



SURVEY REPORT

BY

Wild Warriors



***FIRST BUTTERFLY
SURVEY***

**Naulakhi Eco Tourism
Park, Ujjain**

24TH OCTOBER 2021

ORGANISED BY :-

**Madhya Pradesh Forest
Department
Ujjain Division**

FOREWORD



DR KIRAN BISEN
DFO- UJJAIN

Naulakhi Eco Tourism Park is a man made jungle in Ujjain which acts as lungs of Ujjain as there is only 0.69% of geographical area is forest cover in Ujjain division. The purpose of organising this survey was to document the butterflies and birds of Naulakhi Eco Tourism Park with the help of nature and wildlife enthusiast volunteers. This survey will also enhance the knowledge of our staff and will spread awareness amongst the common public about Naulakhi and its importance. Every year 50 to 60 thousand tourist visit the park, due to COVID 19 since last couple of years foot fall has reduced drastically. So this survey will also help in publicity of the Naulakhi Eco Tourism Park. Many college students and young ones regularly visit the park and to create awareness about nature conservation an Interpretation Centre has been developed inside the park, also other activities like medicinal garden, Cactus garden and plantation of host plants for butterflies is also created which will enhance the knowledge and interest towards nature conservation. Also a nature trail is taking shape in the park.

I would like to thank Wild Warriors & all the nature lovers who have helped forest department during the survey and all the staff for the enthusiasm shown during the survey.

ABOUT

Naulakhi Eco Tourism Park, Ujjain

Ujjain district geographical area is 6091 sq km, out of that 42.08 sq km is under forest which comes to only 0.69 percent under forest cover. Naulakhi is a man made forest which is under Forest Division, Ujjain on Ujjain Maksi Road, an eco tourism park has been established by Madhya Pradesh Eco Tourism Development Board, Bhopal & named as Naulakhi forest area, in which development works like walking path, footpath, cycle track, pond etc. inside the forest area have been done.

A grand entrance has been made to enter the Naulakhi forest area, around which various artworks and paintings of wild animals have been made.

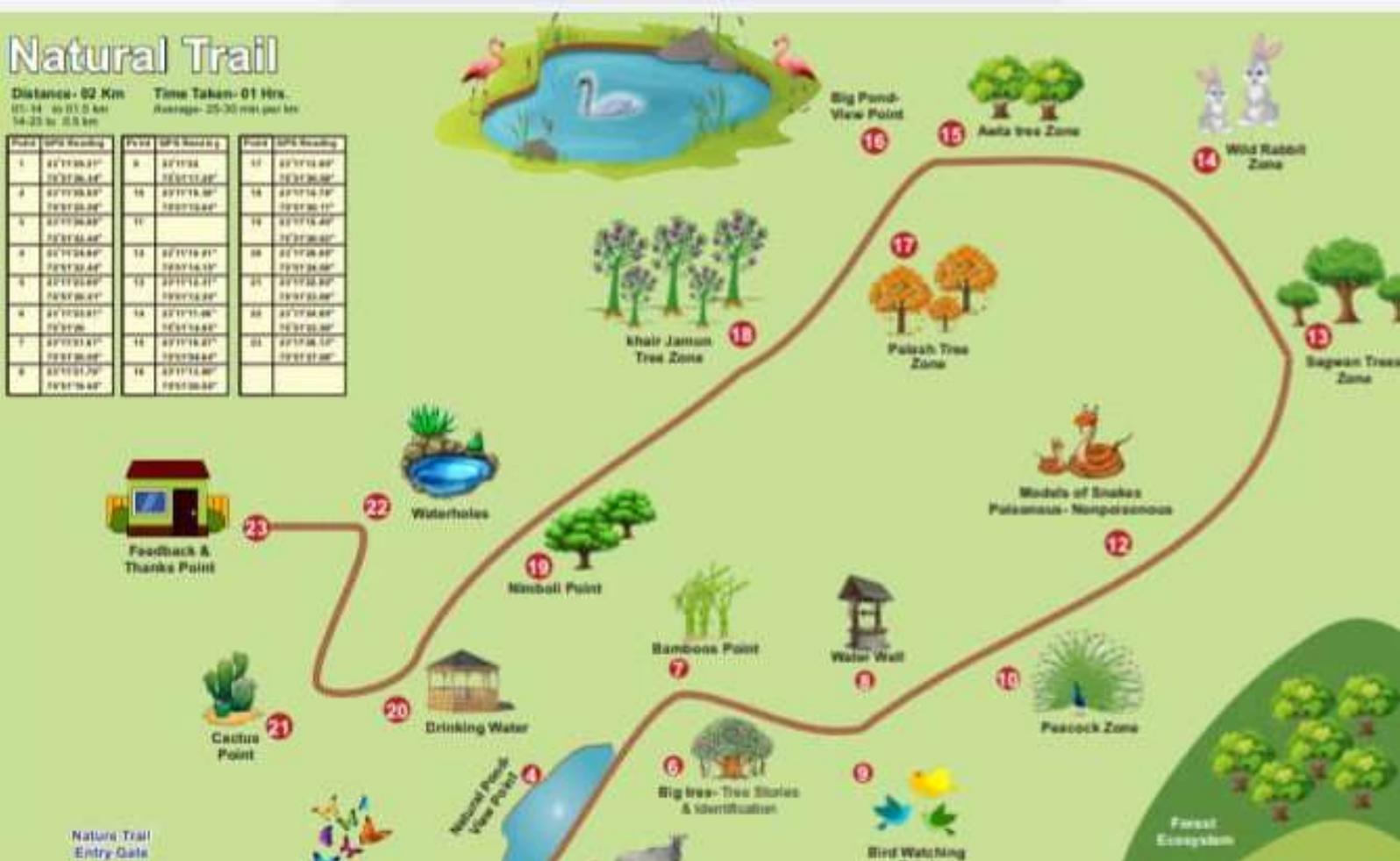
Naulakhi forest area 15 years ago was a barren land, which has now been transformed into a huge forest of 250 hectares due to tree plantation and its protection. In order to see and experience the forest area closely and to have a recreation area Naulakhi Park has been developed by the Forest Department Ujjain with tireless efforts, in which tourists can take a tour inside by obtaining permission and can also see various animals and birds.

