

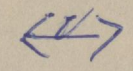
T = 1 = flat, 2 = undulating, 3 = hilly

Dominant grass sp. 1 = grassland, crop 2 = crop, 3 = scrub, 4 = scrub + grass

Habitat =
status = 2 = private 1 = F.D, 3 = other.

District.
Range

Grassland	Terrain	Reported sightings of Mexican	Habitat	Status.
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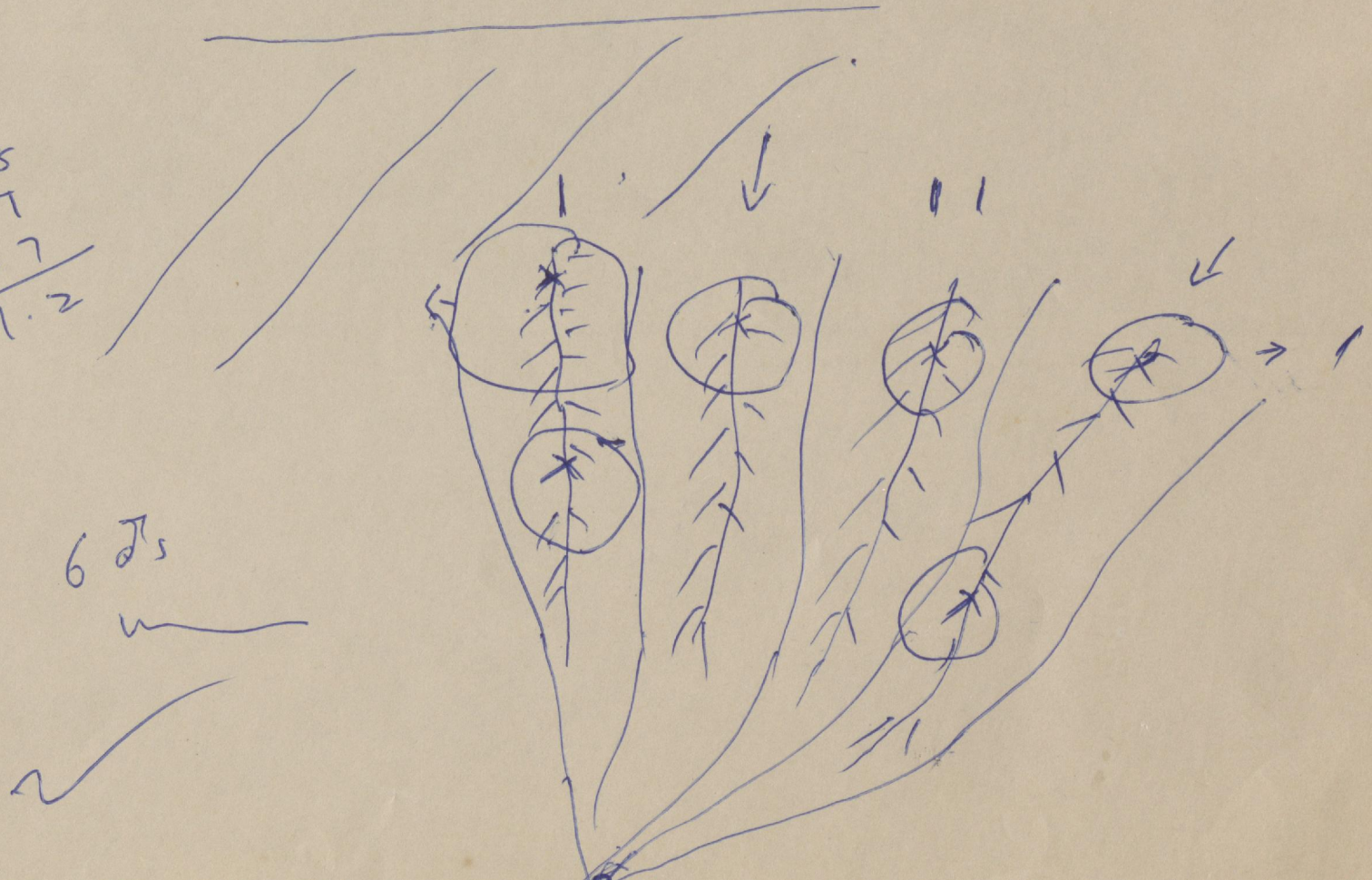


112
388.8
249.7
52.7

689.2

111
41.21
64.35
17.48

123=04



Sehore Ghadhadha Mahuwa Savarkundla Gebar vidi
Ranigado vidi complex Bhasgdana Khambha Bhagadana
Mithiala vidi

AMRELI DISTRICT

Khambha Amreli Dhari Sarasia Rajula

JUNAGHAD DISTRICT

Junaghad Sasan Gir Mendhardha Manavadhar

JAMNAGAR DISTRICT

Jamnagar Pipartoda Bhatia Dwarka Jamjodhpur
Samana Kalavad

RAJKOT DISTRICT

Rajkot Gondal Wankaner Jasdan

KUCHCH DISTRICT

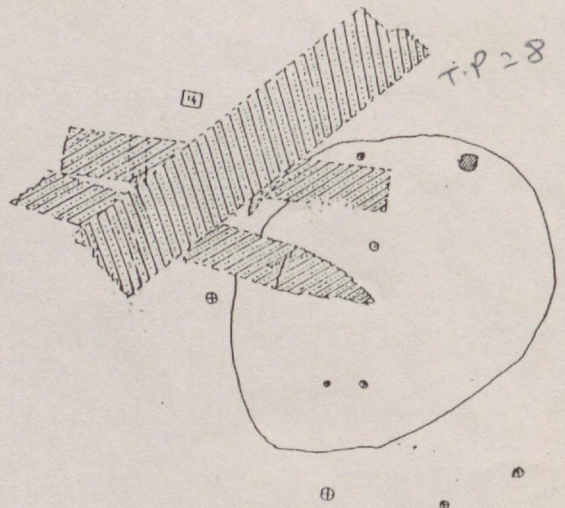
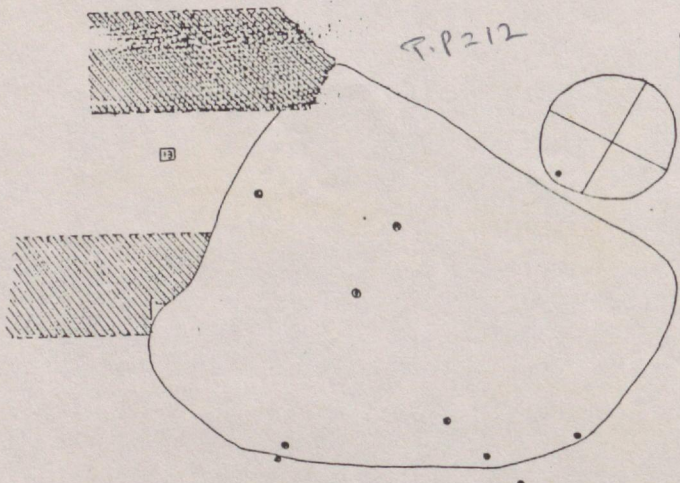
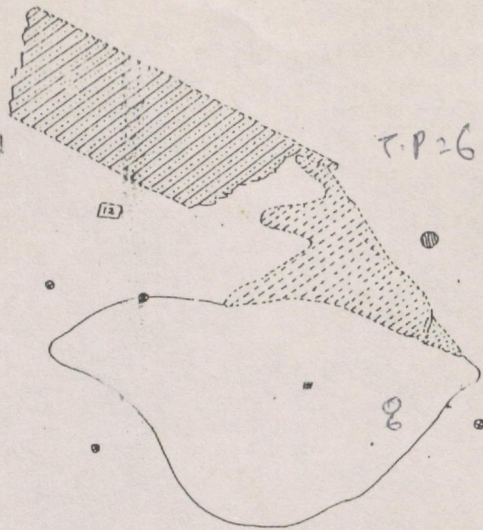
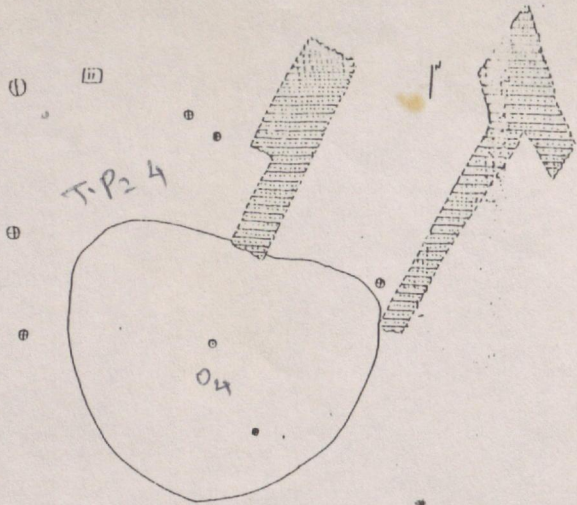
Bhuj Surbari Naliya Jakhau Kothara Mandvi Mundra
Mattanomadha Diyapar Narayansarovar Barendra

