



SURVEY REPORT

FIRST BUTTERFLY SURVEY AT PRESTINE TAMIA FOREST CHHINDWARA (MP)

BY



**MP Forest Department
Chhindwara Division**

ABOUT TAMIA



One of the hidden treasures of Madhya Pradesh, Tamia is a picturesque forest destination that offers scenic and breath-taking views of dense forests and mountains. Untouched and unexplored, Tamia is the perfect location to disconnect from the world and experience absolute tranquillity. A few houses on the hill top offer panoramic views of the steep hills, vast greenery and deep valleys. Inaccessible for a very long time, Tamia has stayed away from any form of commercialization, and makes for the perfect monsoon getaway. The experience is akin to visiting the forests depicted in your childhood books and cartoons.

Prestine Tamia

- *Tamia has many old and well-maintained houses from the british era at some of the best spots and cliff edges.*
- *Looking down from the top of the valley at Patalkot, the place takes the shape of a horse shoe*
- *The government postal bungalow in tamia is situated at a height of 3,765 feet (1,148 m) above mean sea level and surrounded by dense forests.*
- *The hills of Tamia offer breath-taking scenes of sunrises and sunsets*

How To Reach

By Air

Tamia's nearest airport is Nagpur (185 Km) and Bhopal (220 Km)

By Train

The nearest railway station to Tamia is Parasia (45 Km), Chhindwara (70 Km) and Bhopal (220Km), Nagpur (208 Km)

By Road

The nearest Bus Station is Chindwara (67 kilometers)



Butterfly Survey

ACKNOWLEDGEMENT



This survey was possible due to the desperate efforts of Shri Ishwar Jarande Divisional Forest Officer - Chhindwara Division. His interest and activeness to get this survey done successfully is remarkable. He took all the pain in finalising all the trails and logistics for the team.



SHRI ISHWAR JARANDE
DIVISIONAL FOREST OFFICER
CHHINDWARA DIVISION

ALSO WE WOULD LIKE TO THANK SHRI HC BAGHEL - SDO, SHRI HIMANSHU VISHWAKARMA - RFO & ENTIRE TEAM WHO SUPPORTED AND DID ALL THE ARRANGEMENTS DURING THE SURVEY.



SHRI HC BAGHEL
SUB DIVISIONAL FOREST
OFFICER



**SHRI HIMANSHU
VISHWAKARMA**
RANGE FOREST OFFICER

WE WOULD LIKE TO EXTEND SPECIAL THANKS TO SHRI HIMANSHU JAISWAL AND ALL THE MEMBERS OF YOUTH HOSTELS ASSOCIATION OF INDIA - SATPUDA (CHHINDWARA) UNIT FOR PARTICIPATING IN THE SURVEY & SHRI RITESH KHABIA, SHRI SACHIN MATKAR & DR VIPIUL KIRTI SHARMA OF THE "WILD WARRIORS" AN NGO BASED AT INDORE FOR DRIVING THE SURVEY AND TOWARDS SHRI ANIL NAGAR -RTD. CCF AND MENTOR WILD WARRIORS SOCIETY, INDORE. 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.

MANAGING TEAM WILD WARRIORS



SHRI ANIL NAGAR (IFS)
MENTOR - WILD
WARRIORS



**SHRI SACHIN
MATKAR**



**DR VIPUL
SHARMA**



**SHRI RITESH
KHABIA**



**SHRI SWAPNIL
PHANSE**

*Butterfly Survey***FOREWORD****SHRI ISHWAR
JARANDE**
DFO-CHHINDWADA

West Chhindwada forest division is located in the Satpuda Ranges adjoining to the Satpuda Tiger Reserve. The altitudinal variation supports a vast flora and fauna and has many ecotone areas. The valleys of Patalkot adds to the beauty of landscape. Many rivers like Pench, Kanhan, Mandhan, Dudhi has their source of origin in West Chhindwada Division.

