

AJR DANIELS

NOTES MADE

DURING A TRIP

TO

MANIPUR

TO

PREPARE ECOLOGICAL

MANAGEMENT

PLAN

FOR THE

PROPOSED

NEW CAMPUS OF

INSTITUTE FOR BIORESOURCES

AND

SUSTAINABLE DEVELOPMENT

(IBSD)

May 21, 2010

Inghat Manipur

Started at 1.45 pm by (info -
6E 523 + 6E 962

Went to Zoo - ROILAMQA
772m ASH

26.81706 °N

93.89402 °E

New birds seen - Mandarin duck
Chinese Pond Heron
Red billed blue heron
Common teal.

Pied heron, M'heron, subulal

No Crows!

May 22, 2010 Remaharbin residence - dawn at 4.00 am

RB parakeet, Great Heron, Tree Sparrow
AT barbet, G dove, C'heron, Great heron, subulal
Whay, C'heron, M'heron, C'heron, Coppersmith barbet
Great barbet

Crow billed drongo?

782 m ASH

26.80140

93.94656

|| Black-headed vireo?

Phaino billed vireo? - Call
like like Golden

White throated vireo

Zoo - Great egret, RW heron, A Turtle dove
Pailin bird

Turtles - Melanochelys? Slider - yellow stripes? Red Caiman
pale green - first
near, night