Many types of wild animals like Nilgai, Rabbit, Wild Cat, Hyena etc. naturally live in Naulakhi forest area. Along with this, many types of birds can also be seen. Various mixed species of forests are found in Naulakhi region. There are mainly trees of Bamboo, Sagon, Shisham, Amla, Neem, etc. The amusement park can be easily reached at Naulakhi due to being situated at a distance of 8 kms from Ujjain city and being situated on Ujjain- Maksi main road.

Natural Trail

Distance- 62 Km Time Taken- 01 Hrs.
 05:34 to 05:50 km Average- 25-30 min per km
 14:23 to 03:56 km

Point	GPS Reading	Point	GPS Reading	Point	GPS Reading
1	27°13'42.17"	8	27°13'34.17"	15	27°13'42.17"
2	27°13'42.17"	9	27°13'34.17"	16	27°13'42.17"
3	27°13'42.17"	10	27°13'34.17"	17	27°13'42.17"
4	27°13'42.17"	11	27°13'34.17"	18	27°13'42.17"
5	27°13'42.17"	12	27°13'34.17"	19	27°13'42.17"
6	27°13'42.17"	13	27°13'34.17"	20	27°13'42.17"
7	27°13'42.17"	14	27°13'34.17"	21	27°13'42.17"
8	27°13'42.17"	15	27°13'34.17"	22	27°13'42.17"
9	27°13'42.17"	16	27°13'34.17"	23	27°13'42.17"



Three ponds have been built inside the park, which are known as Bada Talab, Chota Talab and Naya Talab, as well as watch tower, pagoda, and matchan. Various types of swings, bungee jumping, rope climbing, etc. activities are also being conducted in the park. Along with this, the gate and cafeteria containing wildlife artwork of the park has also become the centre of tourist attraction. Wells have been developed in the park as a permanent source of water, from which drinking water is being provided to wild animals in the summer season in 5 saucers.