Being situated in such a landscape the floral and faunal diversity is immense in the region. To access one of the aspect of faunal diversity the butterfly survey was conducted. The trails were selected considering the local factors like availability of host and nector plants and to represent the different landscapes of the region. Of the 12 trails identified 9 were surveyed successfully and species of butterflies found were documented. Some of the unique species found were large oak blue, painted lady, black raja and common five ring. Despite of fact that best time for butterfly survey has already passed we could document 51 species of the butterflies which will act as baseline data. The future surveys will be conducted to prepare the complete check list of all the butterflies found in the region.

Resource persons from the Wild Warriors and volunteers from Youth Hostel Chhindwada contributed a lot during the planning and execution of the survey West Chhindwada forest division sincerely acknowledges their contribution and hope to work together in future.

This report will be helpful for the wildlife enthusiasts as well as field staff for identification of the butterfly species found in the area and conserve the same in future.

*Butterfly Survey***OBJECTIVE**

- *To document the butterfly diversity at Tamia and in its vicinity area.*
- *To have a comprehensive list of butterfly species found in Tamia and in its vicinity area.*
- *To spread awareness amongst the public and frontline staff of forest department on the butterflies present at Tamia and its vicinity.*
- *To draw up a base line data of butterflies.*
- *To make future strategies for the conservation of Avifauna.*
- *To make local people aware about the importance of biodiversity and its significance and encourage Citizen Science and help improving the butterflies checklist on a regular and on a near real-time basis.*



Butterfly Survey

METHODOLOGY & PROTOCOL USED

- *A total of 9 different trails were identified on which the 03 teams travelled on foot and documented the different butterfly that came across.*
- *Each team constituted of 05 members apart from the forest guards/watchers. Every team was expected to be in the field for minimum Three hours in morning and Two and Half hours in afternoon on different trails. The team walked an approximate distance of 3-4 kms. The walk started at 9.00 hrs.*
- *All the butterflies were observed by the experts and noted on the checklist provided to them, which was later on compiled after validation from the experts.*
- *The team's task was to record as many species as possible, but it was more important to record correct identity of the butterflies. Records with doubtful identifications were recorded as 'sp' i.e. species.*
- *To record the butterfly diversity in a report form so that the compiled data is easily accessible to students, academicians, nature volunteers researchers scientists & researchers seamlessly.*