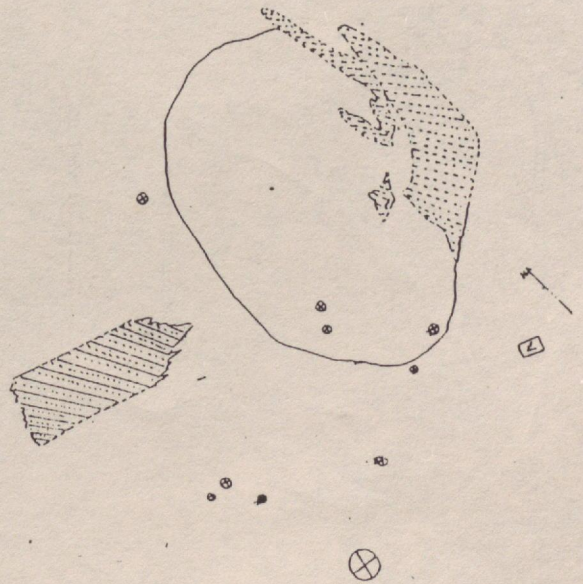
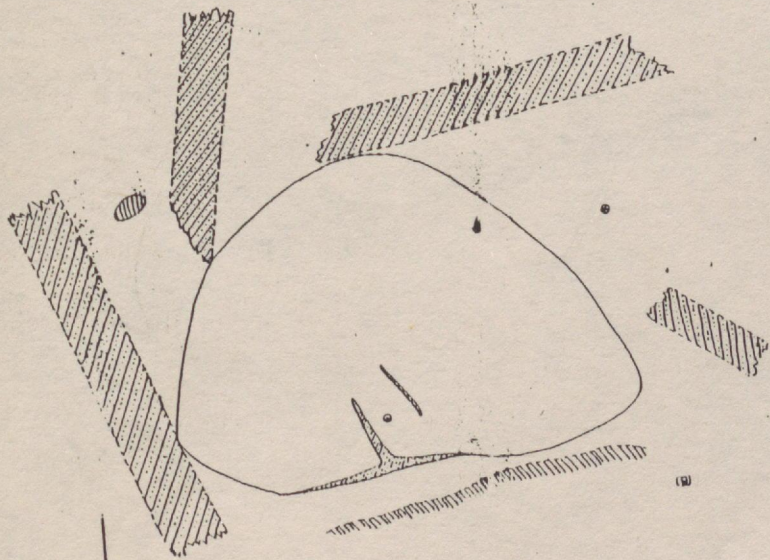
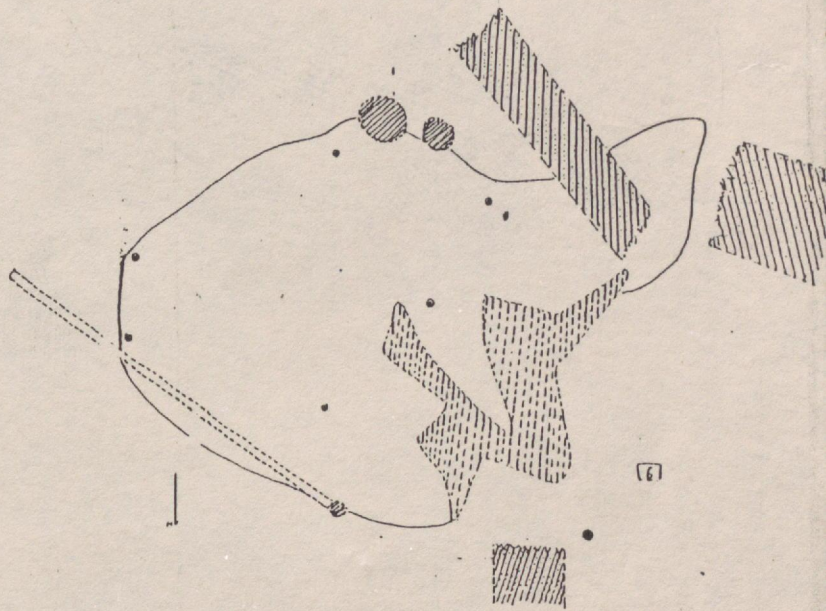
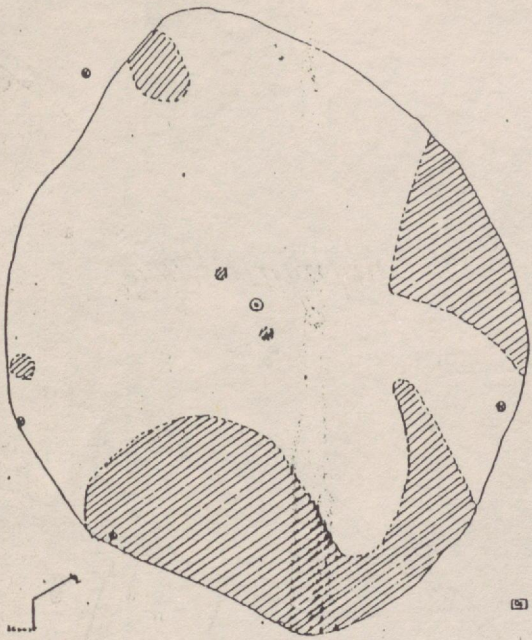
Area under grassland.

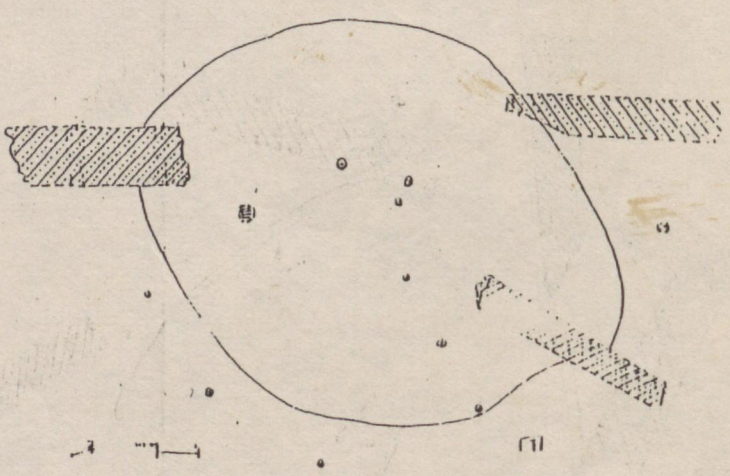
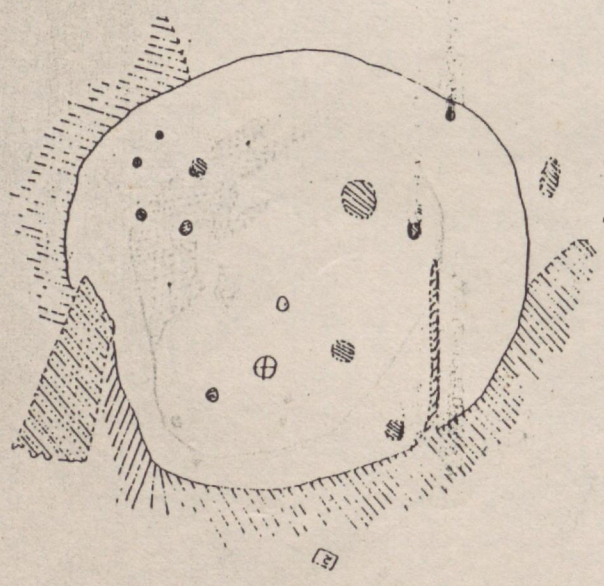
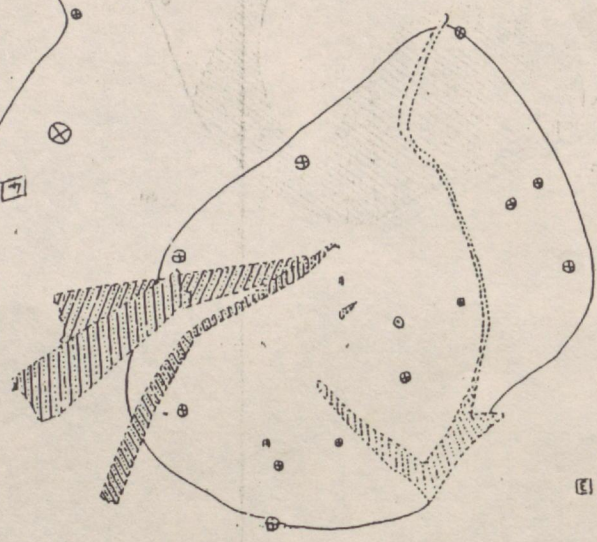
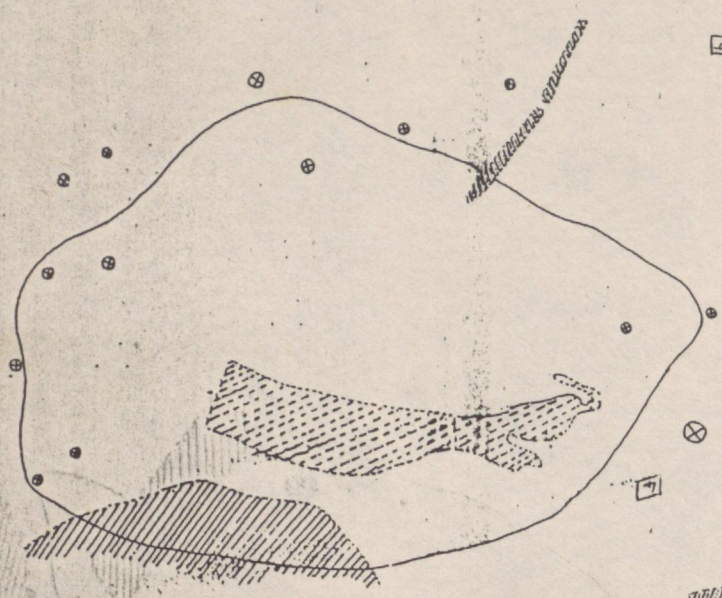
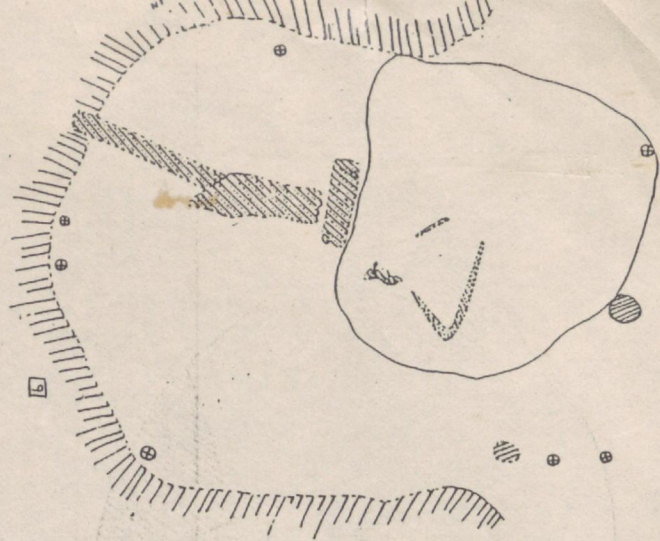
Tereisa	3573
Nancowry	381
Trinket	596
Kanwata	4558
Chowra	1497
	<hr/>
	10605 ha.