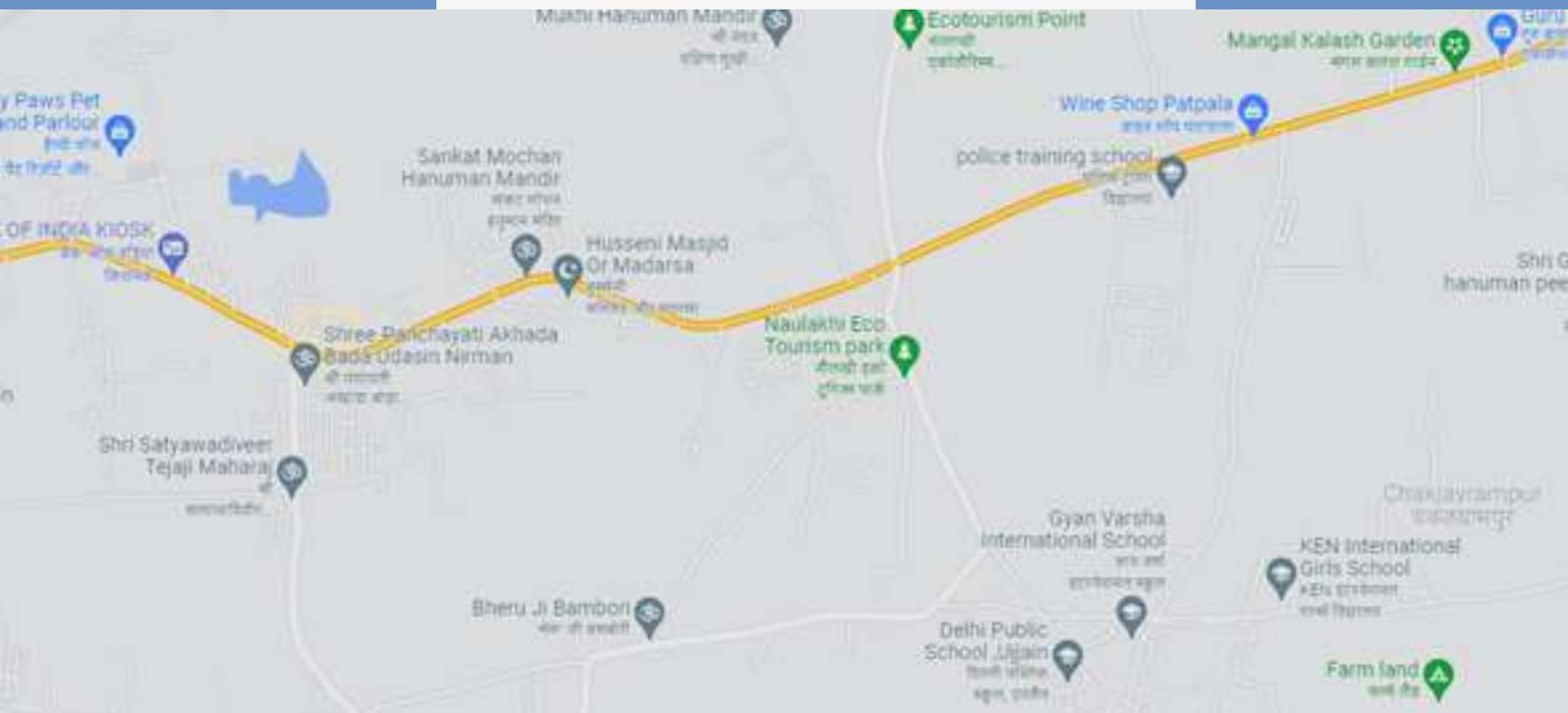
A VIEW

INTERPRETATION CENTER





How To Reach



Distance From Ujjain - 8 kms
Situated On Ujjain-Maxi Main Rd

Acknowledgement



MRS K. MOHANTA
CHIEF CONSERVATOR OF
FOREST- UJJAIN CIRCLE



DR KIRAN BISEN
DFO- UJJAIN



We would like to thank Mrs Kamalika Mohanta - Chief Conservator of Forest, Ujjain Circle, Dr Kiran Bisen- Divisional Forest Officer, Ujjain Division for their valuable guidance from time to time during the survey.

