier beetle	Rhagonycha fulva	Least Concern
16	Red pumpkin beetle	Aulacophora foveicollis	Least Concern
17	Lady beetle	Coccinellaseptempunctapa	Least Concern

18	16	House Swift	Apus nipalensis	Least Concern
19	27	Coppersmith Barbet	Megalaima haemacephala	Least Concern
20	18	Asian Koel	Eudynamys scolopaceus	Least Concern
21	19	Jungle Myna	Acridotheres fuscus	Least Concern
22	20	Asian Pied Starling	Gracupica contra	Least Concern
23	21	Little Cormorant	Microcarbo niger	Least Concern
24	22	Cattle Egret	Bubulcus ibis	Least Concern
25	23	Little Egret	Egretta garzetta	Least Concern
26	24	White Wagtail	Motacilla alba	Least Concern
27	2/8	Grey Wagtail	Motacilla cinerea	Least Concern
28	26	Citrine Wagtail	Motacilla citreola	Least Concern
29	27	Scaly-breasted Munia	Lonchura punctulata	Least Concern
30	28	Dusky Warbler	Phylloscopus collybita	Least Concern
31	29	Blackhooded Oriole	Oriolus xanthornus	Least Concern
32	30	Oriental Magpie robin	Copsychus saulairs	Least Concern
33	31	Common Tailorbird	Orthotomus sutorius	Least Concern
34	3/2	Bronze Winged Jacana	Metopidius indicus	Least Concern
35	33	Red-wattled Lapwing	Vanellus indicus	Least Concern
36	34	Brown Shrike	Lanius cristatus	Least Concern
37	38	Black Drongo	Dicrurus macrocercus	Least Concern
38	3,6	Oriental Magpie robin	Copsychus saulairs	Least Concern
39	37	Lesser Goldenback	Dinopium benghalensis	Least Concern
40	38	Little Green Bee-eater	Merops orientalis	Least Concern
41	39	Grey-headed Canary- Flycatcher	Culicicapa ceylonensis	Least Concern
42	40	White-breasted waterhen	Amaurornis phoenicurus	Least Concern

18 43	Monolepta	Monolepta marginella	Least Concern
19 44	Canthon	Canthon istrio	Least Concern
20 45	May beetle	Phyllophaga sp.	Least Concern
21 46	Cucurbit leaf beetle	Aulocophora femoralis	Least Concern
22 47	Bean bruchid	Acanthosclides obtectus	Least Concern
23 48	Termites	Zootermopsis nevadensis	Least Concern
24 49	Cockroach	Periplanata americana	Not Evaluated
25 50	Assassin bug	Triatoma infestans	Least Concern
26 57	Handmaiden moth	Synctiinae imaon	Least Concern
27 52	Heliotrope moth	Utetheisapulchellodes	Least Concern
28 53	Yellow butterfly	Eurema hecabe	Least Concern
29 54	Cambridge vargrant	Nepheronia thalassina	Least Concern
30 55	Swallowtail butterfly	Papilio clytia	Not Evaluated
34 56	Blue tiger butterfly	Tirumala limniace	Not evaluated
32 57	Common buckeye	Junania coenia	Least Concern
23 58	Cricket	Acheta domesticus	Least Concern
34 59	Grasshopper	Poekilocerus pictus	Least Concern
35 60	Dragon fly	Pantal flavescens	Least Concern
36 61	Damsel fly	Ceriagrion glabrum	Least Concern
37 62	Citrine forktail	Ischnura hastate	Least Concern
3863		Orthetrum chrysis	Least Concern
39 64	Milky dartlet	Agriocnemis lacteola	Least Concern

40 65	Lychee shield bug	Chrysocoris stolli	Not Evaluated
41 66	Seed bug	Rhyparochromus vulgaris	Not evaluated
42 67	Firehead millipede	Spirostreptus sp.	Least Concern
43 68	Freshwater Prawn	Macrobrachium rosenbergi	Least Concern
44 69	Apple snail	Pila globosa	Least Concern