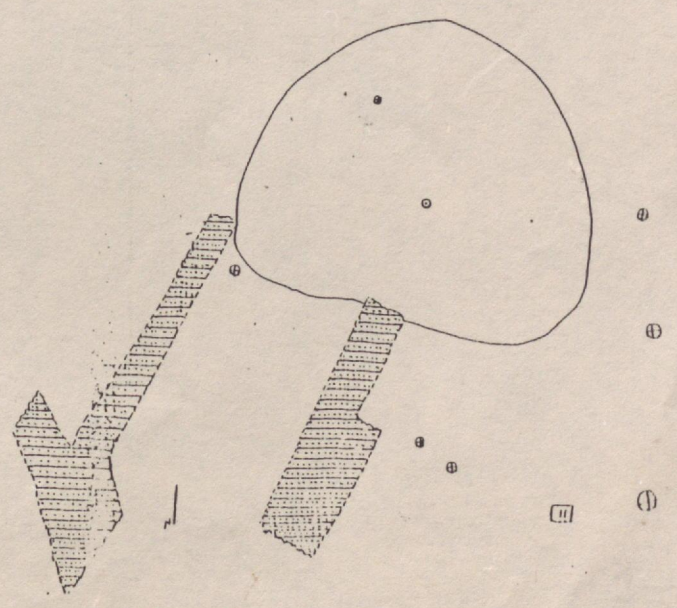
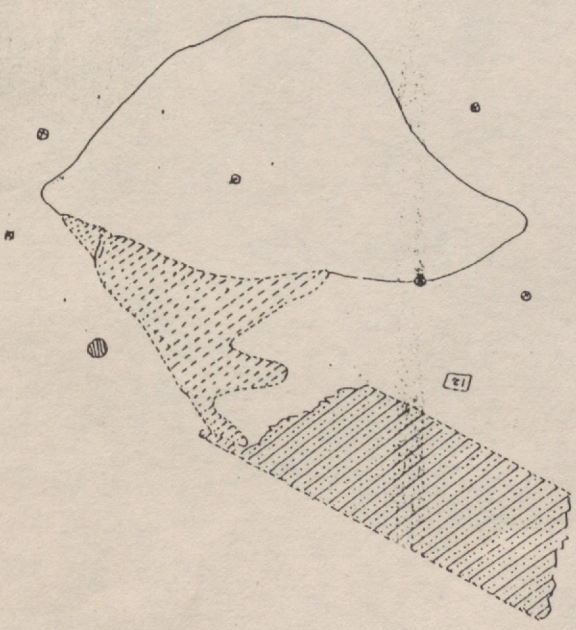
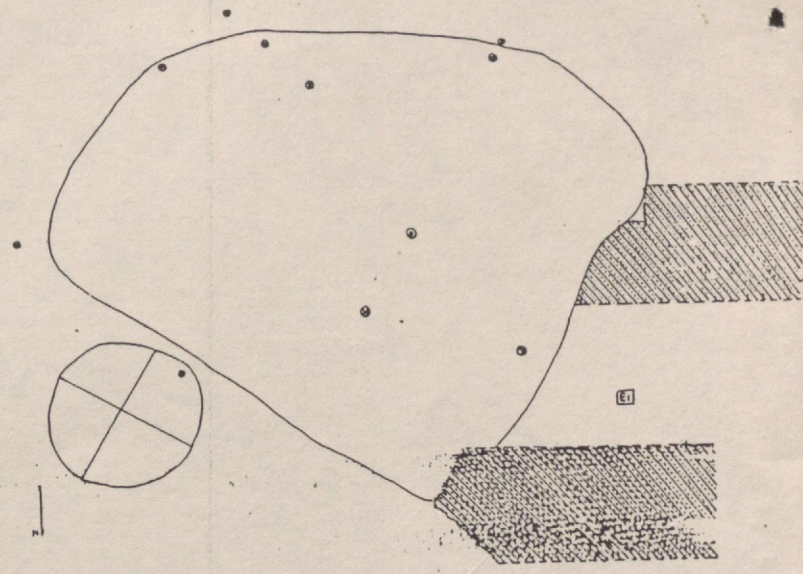
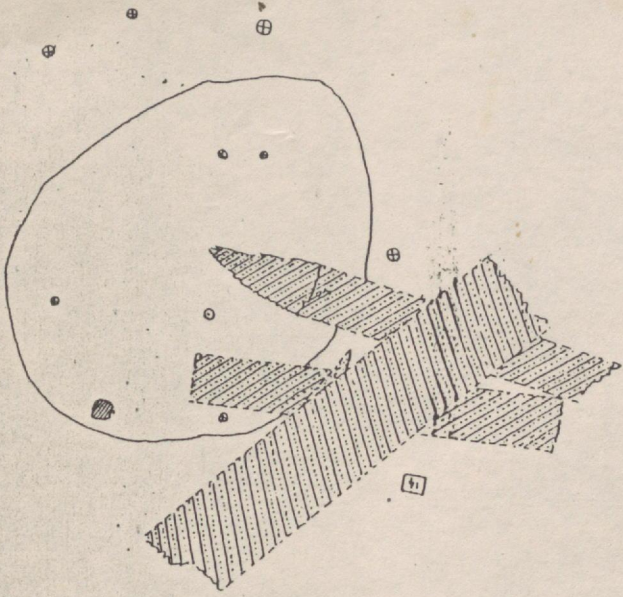
<u>Area</u>	
Nevoe	51 ha
Trah	26 ha
Treis	26 ha
Menchal	129 ha
Kabra	51 ha