We would also like to thank Mrs Anubha Tripathi - SDO & Ms Kaustubhi Jha - Range Officer and her entire team for the arrangements made during the survey. We would like to thank Shri Ritesh Khabia, Shri Anshuman Sharma and Shri Swapnil Phanse of the "Wild Warriors" a NGO based at Indore for planning the entire survey. We would like to extend our sincere gratitude towards Shri Anil Nagar-Retd. CCF, Shri AK Joshi-Retd CCF and Shri MR Baghel - Conservator of Forest - Working Plan, Ujjain for their motivation and support during the survey.

Last but not the least special thanks to all the participants who participated wholeheartedly in the survey and without their support it would not have been possible to conduct the survey successfully.



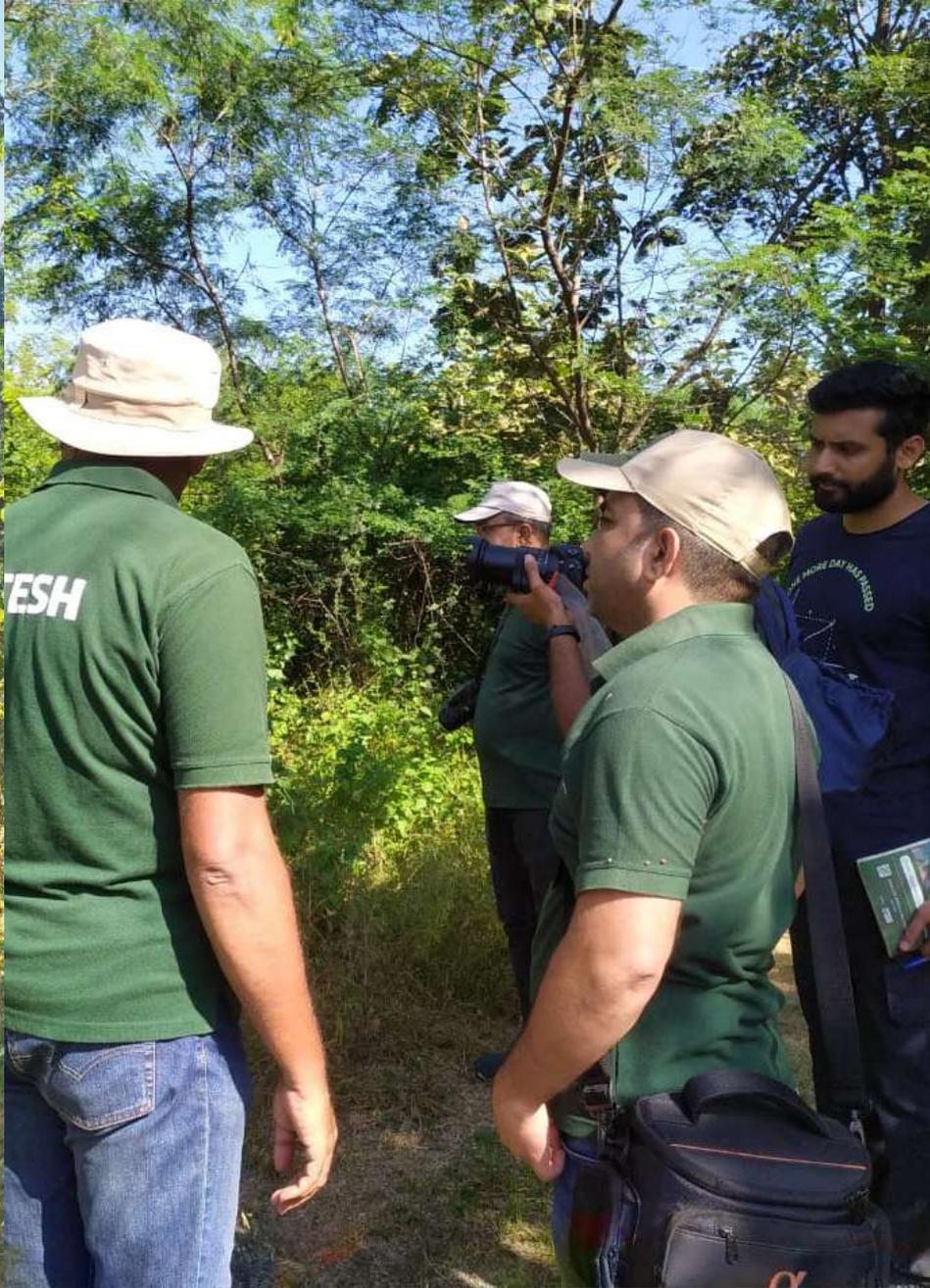
Purpose Of The Survey

- To document the Butterflies and Bird diversity of the park.
- To educate & spread awareness amongst the public on the importance of the Naulakhi Eco Tourism Park.
- To draw up a base data on avian species of the park and to encourage Citizen Science.
- To make future strategies for the conservation of Avifauna.
- To record the butterfly, birds & other diversity, so that the compiled data is easily accessible to students, academicians, nature volunteers researchers scientists & researchers seamlessly.

GLIMPS OF SURVEY

- DFO Dr Kiran Bisen Welcomed all the participants and briefed about the Naulakhi Eco Tourism Park.
- Shri Swapnil Phanse from Wiid Warriors briefed about the purpose of the survey and distributed the teams and forest officials accompanied the teams during the survey.
- All Teams started the Survey at 8.30 am.





DEBRIEFING & VALEDICTORY



- Survey finished by 11.00 am followed by refreshment and the sharing of findings and the de briefing session.
- Shri AK Joshi & Shri Anil Nagar appreciated the initiative of DFO Dr Kiran Bisen and forest department.
- Shri MR Baghel assured to take Naulakhi Park under the working plan for future.
- Mrs Kamalika Mohanta told the importance of the survey's and importance of habitat development post survey.
- Dr KK Yadau expressed his views regarding the development of habitat at Naulakhi.
- Dr Kiran Bisen thanked all the volunteers, forest department staff and Team Wild Warriors for the smooth conduction of the survey,
- At the end certificates were distributed to all the volunteers.