TEAMS



Team -1

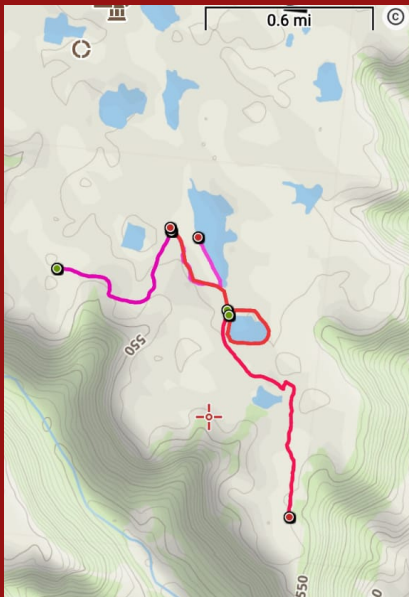


Team -2



Team -3

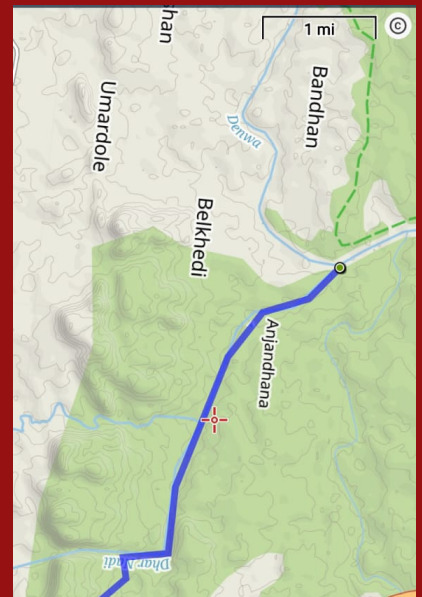
TRAILS



1- Bangai



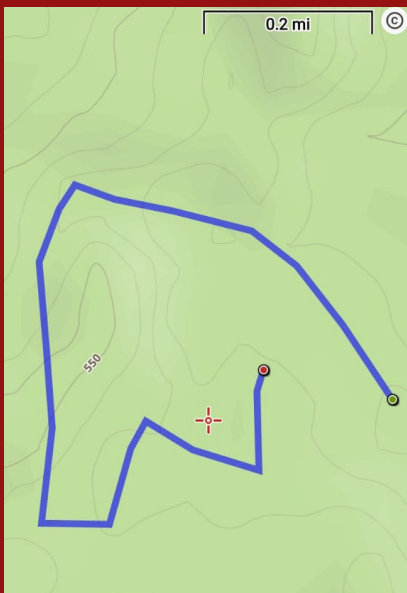
2- Chhindi Old Trek



3- Denwas Sangam



4- Jingara Trail



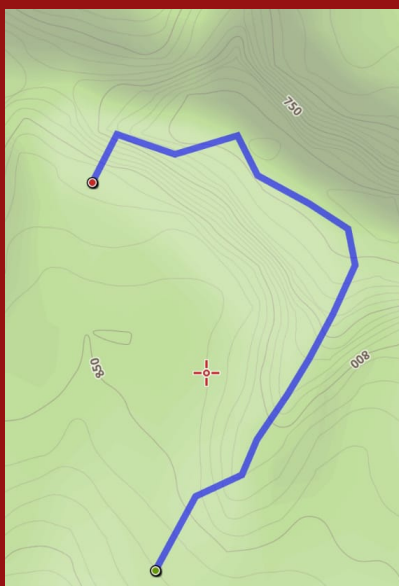
5- Mandhan Dam



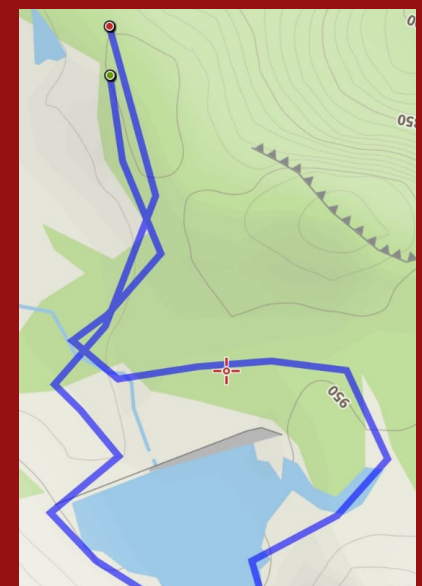
6- Mandhan Dam-1



7- Pagara Nala



8- Rajkoh



9- Tamia-Tamia Dam

SURVEY AT A GLANCE



Day 1 - 20.11.21

- All the volunteers reached by 8.00 at Tamia Forest Rest House.
- An introduction about Tamia and the butterfly survey was given by Shri Ishwar Jarande - Divisional Forest Officer, followed by the briefing about the survey by Dr Vipul Kirti Sharma.
- Groups departed and survey started from 9:00hrs to 12:00hrs and than 15:00hrs to 17:30hrs.

Day 2 - 21.11.21

- Survey commenced from 8.30hrs to 12.00hrs
- Valedictory and Certificate distribution Group Photo followed by lunch.







A SHORT DOCUMENTARY ON BIRDS MADE BY DR VIPUL SHARMA & MR RITESH KHABIA AT SIRPUR LAKE INDORE AND ON KHEONI WLS MADE BY MR. SACHIN MATKAR & MR ANSHUMAN SHARMA WAS SHOWN TO ALL THE VOLUNTEERS AND FOREST STAFF. THE PURPOSE WAS TO SENSITIZE THE LOCAL FOREST STAFF ABOUT THESE CREATURES AND TO HAVE A BRIEF ABOUT THE OTHER WILDLIFE AREAS OF THE STATE.