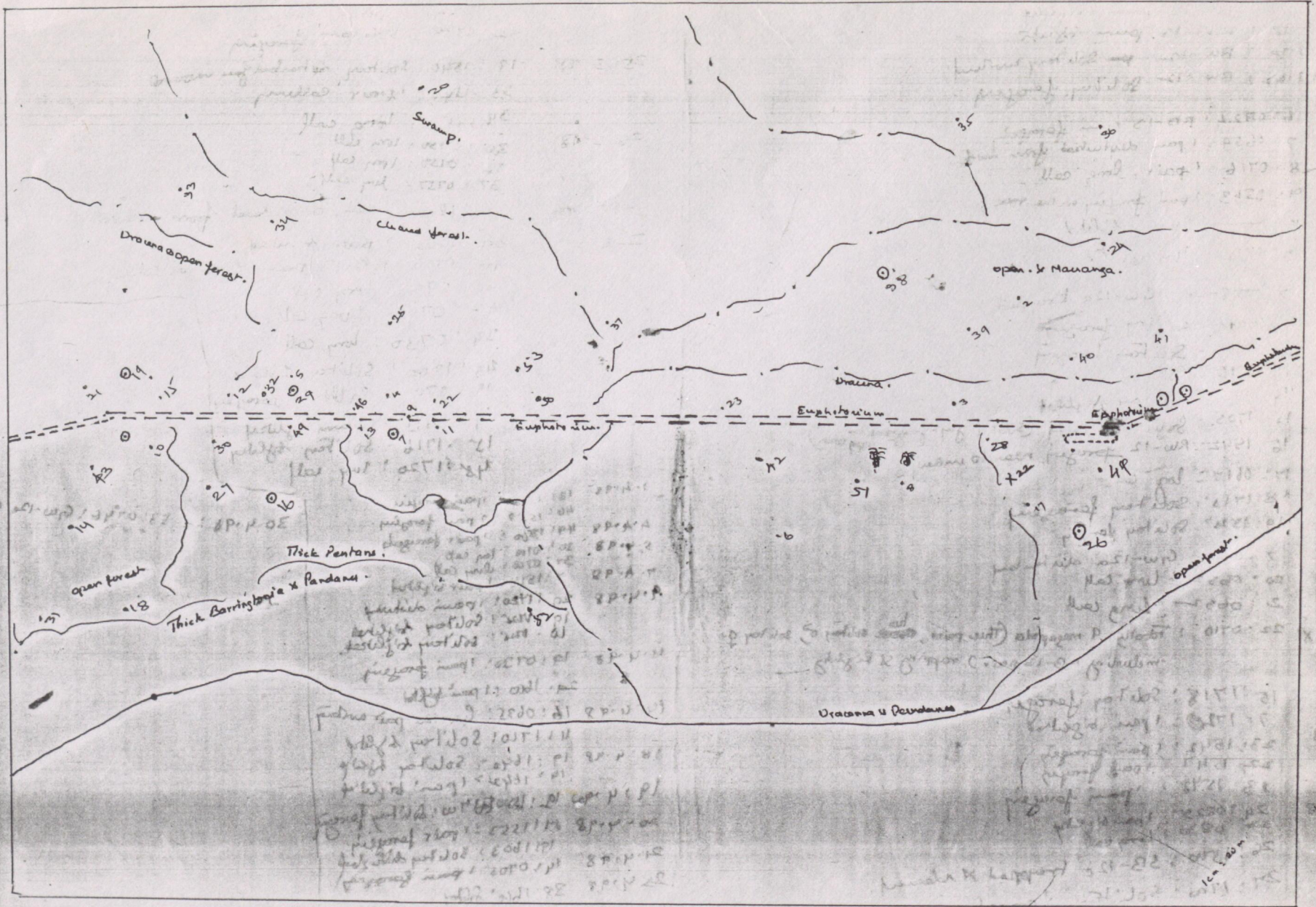
On 24.5.98











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the Andaman and Nicobar islands from the literature, which included their distribution within the islands, and their distribution on that of their conspecifics outside the islands, their population status and endemic status. One of my major achievements during this period was to prepare a comprehensive list of the avifauna of

system in the Lesser Florican defines and deals with the territory in the males of this species and discusses the effects of grazing on territories and its implications for conservation. The paper on the territorial displays in the Bengal Florican quantifies displays in the males and discusses the little understood phenomenon of stimuli and triggers in displays of this species, an area of ethology that has largely been neglected since Tinbergen first documented it.

Between November 1992 and April 1993, I left for the Andaman and Nicobar islands where I undertook a thorough survey of 8 Nicobar islands for the Nicobar megapode and other endemic avifauna of the islands. The most significant aspect of the study was that I was able to make a thorough documentation of the status of the megapode for those islands, as well as collect valuable baseline information on the incubation mound of the species. Additionally, I made comprehensive checklists of the avifauna of the islands surveyed and an approximation of their abundance, and was able to identify the major threats that they were undergoing. An additional accomplishment of the survey was that I was the first scientist who walked around the entire coast of Great Nicobar and Little Nicobar. Of the 243 days available to me in this year, I spent 140 days in field work (about 57%).

1992-1993
 Research :- 80-85% 1
 Inst. Build. } - 15-20% 2
 Admin }

1993-1994
 Research 85%
 Inst Build } - 10%
 Admin }
 Ext. - 5%

1994-1995
 Research - 70% - 75%
 Inst Build } - 10%
 Admin }
 Ext. - 20% - 25%

Work done

31 July 1995 : Joined SACON

Tours

- 04 Aug. 92 - 10 Aug. 92 : To Madras, to get quotations for equipment
25 Aug. 92 - 04 Sep. 92 : To BNHS, Bombay for reference
10 Nov. 92 - 18 Nov. 92 : To Madras, for Binoculars, and tkt to Andaman
17 Nov. 92 - 12 Apr. 93 : Megapode Survey
19 Apr. 93 - 23 Jul. 93 : Nanda Devi Expedition
23 Aug. 93 - 30 Aug. 93 : Ministry of Environment (Nanda Devi Lecture)
16 Sep. 93 - 19 Sep. 93 : Madras regarding SACON Brochure
11 Nov. 93 - 15 Nov. 93 : Bangalore, OSI conference
25 Nov. ? : To Madras to book tkt to Andamans
03 Dec. 93 - 04 Apr. 94 : Survey of Megapodes
06 May 94 - 24 May 94 : Pre workshop / survey tour (Lesser Florican)
06 Jul. 94 - 10 Jul. 94 : Rishi Valley School. Lecture on birds / wildlife
12 Jul. 94 - 23 Sep. 94 : Lesser Florican survey
13 Nov. 94 - 18 Nov. 94 : Lesser Florican workshop arrangements
27 Nov. 94 - 06 Dec. 94 : Lesser Florican Workshop
08 Mar. 95 - 19 May 95 : Edible nest Swiftlet survey
01 Jul. 95 - 14 Jul. 95 : Swamp Deer PHVA at Dehra Dun
01 Aug. 95 - 30 Aug. 95 : Lesser Florican Florican Watch Survey.

Lectures

- 1) 25 July 1993. At Lalit Kala Academy, Madras. On the Floricans.
- 2) 9 July 1993. To the Engineer in Chief, Corps of Engineers, New Delhi. On Nanda Devi Expedition.
- 3) 12 July 1993. To the Chief of Army Staff, Indian Army, at New Delhi. On Nanda Devi Expedition.
- 4) 26 August 1993. To the first meeting of the Scientific Advisory Committee on Biosphere Reserves, under the Chairmanship of the Secretary, Ministry of Environment and Forests, at Paryavaran Bhavan, New Delhi. On Nanda Devi Expedition.
- 5) 2 August, 1993. To the Governing Council, and some participants of the Avian Conservation Workshop at SACON. On Nanda Devi.
- 6) 10 May 1994. To Wildlife Biology Students, Centre for Wildlife & Ornithology, Aligarh Muslim University. On the Andaman & Nicobar islands.
- 7) 11 May 1994. To Wildlife Biology Students, Centre for Wildlife & Ornithology, Aligarh Muslim University. On the Andaman & Nicobar islands.
- 8) 6 July 1994. To students and guests of Rishi Valley School, Andhra Pradesh. On Wildlife conservation.
- 9) 25 October 1994. To school teachers, at SACON. On birds.
- 10) 7 July 1995. To WII faculty / research scholars / students. On Nicobar islands.
- 11) 8 July 1995. To WII faculty / research scholars / students. On the conservation of the Lesser Florican.

Project proposals written:

1. A study on the ecology, status and conservation perspectives of certain rare endangered avifauna of the Andaman & Nicobar Islands'. 1992 October.
2. The status and conservation planning of the lesser florican in western

Background: What is a Viable Population?

A viable population is one whose numbers and distribution provide for continued existence at a known likelihood level for a specified period of time in a circumscribed area (Salwasser and Marcot 1986). The degree to which a specific wildlife population is viable is thus relative to the level of certainty, the span of time, and the area of concern.