S Dhenrajji Rjm IFS Coimbatore

mt093@ifs.nic.in

(Pinn) Kerala Box turtle - Pyxidea monhotii

India & turtle - M. tripp

Rabunian Turtle - Handala thiriji

MANIPAL PRACT

KANAKA SHAH

Calotes mystaceus

Indo - Chinese forest lizard
Blue Crested lizard^{or}

~~SS~~

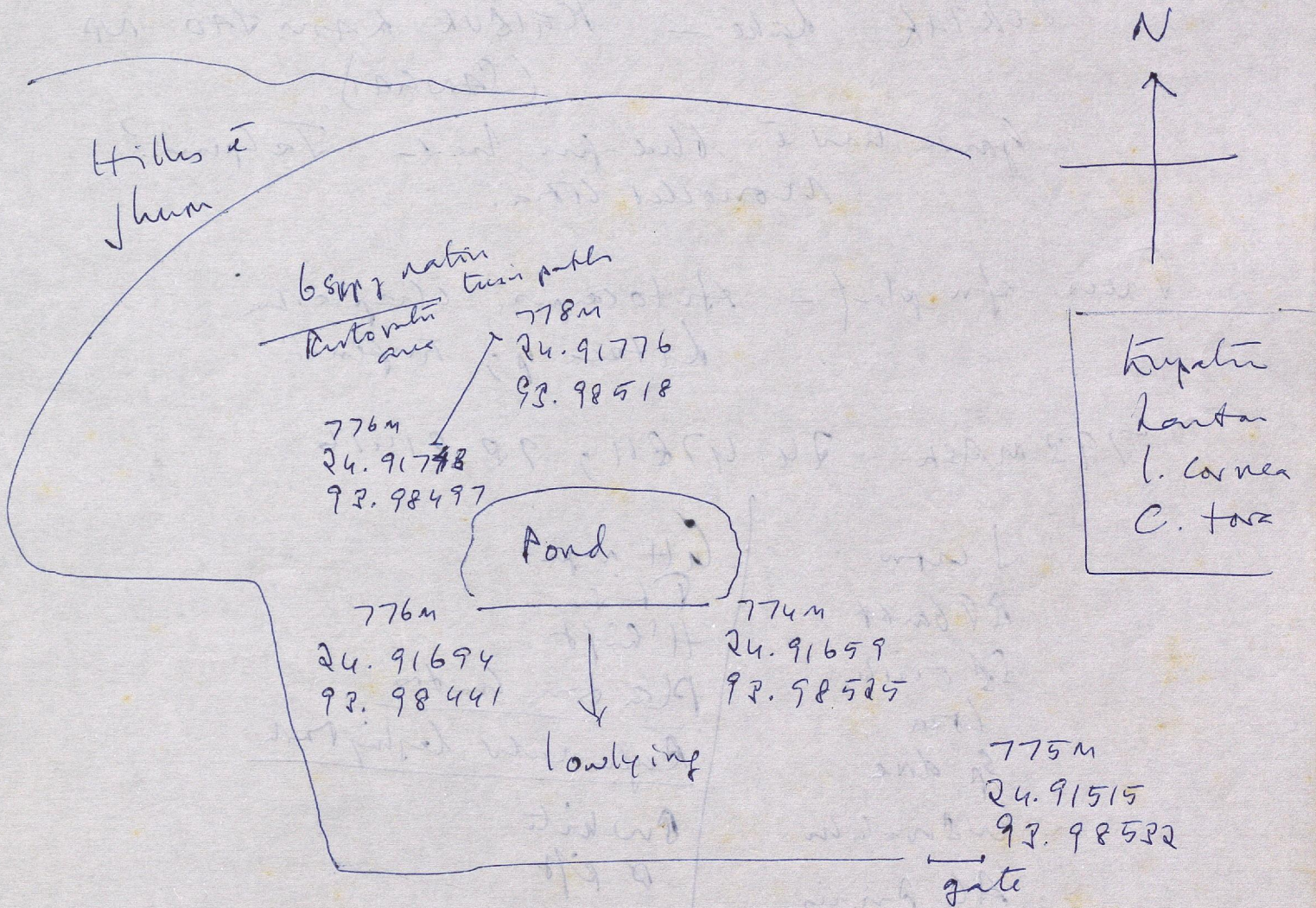
May 22, 2010

ISSD site

8 types, diurnal?

Formis laevis

SL drop, R bulbar, CA drop, P pit



— lots of grass

— 2 ferns

— numerous spp & medicinal plants — *Centella asiatica* abundant
Alternanthera spp.

23 MAY 2010

MAHAR - BISHWONOR

J low, w sk, ss kiffin

MOIRANG

Loktak lake - KAIBUL KAM JAO NA
(SANGAI)

Garden near to the - for bet - Telpina?
Monocot Utra.

Trees for plant - *Artocarpus Chapleria*
Litsea sp; *Kufenia*

793 MASH 24. 47811; 9P. 81416

J low

BT bank

SS orish

loza

Sp dne

W. wet in

Alq Prinia

M. Wain

1. monka

Whye

NU bank

Gh W?

Copper enter

CP dyp

PL dyp

Alt up.

PH

H' lift

Plankton Antos

Rafus under testing Park

Bw kite

PH

PH. Phike

Bumms strike

Conical

head wood

ASS.

July 2010

Orchid Aranta Center

KHONGHAAAT - 50 ha; 1976

788M; 24. 88060

- Kohime road

93. 91052

NH 39?

Aranta Center

PT bamb

RU bamb

T fib

So. ninit

M niti

Plain P. niti

Ashy dup

PT pyc

Whige

RU pyc

G' oride

Glen Horn.

804M

24. 87992

93. 91010

Orchids

Penanthea

inschootiana

Vanda ^{terris} ~~terris~~

Tree - Myristica -
Lauraceae

ARACIUM

805M

24. 88180

93. 91765

Podocarpus neriifolia

Taxus baccata

Wils. than by - Hai Cham pat

CA bamb, SA oride,
Cuscuta bamb.

Pterocarpus sp

Persea sp?

Myristica -

Lauraceae - dominant

25 May 2010

Johor Bahru

"Nonang koi" - Lites

Perin sp

High mt

847 m

24. 87754

93. 91081

1851

782 m

24. 80305

93. 90814

Arana

Mempai Peruk

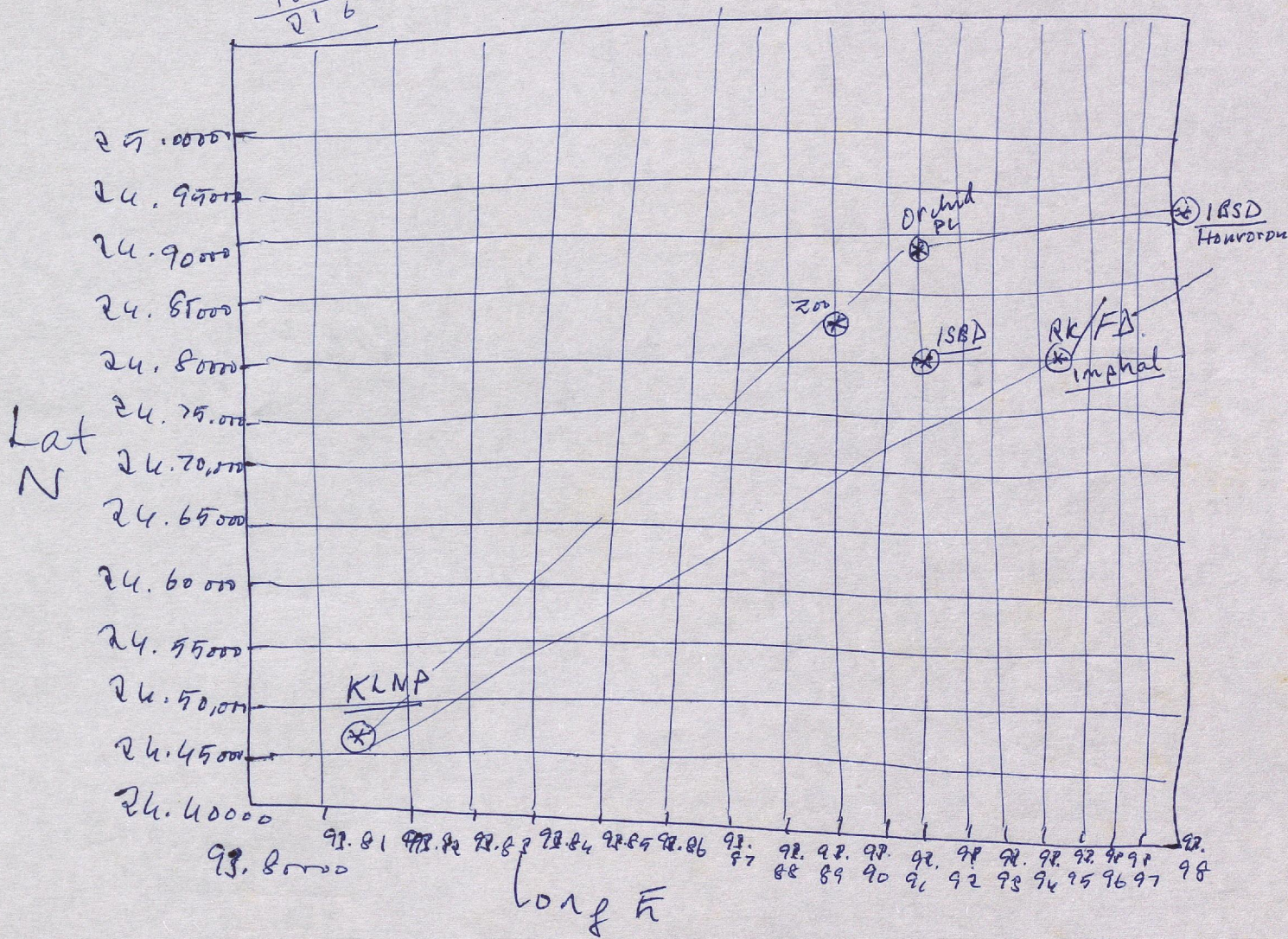
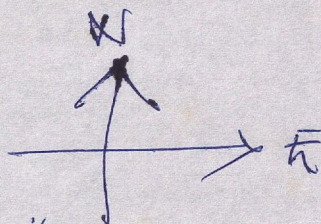
Linaria ramosissima