SNAP SHOT

TOTAL TRAILS : 09

TOTAL Volunteers : 15

TOTAL NO. OF BUTTERFLY SPECIES REPORTED : 51

UNIQUE BUTTERFLY SPECIES REPORTED

1. Common Five-ring
2. Black Raja
3. Large Oakblue
4. Painted Lady
5. Common Silverline



Large Oakblue



Painted Lady

THE VOLUNTEERS



S. No	Volunteer	S. No	Forest Team
1	Mr Sachin Matkar	1	Mr Ishwar Jarande – Divisional Forest Officer
2	Mr Ritesh Khabia	2	Mr HC Baghel – SDO - Tamia
3	Dr Vipul Keerti Sharma	3	Mr Himanshu Vishwakarma – RFO - Tamia
4	Mr Himanshu Jaiswal	4	Mr MR Dhurvey
5	Mr Abhishek Singh Parihar	5	Mr Nohar Sharnagat
6	Mr Kartik Karade	6	Mr Ramesh Markam
7	Dr Pawan Nema	7	Mr Rajesh Pandram
8	Mr Mohit Suryawanshi	8	Mr Santosh Bhalavi
9	Mr Naresh Bharti	9	Mr Pavan Badshah
10	Mr Ashutosh Vishwakarma	10	Mr Saneem Bharti
11	Mr Ninad Jadhav	11	Mr Sher Singh Uikey
12	Mr Ram Gopal Mahiya	12	Mr Jaykumar Kunjam
13	Mr Prakhar Sahu	13	Mr Sanjay Dhurvey
14	Mr Chanchalesh	14	Mr Yashwant Parteti
15	Mr Vivek Kanojia	15	Mr Narsing Uikey
		16	Mr Patalsi Bharti
		17	Mr Santosh Kudape
		18	Mr Ramprasad Bharati

BUTTERFLIES DOCUMENTED

Sr. No.	Scientific Name	Common Name
	Nymphalidae	
1	Common Evening Brown	Melanitis leda
2	Common Sailor	Neptis hylas
3	Danaid Eggfly	Hypolimnas misippus
4	Great Eggfly	Hypolimnas bolina
5	Common Castor	Ariadne merione
6	Lemon Pansy	Junonia lemonias
7	Chocolate Pansy	Junonia iphita
8	Blue Pansy	Junonia orithya
9	Yellow Pansy	Junonia hierta
10	Grey Oansy	Junonia atlites
11	Peacock Pansy	Junonia almana
12	Common Crow	Euploea core
13	Striped Tiger	Danaus genutia
14	Plain Tiger	Danaus chrysippus
15	Blue Tiger	Tirumala limniace
16	Common Five-ring	Ypthima baldus
17	Baronet	Symphaedra nais
18	Tawny Coster	Acraea terpsicore
19	Common Leopard	Phalanta phalantha
20	Bushbrown sp.	Mycalesis perseus
21	Common Baron	Euthalia aconthea
22	Painted Lady	Vansessa cardui
23	Black Rajah	Charaxes solon
	Hesperiidae	
24	Indian Palm Bob	Suastus gremius
25	Common Banded Awl	Hasora chromus
26	Rice Swift	Borbo cinnara

BUTTERFLIES DOCUMENTED

	Lycaenidae	
27	Grass Blue sp.	<i>Zizeeria sp.</i>
28	Lesser Grass Blue	<i>Zizina otis</i>
29	Zebra Blue	<i>Leptotes plinius</i>
30	Lime Blue	<i>Chilades lajus</i>
31	Pea Blue	<i>Lampides boeticus</i>
32	Common Silverline	<i>Cigaritis vulcanus</i>
33	Common Hedge Blue	<i>Acytolepis puspa</i>
34	Common Cerulean	<i>Jamides celeno</i>
35	Blue sp.	
36	Common Pierrot	<i>Castalius rosimon</i>
37	Red Pierrot	<i>Talica nyseus</i>
38	Large Oakblue	<i>Arhopala amantes</i>
39	Small Grass Jewel	<i>Freyeria putli</i>
40	Mottled Emigrant	<i>Catopsilia pyranthe</i>
41	Common Emigrant	<i>Catopsilia pomona</i>
42	Common Jezebel	<i>Delias eucharis</i>
43	Grass Yellow	<i>Eurema sp.</i>
44	Spotless Grass Yellow	<i>Eurema laeta</i>
45	Common Wanderer	<i>Pareronia hippia</i>
46	Lime	<i>Papilio demoleus</i>
47	Tailed Jay	<i>Graphium agamemnon</i>
48	Common Mormon	<i>Papilio polytes</i>
49	Spot Swordtail	<i>Graphium nomius</i>
50	Common Rose	<i>Pachliopta aristolochiae</i>
51	Angled Pierrot	<i>Caleta decidia</i>