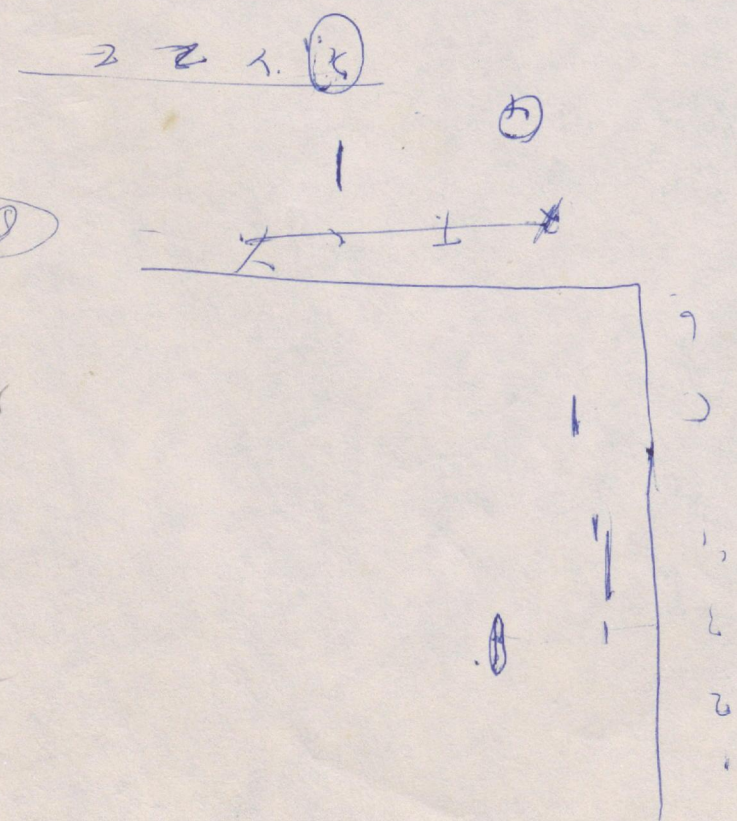
Most scientists likely would agree with Shaffer (1981) that viability is an long-term concern. From a purely biological perspective, a viable population can be defined as one for which we are highly certain (perhaps 95 percent certain) that the population would resist risks of major decline or extinction for at least a century, perhaps a millennium. The major goals of providing for viability therefore should be to maintain adaptability (variation in genotypes), flexibility (variation in phenotypes), and adequate size of the population over a wide geographic range and for a very long time. However, in specific management cases, some sacrificing of these long range goals might be necessary to accommodate other resource use activities or because of social or political considerations.

The purpose of **population viability planning** is to develop management criteria -- including application guidelines, monitoring procedures, and research studies -- that provide for a specified level of viability for a given species. Population viability planning also includes development and application of explicit criteria for deciding on an appropriate level of viability for a particular species and circumstance.

Population viability analysis is one stage in the viability planning process. The purpose of population viability analysis is to estimate the likelihood of continued existence of a population given existing or proposed


- Vegg
- Table 1 a
- Table 3
- weath 3
- weath 1
- colour
- Egg pit
- Egg size y
- Food
- ly test
- Lizard
- M size al
- msiey v 1
- M size lens v
- Pan
- Pit type
- Pit type 8
- rain at egg
- Sr. sort 1
- Sunfleck
- tem test
- Actual
- A d diff
- Act time
- Behave $\cos - \emptyset$
- Beh move
- Chickirk
- Chick mirror
- Clutch
- Terri
- Terri fin
- Popsie
- Habuse
- Mvce

Red crab: *Gecarcidea kpp.*



pkunip
pkzip
rs/m'sc

Intro - good
 Study Aeq - well written & comprehensive

Habitat suitability 

P-16 16 occurrences
 only 15 listed.

20,000
 30,000
 15,000

Great Hornbill is
 not mountain species
 only P-17

Ground surveys to
 check on occurrence
 of population in
 fragments / patches.

P-18 why \$
 crosses / lakes

Eq 3.5 patch size
 sq km? Ha?

P39 location suitable
 unsuitable

Presumes that absence
 was a function of
 unsuitable habitat
 only

61 histogram of distribution
 from transect to be
 given.

65 P > should be <

P43

Land cover type
 Appendix II?

↓ Appendix
~~Equation~~ I as yet
 ct

2
 36
 59
 144

$$\Delta \omega_i = S$$

Rates of income-tax

A. Normal rates of tax :

1. Where the total income does not exceed Rs. 1,00,000 Nil
2. Where the total income exceeds Rs. 1,00,000 but does not exceed Rs. 1,50,000 10 per cent. of the amount by which the total income exceeds Rs. 1,00,000.
3. Where the total income exceeds Rs. 1,50,000 but does not exceed Rs. 2,50,000 Rs. 5,000 plus 20 per cent. of the amount by which the total income exceeds Rs. 1,50,000.
4. Where the total income exceeds Rs. 2,50,000 Rs. 25,000 plus 30 per cent. of the amount by which the total income exceeds Rs. 2,50,000.

B. Rates of tax for a woman, resident in India and below sixty-five years of age :

1. Where the total income does not exceed Rs. 1,35,000 Nil
2. Where the total income exceeds Rs. 1,35,000 but does not exceed Rs. 1,50,000. 10 per cent. of the amount by which the total income exceeds Rs. 1,35,000.
3. Where the total income exceeds Rs. 1,50,000 but does not exceed Rs. 2,50,000. Rs. 1,500 plus 20 per cent. of the amount by which the total income exceeds Rs. 1,50,000.
4. Where the total income exceeds Rs. 2,50,000 Rs. 21,500 plus 30 per cent. of the amount by which the total income exceeds Rs. 2,50,000

C. Rates of tax for an individual, resident in India and of the age of sixty-five years or more at any time during the financial year :

1. Where the total income does not exceed Rs. 1,85,000 Nil
2. Where the total income exceeds Rs. 1,85,000 but does not exceed Rs. 2,50,000 20 per cent. of the amount which the total income exceeds Rs. 1,85,000
3. Where the total income exceeds Rs. 2,50,000 Rs. 13,000 plus 30 per cent. of the amount by which the total income exceeds Rs. 2,50,000.

Gross Salary 12471 x 12 = 149652
 Less Prof. tax = 601
~~149051~~

Chaper VI A

GPF 3000 x 12 = 36000
 LIC = 10476
 46476
 102575
 Net Income -

Tax - upto 11kth - Nil
 Balance 2575 @ 10% - 257.5

1355 x 12 = 16260
 Actual net recd.

rept paid over 10%
 of Salaries

1600 x 12 = 19200
 10846
 8354
 6025 + 3013 = 9038 x 12

90380
 18076
 10845.6 x 40%
 43382

46476
 8354
 54830

Metriche 2713 ✓
 ✓ 8000 7500 - Jeeva swaha
 80 488 -
 13524
 ✓ 10149
 60000
 20000
 Fidelity

IN-SITU AND EX-SITU CONSERVATION OF THE EDIBLE-NEST SWIFTLET COLLOCALIA FUCIPHAGA IN ANDAMAN AND NICOBAR ISLAND-PHASE-II

CL.1. THE AGREEMENT

CL.1.1 This Agreement is signed between Department of Environment & Forests, A&N (herein after called Department of Environment & Forests, A&N) and Salim Ali Centre for Ornithology & Natural History, Coimbatore (SACON).

CL.1.2. Department of Environment & Forests, A&N and SACON (hereinafter called PARTIES) are engaged in R&D activities. The parties are interested to collaborate with each other in the In-situ and Ex-situ Conservation of the Edible-nest swiftlet in the A & N Islands-Phase-II.

CL.2. SCOPE OF AGREEMENT AND UTILIZATION OF INTELLECTUAL PROPERTY DEVELOPED

A memorandum of understanding between the SACON and the Department of Environment & Forests, A&N Administration should be drawn incorporating the following terms and conditions.

CL.2.1. Regarding the utilization of funds, some minor re-appropriation of budget heads may be required at the final stage. This would be done with the prior/post facto approval of the funding agency.

CL.2.2. SACON has agreed to execute the project with the following conditions:

- (i) The fund should be spent strictly according to the items prescribed in the proposal and as per detailed budget annexed to the proposal. There should not be any diversion of fund.
- (ii) A certified statement of account shall be submitted on financial year basis as early as possible, preferably before 31st May of the respective next financial year by SACON.
- (iii) The staff and Labour of Wildlife Division involved in the project must be trained in the methodology of collection of eggs, their transport and introduction into nests.
- (iv) There shall not be any violation of the provisions of various acts and rules in vogue in Andaman & Nicobar Islands.
- (v) No specimen of bird, eggs or nests must be transported outside Andaman & Nicobar Islands without the permission of Chief Wildlife Warden by the Investigator.

CL.2.3. The staff of the Department of Environment & Forests, will be trained in Methodology of in-situ and ex-situ conservation of the edible-nest swiftlets.

$$\text{all WBS} = 57$$

$$- T + \text{WBS} = 12$$

$$- \text{Text} = 209$$

$$- \text{WBS excl} = 26$$

$$- \text{all F} = 249$$

$$- \text{Bats} = 51$$

$$T + \text{WBS} + \text{Bats} = 8$$

$$T + \text{Bats} = 20$$

$$\text{WBS} + \text{Bats} = 11$$

~~Bats~~
Only
~~Exclusively~~ Bats = 12

$$A = 2$$

$$AB = 34$$

$$B = 60$$

$$C \cup D = 196$$

$$D = 55$$

$$249 =$$

$$\begin{array}{r} 12 \\ + 209 \\ \hline 221 \\ + 28 \\ \hline 249 \end{array}$$

$$\begin{array}{r} 12 \\ + 2 \\ \hline 14 \\ + 2 \\ \hline 16 \\ + 2 \\ \hline 18 \\ + 2 \\ \hline 20 \\ + 2 \\ \hline 22 \\ + 2 \\ \hline 24 \\ + 2 \\ \hline 26 \\ + 2 \\ \hline 28 \\ + 2 \\ \hline 30 \\ + 2 \\ \hline 32 \\ + 2 \\ \hline 34 \\ + 2 \\ \hline 36 \\ + 2 \\ \hline 38 \\ + 2 \\ \hline 40 \\ + 2 \\ \hline 42 \\ + 2 \\ \hline 44 \\ + 2 \\ \hline 46 \\ + 2 \\ \hline 48 \\ + 2 \\ \hline 50 \\ + 2 \\ \hline 52 \\ + 2 \\ \hline 54 \\ + 2 \\ \hline 56 \\ + 2 \\ \hline 58 \\ + 2 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 249 \\ 20 \\ \hline 275 \\ 26 \\ \hline 301 \end{array}$$

$$\begin{array}{r} 2 \\ 209 \\ 26 \\ \hline 235 \\ 20 \\ \hline 255 \\ 26 \\ \hline 281 \end{array}$$