Total number of Fish species

SL. NO.	Common Name	Scientific Name	Conservation status
1	Singhi	Heteropneustes fossilis	Vulnerable
2	Kanduli	Notopterus notopterus	Least Concern
3	Zebrafish	Danio rerio	Least Concern
4	Moustached danio	Danio dangila	Least Concern
5	Kurhi	Labeo gonius	Least Concern
6	Singora	Mystus tengara	Least Concern
7	Puthi	Puntius sophore	Vulnerable
8	Puthi	Puntius conchonius	Vulnerable
9	Rohu	Labeo rohita	Least Concern
10	Mola	Amblypharyngodonmicrolepis	Least Concern
11	Mrigal	Cirrhinus sp.	Least Concern
12	Magur	Clarias batrachus	Least Concern
13	Goldfish	Carassius auratus	Least Concern
14	Koi Carp	Cyprinus carpio var koi	Least Concern
- 15	Cuchia	Monopterus cuchia	Least Concern
16	Goroi	Channa punctata	Least Concern

17	Chengeli	Channa bleheri	Near Threatened
18	Mottled Eel	Anguilla bengalensis	Near Threatened
19	Indian flying barb	Esomus danricus	Least Concern
20	Gourami	Colisa fasciata	Least Concern
21	Botia	Lepidocephalichthys guntea	Least Concern

Total number of Amphibians

SL. NO.	Local Name	Scientific Name	Conservation status
1	Indian skipping frog	Euphlyctis cyanophlyctis	Least Concern
2	Toad	Bufo melanostictus	Least Concern
3	Leaf frog	Hylarana sp.	Least Concern
4	Frog	Rana tigrina	Least Concern
5	Bull frog	Haplobatrachus tigerinus	Least Concern

Total number of Reptiles

SL. NO.	Local Name	Scientific Name	Conservation status
1	House lizard	Hemidactylus frenatus	Least Concern
2	Branded Krait	Bungarus fasciatus	Least Concern
3	Checkered keelback	Fowlea piscator	Not Evaluated
4	Indian wolf snake	Lycodon aulicus	Least Concern
5	Hooded malpolon	Malpolon moilensis	Least Concern
6	Garter snake	Thamnophis sp.	-

7	Rat snake	Ptyas mucosa	CITES Appendix 2
8	Water snake	Enhydris enhydris	Least Concern
9	Indian Cobra	Naja naja	Least Concern

Total number of Birds

SL. NO.	Local Name	Scientific Name	Conservation status
1	Common Myna	Acridothres tristis	Least Concern
2	Spotted Dove	Spilopelia chinensis	Least Concern
3	Oriental Turtle Dove	Streptopelia orientalis	Least Concern
4	Crimson Sunbird	Athopyga nipalensis	Least Concern
5	Red Vented Bulbul	Pycnonotus cafer	Least Concern
6	Koel	Eudynamys scolopaceus	Least Concern
7	Indian pond Heron	Ardeola grayii	Least Concern
8	Common Kingfisher	Alcedo atthis	Least Concern
9	House Crow	Corvus splendens	Least Concern
10	Common Hoopoe	Upupa epops	Least Concern
11	Spotted Owlet	Athene brama	Least Concern
12	LesserAdjutant Stork	Leptoptilos javanicus	Vulnerable
13	Asian Openbill Stork	Anastomus oscitans	Least Concern
14	Yellow-footed Green Pigeon	Treron phoeniccoptera	Least Concern
15	Rose-ringed Parakeet	Psittacula krameri	Least Concern

164	· Barn owl	Tyto alba	Least Concern	

Total number of Mammals

SL. NO.	Local Name	Scientific Name	Conservation status
1	Rat	Rattus norvegicus	Least Concern
2	Bat	Pteropus medius	Least Concern
3	Cat	Felis catus	Least Concern
4	Dog	Canis lupus familiaris	Least Concern
5	Goat	Capra aegagrus hircus	Least Concern
6	Cow	Bos taurus	Least Concern

Submitted by

Dr Rimjim Dutta, Head, Department of Zoology

P.D.U.A.M,Dalgaon

Head
Deptt. of Zoology
PDUAM, Dalgaon