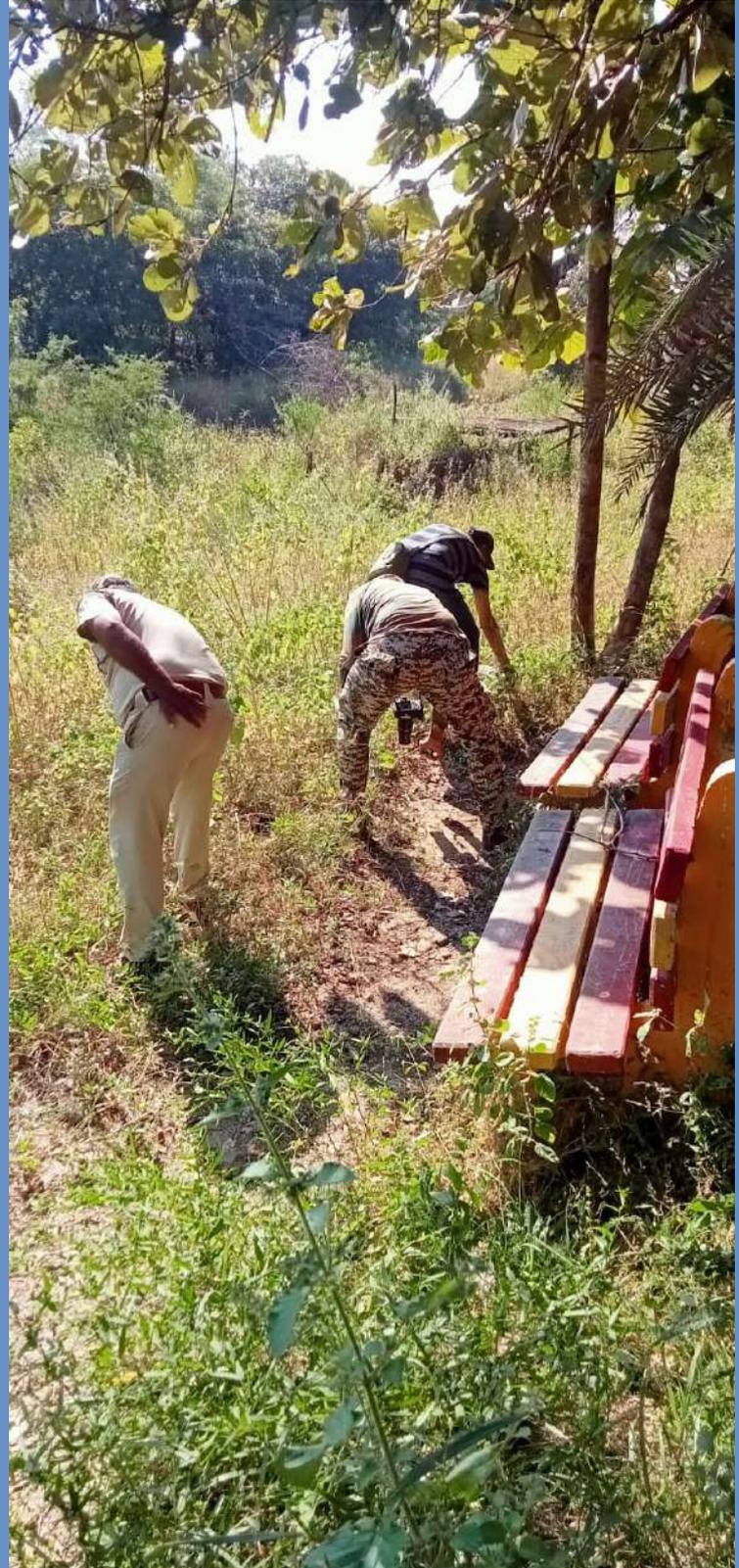




प्रथम तितली सर्वेक्षण

CLEANLINESS DRIVE

Volunteers also removed some of the plastics and bottles dumped by the tourist inside the park.



SNAP SHOT

TOTAL BUTTERFLIES SPECIES : 28

TOTAL BIRD SPECIES : 36

UNIQUE BUTTEFLIES REPORTED

1. Spotted Pierrot
2. Three Spot Grass Yellow
3. Striped Tiger
4. Grass Jewel

UNIQUE BIRDS REPORTED

1. White Eyes Buzzard
2. Short Toed Snake Eagle
3. Tree Pipit
4. Bay Backed Shrike



Butterflies Documented

S. NO	BUTTERFLY NAME	SCIENTIFIC NAME
1	Lesser Grass Blue	Zizina otis
2	Spotted Pierrot	Tarucus callinara
3	Spotless Grass Yellow	Eurema laeta
4	Common Grass Yellow	Eurema hecabe
5	Tawny Coster	Acraea terpsicore
6	Common Crow	Euploea core
7	Yellow Orange Tip	Ixias pyrene
8	Plain Tiger	Danaus chrysippus
9	Great Eggfly	Hypolimnas bolina
10	Lemon Pansy	Junonia lemonias

S. NO	BUTTERFLY NAME	SCIENTIFIC NAME
11	Common Evening Brown	Melanitis leda
12	Tailless Lineblue	Prosotas dubiosa
13	Gram Blue	Euchrysops cnejus
14	Peacock Pansy	Junonia almana
15	Danaid Eggfly	Hypolimnas misippus
16	Grey Pansy	Junonia atlites
17	Three-spot Grass Yellow	Eurema blanda
18	Common Wanderer	Pareronia valeria
19	Common Castor	Ariadne merione
20	Common Leopard	Phalanta phalantha
21	Common Jay	Graphium doson
22	Lime Swallowtail	Papilio demoleus
23	Common Pierrot	Castalius rosimon
24	Striped Tiger	Danaus genutia
25	Grass Jewel	Chilades trochylus
26	Lime Butterfly	Papilio demoleus
27	Rice Swift	Borbo cinnara
28	Emigrant sp.	