286

IS —
NO —
CT —
T —
WBS —
Bats —

115 = K. Colman

114, 114, 114
Q1 = ES/WS kill
46 = Swallow 31.
17 = ES kill Mitrox

WBC 36 258 259

281, 310

T = 7 = 8
Bats = + = 21

267, 275, 277

Referee's comments

The impact of nest collection on the Edible-nest Swiftlet in the Andaman and Nicobar islands" by R. Sankaran

General comments

This paper describes the status of the Edible-nest Swiftlet population in the Andaman and Nicobar islands, and compares present with past estimates of population size to ascertain the degree to which populations have declined. The study is set in context with a description and history of nest harvesting, and differences in the rates of decline are explained in the light of current harvesting circumstances. On this basis, the author then offers some potential solutions to the problem. The paper is very well written and comprehensive, and its main fault is that it is a bit too detailed and long. The author can easily address this problem by avoiding repetition and cutting out unimportant detail. Some minor comments are given below.

Specific comments

P3 para 1. This paragraph is not directly relevant to the study. Perhaps it should just be mentioned that the ES is one of several other species, and one of X species occurring on the islands in question.

P6 para 3. I would omit this detail and simply make a statement near the beginning such as "The population had to be estimated on the basis of nest counts, because counts of birds are too unreliable due to identification problems and the fact that many birds only return to their caves after dark."

P7. This section could easily be reduced. Some details, such as sentence 3 in para 3, hardly seem relevant. In fact, it may even be better to subsume the historical and other background material into the introduction, and concentrate on the science in the main body of the paper.

P9-10. Figures 2 and 3 are interesting, but not essential, especially as the information is largely given in the accompanying tables.

P10. "evidence of sustainable exploitation" is a rather elusive concept. I would rather allude to evidence of largescale overexploitation.

P11 para 2. Table 5 should be Table 4.

P13 para 3, last sentence. Perhaps add "...where populations have already been reduced..."

P14. I agree wholeheartedly that there is obviously a problem of 'open access' due to ill-defined property-rights, and that conferring these rights through contracts would be part of the answer. I would even hesitate to call 10-15 years long term, though, since over exploitation in this time frame may still be worthwhile, depending on how the

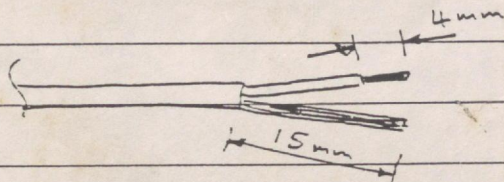
exploiter values present earnings over future ones, and considering that the effects of overexploitation may not be severe during this time frame. A better suggestion may be one of tradeable permits (perhaps with a minimum ownership period), provided that the trade value is directly affected by the way the cave has been exploited (it may require monitoring or expert judgement).

P16. I agree that housefarming may help to relieve the pressure on the species, partially by keeping the price down, but it will not in itself save the wild populations as long as the price of nests is high enough to warrant legal or illegal harvesting in caves.

THERMISTOR PROBE ASSEMBLY

① CLEAN INSIDE OF STAINLESS STEEL TUBE

② STRIP BACK SCREENED CABLE AS SHOWN! -



③ CUT LENGTHS OF SLEEVING AS FOLLOWS! -

30 mm OF 1mm SILICONE

10 mm OF 2mm SILICONE

40 mm OF 4.8 mm HEATSHRINK (CLEAR)

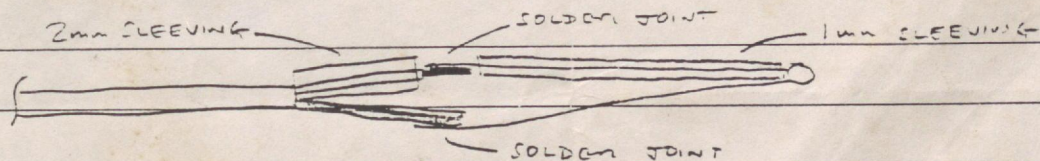
30 mm OF 7.5 mm HEATSHRINK (YELLOW)

④ CUT THERMISTOR WIRES DOWN TO 34 mm IN LENGTH

⑤ SLIDE 2mm SLEEVING ONTO SCREENED CABLE INNER

⑥ SLIDE 1mm SLEEVING ONTO ONE WIRE OF THERMISTOR

⑦ SOLDER THERMISTOR WIRES TO SCREENED CABLE AS SHOWN! -



⑧ SLIDE 4.8mm SLEEVING OVER THE ABOVE ASSEMBLY AND HEAT SHRINK IN PLACE (SHRINK USING HOT AIR 120°C - 200°C)

⑨ SLIDE ASSEMBLY INTO TUBE, SEALING BOTH ENDS WITH EPOXY AND FINALLY SHRINKING ON YELLOW SLEEVING

3x4 - 12 - 2m.

Yegorov's
Paper
DAS
29/11/95

150cm
- 10
140

15cm
1m

25
50
75

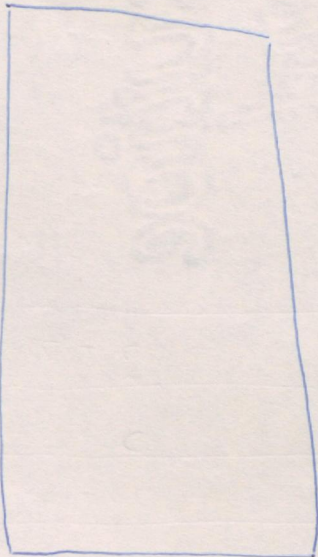
35
140
105

9m.

	n=42 A	n=35 B	n=22 C	Tot
only sand	14	4 7	4	
only loam	3	8	5	
only coral	1	0	0	
S + L				
S + V				
S + LL				
S + C				
L + C				

	A	B	C		A	B	C
1) S	32	20	12	17	L, S, C - 0	0	0
2) L	9	15	12	18	S, L, C - 2	0	0
3) S, L	10	8	7	19	S, L, LL - 0	1	0
4) L, S	4	2	6	20	L, RW, C - 0	1	0
5) S, C	4	1	0	21)	S, LL, V - 0	1	0
6) L, C	1	1	1	22)	L, LL, S - 0	1	0
7) C	1	0	0				
8) S, LL	2	1	0				
9) S, V	4	4	1				
10) S, RW	0	0	0				
11) C, RW	0	2	0				
12) L, LL	0	2	0				
13) L, V	1	0	0				
14) L, S, V	1	1	2				
15) L, S, LL	0	0	0				
16) L, S, RW	0	0	0				

	n=42	n=35	n=24	Tot.
	A	B	C	
Exclusively sand	14	7	4	
Exclusively loam	3	8	5	
Mainly sand with loam	5	5	7	
Mainly loam with sand.	3	1	4	
% occurrence of coral	16.7%	8.6%	4.2%	
⊗ % occurrence of vegetation rotting vegetation	21.4	37.1%	12.5	
Exclusively coral	1	-	-	1
Loam with coral				
Sand with coral				



Location	Type	
Great Nicobar '46'	A/B	Overrun by large pandanus. At base of large tree - probably mound extended to base.
Pilobha	B/C	At base of dead tree & spread over large area.
Shanbhay	B/C	Over fallen log against 2-3 saplings.
	A/B	against pandanus.
LAI	A/B	1 tree on edge of mound giving it appearance of B type
	B/C	At base of live tree with a dead tree across mound.
	C/B	Both on mound at base of dead stump & live tree
	A/C	
Pilobha slabs	?	within a cave that was open on both ends. On end which wasapodese are several ficus roots.
	C	At base of rotting stump but not high mound. Digging seem to be more in the nature of burrowing.
	B/C	At base of dead tree. Not high mound and digging into ground at base.
Nancowrie.	A	under a copra making machan. No burning this year (1 yr old) only soil where the burning had taken place so coal etc. Not large mound
	A	under a broken down copra making machan Not large mound.
	A/C	A type with log through it

Sub-editorial queries : Corrections (indicated in bold).