$$\begin{array}{r} 18.5 \\ 216 \overline{) 4000} \\ \underline{1840} \\ 1700 \\ \underline{1120} \end{array}$$

$$\begin{array}{r} 18x \\ 12 \\ \hline 136 \\ 18 \\ \hline 216 \end{array}$$

Total fish 216

$$\frac{40}{216} \times 100 = 18.5\%$$



$$\begin{array}{r} 18.5x \\ 8.1 \\ \hline 185 \\ 1480 \\ \hline 149.85 \end{array}$$

$$45 \times 18 = \frac{810}{45} \text{ km}^2 = 18 \text{ km}^2$$

$$\frac{8.10 \times 18.5}{100} = 1.50 \text{ km}^2$$

$$\frac{10 \times 1}{4} = 2.5 \text{ km}^2$$

$$\approx 190 \text{ km}^2$$

May
2010

MANIAGE
(MAHAL)

* new to me

Consolidated list of Birds

- | | |
|----------------------------------|---|
| 1) Pond Heron | 22) Red vented bulbul |
| 2) Cattle egret | 23) <u>Great Myra*</u> |
| 3) Great egret | 24) Common Myra |
| 4) Indian moorhen | 25) Grey headed Myra |
| 5) Indian Cuckoo | 26) Magpie robin |
| 6) <u>Plaintive Cuckoo*</u> | 27)* <u>Rufous necked laughing thrush</u> |
| 7) Spotted dove | 28) Tailorbird |
| 8) Red Turtle dove | 29) Grey breasted Prinia |
| 9) Red breasted Parakeet | 30) Greenish leaf warbler |
| 10) Greater Coucal | 31) Blue Throated flycatcher |
| 11) <u>Lesser Coucal*</u> | 32) Paddy field Pipit |
| 12) Jungle crow | 33) <u>Tree Sparrow*</u> |
| 13) <u>Crow billed drongo*</u> | 34) Plain flower pecker |
| 14) Black drongo | 35) Crimson Sunbird |
| 15) Ashy drongo | |
| 16) Ashy Swallow shrike | |
| 17) Scarlet minivet | 36) Whitebreasted Kingfisher |
| 18) Barwinged flycatcher shrike | 37) Small blue Kingfisher |
| 19) Golden Oriole | 38) Blue throated barbet |
| 20) <u>Slenderbilled oriole*</u> | 39) Copper sunbird barbet |
| 21) Iora | |

- 40) Pied Myna
- 41) white eye
- 42) Common Swallow
- 43) Palm Swift
- 44) House Swift
- 45) Black headed Chike
- 46) Burmese Chike*
- 47) Red wattle Lapwing
- 48) Silverbill / white throated Munia
- 49) Black winged Kite
- 50) Great barbet?
- 51) GB Malkoha
- 52) Quail babbler
- 53) ANA ff
- 54) Bura
- 55) PT babbler
- 56) Sun yellow vireo
- 57) OA shrike
- 58) little sp