BUTTERFLIES PHOTOGRAPHED DURING SURVEY



Grey Pansy



Chocolate Pansy



Common Sailor



Indian Wanderer



Blue Pansy



Common Leopard



Angled Pierot



Baronet



Common Five Ring



Common Hedge BLUE



Grass Jewel



Lesser Grass Blue



Common Cerulean



Great Eggfly

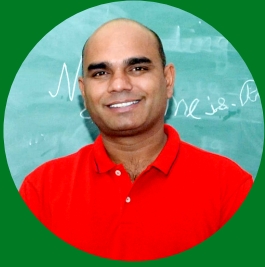


Common Jezebel



Common Five-ring

TESTIMONIAL



SHRI HIMANSHU JAISWAL
SECRETARY, YHAI SATPUDA UNIT
CHHINDWADA (M.P)

It gives me immense pleasure to volunteer in the first-ever butterfly survey organised by the Forest Department, Chhindwara division Government of Madhya Pradesh under the able guidance of 3 resource person from Wild Warriors team along with the talented volunteers of Youth Hostels Association of India, Satpuda Unit Chhindwara on 20th and 21st November 2021 in one of the hidden treasures of Madhya Pradesh, Tamia.

Tamia is the picturesque forest destination that offers scenic and breathtaking views of dense forests and mountains, untouched and unexplored.

Tamia is a perfect location to disconnect ourselves from the world and experience absolute tranquility. Inaccessible for a very long time, Tamia has stayed away from any form of commercialization which makes it perfect definition to develop ecology.

During the survey I got so many new experiences to explore the nature and I came to know the importance of these small insects in the ecosystem.

I came to know about different species of butterflies which were completely unknown to me this was one of the best experiences of my life and I will try to share this knowledge with others.

I hope to be associated with any such other breathtaking expeditions.



**SHRI MOHIT
SURYAWANSHI**

"प्रथम तितली सर्वेक्षण" का आयोजन यादगार रहा। इस आयोजन से हमें वैज्ञानिक तरीके से प्रकृति को जानने का मौका मिला।

इस आयोजन से प्रकृति में हो रही दिलचस्प घटना को रिकॉर्ड करने की कला सीखी अर्थात किस तरह से वीडियो / फोटो ग्राफी कर सकते हैं

वनों में सभी पेड़ों एवं जीवों के महत्वपूर्ण कार्य को करीब से जानने एवं देखने को मिला

कुछ ऐसे ऐतिहासिक स्थानों के बारे में जानने को मिला जिसके बारे में पहले नहीं जानता था।

और भी बहुत कुछ अनुभव रहे जिसे शब्दों में बातापाना मुश्किल है।

मोहित सूर्यवंशी

TESTIMONIAL



**SHRI ABHISHEK SINGH
PARIHAR**

JT. SECRETARY, YHAI SATPUDA UNIT
CHHINDWADA (M.P)

Really it was an great experience for me under the guidance of 3 resource person from Wild Warriors team Indore along with forest Department Chhindwara.

For the first time in my life, I learned how many species are found in butterflies and there importance in environment. This survey has changed my perspective of looking at nature and itself a great pleasure to work with all of you .

I hope that in the coming times also get the same kind of support so that we can get to know more about nature.