1. The spelling is **Andrew**.
 2. Please change the spelling in Figure 1 to **Pilo Milo**.
 3. I have marked **Megapode & Pigeon** Islands on the map. They are very small, and an arrow as made by me should suffice.
 4. Please change it to **12** islands.
 5. ? (not given by you)
 6. O.K.
 7. Chaura is not to be included in Table 1. It was not surveyed.
 8. Please insert **However**.
 9. Stone, T. 1991. Megapode mounds and archaeology in northern Australia. *Emu* 91: 255-256.
 10. Please change to '**... inhabited and of the 3 active mounds found one was...**'
 11. Please change to '**.. outlying islets in the Great Nicobar Group...**'
 12. The correct spelling is **Brown**. Please make correction in references.
 13. Please retain second last line to read '**... large tracts of optimal megapode habitat for it not to reflect on active mound densities.**'
 14. Please leave it unchanged.
 15. O.K.
 16. Your changes makes better reading. Only further modify to read '**... hunting pressure may exist. At Tahiyuol 71 legs....**'. Delete '**as a recent phenomenon, with the popularisation of airguns.**'
 17. The passage does not convey what I want it to say. Passage should read '**... have converted coastal forest to coconut plantations and have clearfelled forests to plant banana, papaya and tuber bearing plants.**'
 18. Reference is: Collar, N.J., Crosby, M.J. & Stattersfield, A.J. 1994. Birds to watch 2. The world list of threatened birds. Birdlife conservation series 4. Birdlife International, Cambridge.
- (Please see 11 below for further modifications to this passage.)
19. Yes. New Delhi is right.
 20. Abbreviations are fine. I have Transposed table numbering.
 21. Totals have been given. I think birds in text and pairs in the Table is alright and can be left as it is.

Other Corrections

Page/column/para/line (proof)

- 1) P. 1. (Abstract) line 16. 848 to be changed to 849.
- 2) P. 3.1.1.1. Mechal is misspelt. Should read **Menchal**.
- 3) P. 3.2.2.2. Should read '**....rotting vegetation within which eggs...**' Insert '**in**'.
- 4) P.3.2.last para.3. delete **is** and replace with **of**.
- 5) P.3.2.last para. '**... 17 islands was sampled...**' Only 16 islands are given in Table 1. Please add a footnote to Table 1 stating '**Cabra island not included**'.
- 6) P.4.2.3.last line. '**... were recorded for every mound seen.**' '**f**' is missing.
- 7) P.5.2.3.20. '**thought**' should be '**though**'. Delete '**t**'.
- 8) P.5.2.-5th line from bottom. **Nancowry**. '**N**' should be capital.
- 9) P.7.1.2.3. Delete '**into coconuts**'
- 10) P.7.2.3.3. Spelling is **Project Yatrik**. Delete '**c**' in Yatrik.
- 11) P.8.2.3. Delete '**It is currently..... the range is greater than 100 km2 (SU).**' Rewrite rest of para to read '**The only two criteria (IUCN criteria for threatened status; Collar et al., 1984) for which this, I propose that it be classified as vulnerable, and its status**'

Correction Number 11 is important because based on my communications, the

recent publication of Birdlife International has changed the classification for this species. Please make this change.

Tables

- 1) Table 1. : Tribal population of Camorta should read 1406 and not 1046.
- 2) Table 2. Change number to Table 3.
The column KN should come under *M.n. abbotti* and not under *M. n. nicobariensis*.
- 3) Table 3. Change number to Table 2.

Add totals to read

<i>M. n. abbotti</i>	849	1698-2972
<i>M. n. nicobariensis</i>	312	624-1093

Please make this correction

Treis	4	8-14
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Corresponding Table number changes in text are

- P.5.2.1.last line. Table 3 to Table 2.
- P.5.2.3.3 from bottom. Table 3 to Table 2.
- P.6.1.1.last line. Table 3 to Table 2.
- P.6.1.2.4. Table 2 Table 3.
- P.6.1.4.4. Table 2 to Table 3.
- P.7.1.1.5. Table 2 to table 3.
- P.7.1.3.4. Table 2 to table 3.
- P.7.1.4.5. Table 2 to table 3.

References

1. Stone, T. 1991. Megapode mounds and archaeology in northern Australia. *Emu* 91, 255-256.
2. Collar, N.J., Crosby, M.J. & Stattersfield, A.J. 1994. Birds to watch 2. The world list of threatened birds. Birdlife conservation series 4. Birdlife International, Cambridge.

SUBEDITORIAL QUERIES - SANKARAN - BIOC/9404AUS

1. Page 2.2.3: Is the spelling Andrews or Andrew, as in the References?
2. Page 3.1.2-3 up: Pilo Milo is spelt as this in the text, but is Pulo Milow in Fig. 1.
3. Page 3.1.2 up: Megapode Island and Pigeon are not included in Fig. 1.
4. Page 2 line 2 up: 13 islands - only 12 appear to be mentioned on page 3. Could you check this, please.
6. Page 6.2.2 up: We have deleted "or 0.1 km".
7. Page 7.3.2 and 8.3.5: Chaura is now shown in Fig. 1 nor included in Table 1.
8. Page 8.1.3-4: "introduction.. of P. larvata"" P. hermaphroditus is the only introduced species". This seems contradictory. Do you mean that you disagree with Dekker? In which case, we should add "However, of the two civets...".
9. Page 8.2.6: Stone 1991 is not in the References. Could you please provide details.
10. Page 10.2.11: 1 active mound - 3 are shown under Kondul in Table 2.
11. Page 11, last line: Do you mean the "outlying islets" of the Great Nicobar group?
12. Page 11, line 4 up: Is the spelling Brown, or Browne, as in the References?
13. Page 12, last three lines: We have deleted from "for it not to...as this is repetition of previous statements.
14. Page 13.1.7-11: This passage could be reduced to one sentence, referring to Table 2.
15. Page 13.3.4-5: Are Tahiyuol and Pilo Pakka on Little Nicobar? "on" should be included as otherwise the sentence seems contradictory, with Little Nicobar mentioned as having no hunting and great hunting pressure.
16. Page 13/14: There is a good deal of repetition here. We suggest modifying the wording (from p.13.3.4) as: "collection... Tahiyuol, on Little... Pilo Pakka, also on Little... Hunting was greatest on the west coast of Little Nicobar and rare or uncommon over much of the Nancowry group, particularly Kondul, where continued.... exploitation. Where traditional values have been.... may exist as a recent phenomenon, with the popularisation of air guns. At... up, shot during... (Page 14.1.4).. The Shompen and some Nicobarese do occasionally collect eggs and on Bompoka megapode eggs are gifted..Teressa. (Delete rest of para)
17. Page 15, lines 4-5 up: We have deleted "have converted coastal

forests abutting their villages into coconut plantations and".

18. Page 16 bottom/17 top: You should give the reference to IUCN.

19. References: Sing 1981 - published in New Delhi?

20. Table 2: We have amended the abbreviations in the footnote for Nancowry to NN and Katchall to KT. Table 2 is mentioned in the text after Table 3. Please add a reference to it earlier, or transpose the table numbering.

21. Table 3: It would be useful to include the totals to the two columns. However, you quote numbers of birds in the text, but pairs in the Table, which appears somewhat confusing. Can you please check this to see whether you should be consistent and that the figures given in the text match the table.

Alpine meadows	29		
Sub alpine forest	37		
Upper temperate	44		
River, watercourses	7		
Steep rocky slopes / cliffs			
Rocky / boulder strewn areas with sparse vegetation.			

Habitats

1. alpine meadow
2. subalpine forest
3. upper temperate
4. River, water courses
5. steep rocky slopes
7. Agriculture / habitation
8. Rocky / boulder strewn areas with sparse vegetation.

Abundance.

1 = 1

2 = 2-5

3 = 6-10

4 = 10 - 50

5 = 50-100

6 = 100+

- 1. alpine meadow
- 2. subalpine forest
- 3. upper temperate
- 4. River; water courses. Gorge
- 5. steep rocky slopes