Birds Documented

S. No.	Bird's Name	Scientific Name
1	Large Billed Crow	Corvus macrorhynchos
2	House Crow	Corvus splendens
3	Green Bee Eater	Merops orientalis
4	Indian Roller	Coracias benghalensis
5	Laughing Dove	Streptopelia senegalensis
6	Spotted Dove	Spilopelia chinensis
7	White Eye Buzzard	Butastur teesa
8	Black Winged Kite	Elanus caeruleus
9	Oriental Honey Buzzard	Pernis ptilorhynchus
10	Short Toed Snake Eagle	Circaetus gallicus
11	Shikra	Accipiter badius
12	Oriental White Eye	Zosterops palpebrosus
13	Yellow Throated Sparrow	Gymnoris xanthocollis
14	Common Sandpiper	Actitis hypoleucos
15	Green Sandpiper	Tringa ochropus

S. NO.	Bird's Name	Scientific Name
16	Red Watteld Lapwing	Vanellus indicus
17	Black Drongo	Dicrurus macrocercus
18	Tree Pipit	Anthus trivialis
19	Common Iora	Aegithina tiphia
20	Long Tailed Shrike	Lanius schach
21	Bay Baked Shrike	Lanius vittatus
22	Indian Robin	Saxicoloides fulicatus
23	Oriental Magpie Robin	Copsychus saularis
24	Greater Coucal	Centropus sinensis
25	Little Egret	Egretta garzetta
26	Cattle Egret	Bubulcus ibis
27	Pond Heron	Ardeola
28	Chestnut Tailed Starling	Sturnia malabarica
29	Asian Koel	Eudynamys scolopaceus
30	Red Vented Bulbul	Pycnonotus cafer
31	Indian Rock Pigeon	Columba livia
32	Jungle Babblers	Turdoides striata
33	Ashy Prinia	Prinia socialis
34	Purple Sunbird	Cinnyris asiaticus
35	Purple Rumped Sunbird	Leptocoma zeylonica
36	Warbler Sp.	





The Volunteers

Sr. No.	Volunteer Name
1	Dr AK Joshi
2	Mr Anil Nagar
3	Mr Ashutosh Pandit
4	Mr Swapnil Phanse
5	Mr Ritesh Khabia
6	Mr Shubham Bharti
7	Mr Devendra Tiwari
8	Mr Anshuman Sharma

Sr. No.	Volunteer Name
9	Mr Abhishek Paliwal
10	Mr Shubham Purohit
11	Mr Bhojraj Pandey
12	Mr Shreyas Gupta
13	Mr Shrikant Kalamkar
14	Mr Swapnil Dodiya
15	Dr Rakesh Vijayvargiya
16	Dr KK Yadav
17	Ms Mugdha Yadav

S No.	The Managers	Designation
1	Mrs. Kamalika Mohanta	Chief Conservator of Forest
2	Dr Kiran Bisen	Divisional Forest Officer
3	Mrs Anubha Tripathi	Sub Divisional Officer
4	Ms. Kaustubhi Jha	Range Forest Officer



Rich Biodiversity

The Naulakhi Eco Tourism Park a man made jungle has become a heaven for the biodiversity. During the survey other than butterflies and birds many other species were found which was an indicator of the rich biodiversity Naulakhi is having.

Below are some of the random findings during the survey

1. Dragon Flies & Damselfly:

- a. Scarlet Marsh Hawk
- b. Asian Pintail
- c. Asiatic Blood Tail
- d. Pied Paddy Skimmer
- e. Crimson Marsh Glider
- f. Common Torrent Hawk
- g. Globe Skimmer
- h. Ceriagrion Coromandelianum
- i. Common Bluetail

2. Moths: Presence of Moths were in abundance, a separate survey with the moth experts can be done to find out the species available in the park.

3. Skink
4. Common Garden Lizard
5. Spiders
6. Indian Grey Mongoose
7. Scats & Pug marks of Neelgai (Blue Bull)
8. Beetles
9. Flies
10. Bugs & Grasshoppers.

The Naulakhi Eco Tourism Park is a boon to the citizens of Ujjain and surrounding as there is a very limited natural forest cover in and around Ujjain. To attract the butterflies more and more plants of below species should be planted :

- Peacock Flower
- Wild Karonda
- Palash
- Kusum
- Coat Button (Tridax)
- Amaltas
- Kadam
- Ber etc

Overall Ujjain district geographical area is 6091 sq km, out of that 42.08 sq km is under forest, that means only 0.69 % of geographical area is covered by forest so we desperately need to develop urban forest may be by using the techniques like miyawaki. The best example is of Miyawaki plantation done at Bhitari, Bhairaugad at Ujjain.





THANK YOU