Thanks for the enthusiastic pleasure



**SHRI ASHUTOSH
VISHWAKARMA**

This butterfly survey has really changed my way of thinking as how these tiny little beings are helpful for the environment we live in. All the members of the wild warriors had great knowledge of their subject and the best part was that they were eager to share that knowledge with us. I was in the group which was led by Dr.Vipul Keerti Sharma, I had never met a person like him, he showed such a great interest in telling about the butterflies, spiders and birds as well.

Much of the credit also goes to our DFO Ishwar Sir, he personally showed his interest in this survey and guided us about it. We are very grateful for his support and his interest for conserving the nature. Indeed this is a small step in the conservation of the vast environment but such small steps help us to travel miles.

Lastly I wanted to thank Mr. Himanshu Jaiswal ji, he led all the volunteers with equal zeal and enthusiasm and was also there to make us comfortable because for some volunteers this was there first event.

I enjoyed the survey very much and definitely hoping to go on such informative and adventurous expedition again. Thanks for making me a part of this survey

TESTIMONIAL



SHRI VIVEK KANOJIA

हम लोग सब तामिया गए थे 20 तारीख को और वहां हमारी मुलाकात हमारे डीएफओ सर और एक रेंजर सर जिनका नाम हिमांशु विश्वकर्मा है उनसे हुई वहां हमें पता चला इंदौर से हमारे तीन मेंटर्स भी आ रहे हैं जिनका नाम सचिन सर और रितेश सर विपुल सर था यह तीनों अपनी ही फील्ड में बहुत महारथी थे और हमारे डीएफओ सर ने बताया कि आपको इन से बहुत कुछ सीखने को मिलेगा हमारा पहले दिन का सर्वेक्षण तामिया बांध में था और हमारे साथ स्वयं डीएफओ सर सचिन सर थे सचिन सर का कैमरा देख कर मैं बहुत ही उत्साहित था और उन्होंने हमें तितलियों के बारे में बहुत कुछ बताया जिससे अब हमारा जो तितलियों के प्रति देखने का नजरिया है वह बहुत बदल चुका है हमें तितलियों के बहुत सारे अलग-अलग नाम भी बताएं जैसे-जैसे ब्लू ओक ग्रास येलो कॉमन लेपर्ड दूसरे दिन हम रितेश सर के साथ मानधन बांध की ओर जा रहे थे। रितेश सर बहुत ही सरल स्वभाव के व्यक्ति समझ में आए उन्होंने मुझे और हमारी टीम को बहुत कुछ सिखाया और रास्ते में तितलियों और वातावरण के बारे में बहुत सारी अच्छी-अच्छी बातें बताई। उन्होंने बताया कि हम किस प्रकार अपने वातावरण को स्वच्छ बना सकते हैं और आसपास के जानवरों के लिए हम छोटे-छोटे कदमों के द्वारा उनकी मदद कर सकते हैं। इस तितली सर्वेक्षण के बाद मैं यह यकीन से कह सकता हूं कि हम सभी का तितलियों और जानवरों के प्रति जो देखने का नजरिया है वह बहुत बदल चुका है। मैं हिमांशु जैसवाल सर का भी धन्यवाद देना चाहूंगा जो उन्होंने मुझे इस महत्वपूर्ण survey का हिस्सा बनाया।



SHRI NINAD JADHAV

I was born in a family of environmentalists. My father is a Retd. IFS and has mastered many fields of wildlife and my mother is a bird watcher as well as an avid gardener. So, love for nature is in my genes. Having said that I was excited and thrilled to be the part of the first Butterfly survey in Chhindwara district.

It was a great learning and experience to be with the expert Team Leaders of Wild Warriors and the great support team of Forest Department. I learned about butterflies and their life. I also explored new and beautiful places. I also met very good people which are now great friends. I look very much forward to be the part of more surveys like this. I am planning the same for the school where I work. My students are very much thrilled for the same. I have also started gaining more knowledge of butterflies. Thanks to everyone associated with the survey.

Thank You



**MP Forest Department
Chhindwara Division
(MP)**



**Wild Warriors
Society
Indore (MP)**



**Special Thanks to Youth Hostels Association of India
Satpuda (Chhindwada) Unit.**