No.	Habitat	Name	Locations	Altitudes	Abundance	Notes
1	2; 1	Sparrow hawk	Dibrughata	3600	3	
2	2; 1	Longlegged buzzard	Maltani Pers malla Dibrughata	4000, 3300	2	
3	4	Booted hawk-eagle	Rishiganga gora	2300-3000	< 5	
4	1; 2	Golden eagle	Above Trishul Rishi Confluence Samon Patol	3500; 4600	3/2 ad 1 juv	
5	1, 2, 3, 4	Himalayan Gritton	Throughout Survey	2300-4600	7/100	
6	1, 2	Lammyler	Dibrughata Dadapani Dhimgala Sardapat	3600-4600	20-25	
7	4	Falcon sp.	Doodganga Dibrughata	2700 m	1	
8	1, 5	Kestrel				
9	1, 5	Snow partridge	Dibrughata Satkula	6100 m	2	
10	Agriakha	Black partridge	Around Soshimath	1800-2000m	15-20 20-25	
11	1.5	Snowcock	pakhkhon and above	4100-4500'	20-50	
12	2, 1, 2	Monal pheasant	Belta- Ramani	2700-3900	60-75	
13	2	Kokles	Dibrug	3500	8-10	
14	1	Blue rock pigeon Snow pigeon	Doodganga	2700-4500	7/100	
15	1	Hill pigeon	Above Trishul Malak	3700m	1 (6)	
16	3	Rufous turtle dove	Belta. Aulie	2000-2700	20-25	
17	3	Speckled wood pigeon	Rishigora Belta	2000-2700ft	15-20	
18	2, 3	Cuckoo	Dibrug Belta	2700-3600	< 10	
19	4, 5	Himalayan swiftlet?				
20	4, 5	Large white rumped swift	Gora	2500-3000	40-50	
21	3, 4, 5	Hoopoe	Aulie Jankimath	2200-2500	8-10	
22	3	Great Hill parrot	Aulie	2500	12-15	
23	3	Sapsucker	Aulie	2500	3	
24	3	Himalayan pied woodpecker	Aulie	2500	5-6	
25	2	Woodpecker sp.	Dibrug.	3600	1	
26	3, 4, 5	Rufous backed shrike	Aulie/ Akanmath		15-20	
27	3, 4, 5	Black drozo	A 11		15-20	
28	4, 5	Common mynah	Jankimath			
29	3	Red crowned jay	Aulie		4-5	
30	3	Black throated jay	Aulie		1	
31	3	Redbilled blue magpie	Aulie		4-5	
32	3	Himalayan tree pie	Aulie		1	
33	1, 2	Red billed chough.	Maltani- pakhkhon	3300-4000	7/100	
34	1, 2, 5	Yellowbilled chough	Banyan samany dal Kalthon		7/100	
35	1, 2, 3	Nutcracker	Ranai		20-25	

last
Abundance

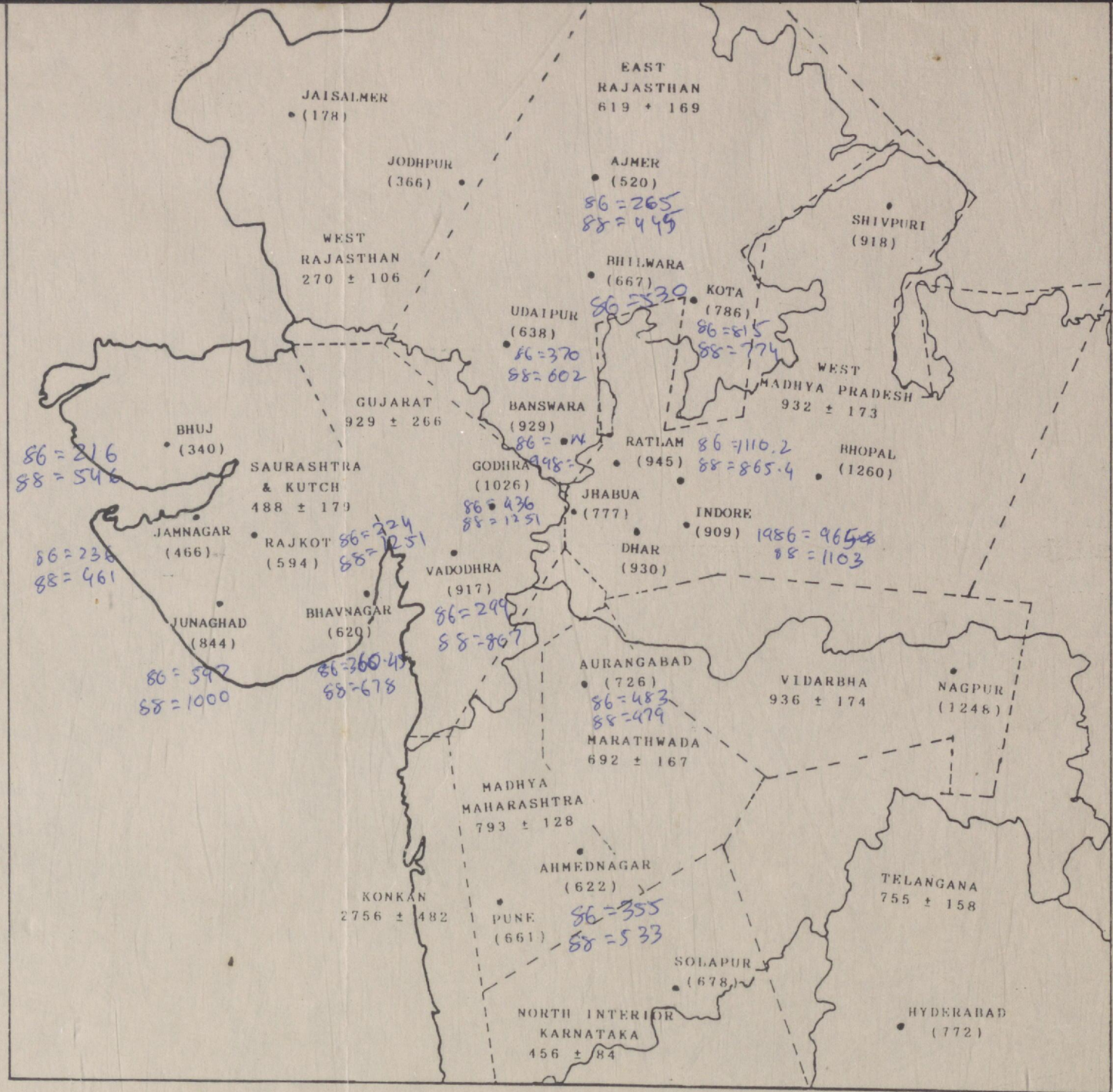
	1-4000 no.	Name	Habitat	Location	Altitude	Abundance
36	1049	House crow	Agri	Soshimath.		
37	1054	Shyle crow	Agri 1, 2, 3, 4	1/10 Dibrn.		750
38	1085	longtailed minivet	3	Aulie		5-6
39	1125	white cheeked bulbul				
40	1148	Black bulbul	3	Aulie		10-12
41	1290	variegated layhly thrush	3	Belta Aulie		15-20
42	1314	streaked layhly thrush	Agri / 3	Above Soshimath		40-50
43	1359	Barthroated siva	2	Dibrn Deodi		4
44	1396	Black capped sibia	3	Aulie		4
45	1414	orange goy-attul flycatcher	2	Deodi/ Proude		2
46	1421	white browed blue "	3	Belta		1
47	1449	Grey headed flycatcher	3	Aulie		25
48	1461	Paradise flycatcher	3	Aulie		25
49	1479	large bush warbler	1	Dibrng-etha		8-10
50		Cettia sp.	1	Bithantoli		1
51	1578	Tyler's leaf warbler	3, agri	above jashimath Belta khadakh		u.c
	1586	Dusky leaf warbler?				
52	1581	olivaceous leaf warbler	1	Sansongpatal north sandy.		
53	1594	Pallas's leaf warbler	3, 4	Doodgaya		1
54	1601	large billed leaf warbler	2, 3, 4,	Deodi, Dibrng-etha, Belta		15-20
55	1605 1605	Dull green leaf warbler	2	Dibrng-etha		
56	1606	large crowned leaf warbler	2, 3	Gorge, Belta		
57	1609	Blyth's leaf warbler	2	Gorge Goum Dibrn.		
58	1615	Black browed flycatcher	2	Dibrn		8-10
59	1618	Grey leaved flycatcher warbler	3	Doodgaya		1
60	1629	Goldcrest	2	Dibrng-etha Deodi		2-10
61	1647	Himalayan rubthroat	1	Bithantoli sansongpatal		4
62	1650	Blue chat	2	Maltoni		1
63	1650	Orange tailed bush robin	2, 3	Maltoni- Belta		750 10-30
64	1670	Blue headed redstart	3	Above Belta		2
65	1671	Black redstart	1	Sansongpatal		1
66	1675	Blue fronted redstart	1, 2	Dibrn → Samon		750
67	1677	plumbeous redstart	4	Maltoni ganga ganga (Kathin)		3
68	1683	Hodgson's grandala	1	Sansongpatal		1 (X) Ashwin
69	1684	Little fork tail	2	Dibrn		1 (1+1)

Num.	H. band nos	Species	Habitat	Location	Altitudes	Abundance
70	1688	Spotted fork tail	4	Above Jashimth Aulie		3
71	1697	stone chat	agri	Above Jashimth		725
72	1705	Dark grey bush chat	agri	Above Jashimth		725
73	1716	white capped redstart	4	Rin-San patal		725
74	1723	Blue headed rock thrush	3 Agri	Above Sashimth		5-4
75	1729	Blue whistling thrush	5, 4, 1.	Rini - Bithantoli		7100
76	1739	Plumbacked mountain thrush	1, 2	Dibrugh		3
77	1748	Tichells thrush	3	Aulie		<5
78	1749	White collared blackbird	3	Belta Khadak		1
79	1750	Grey winged blackbird	3	Aulie		<5
80	1752	Black bird	3	Aulie Belta		<5
81	1768	Mistle thrush.	2	Dibrugh		1
82	1770	wren	4/5	Deodi Ramani		2
83	1775	Brown dipper	4	Kalikona - Dood qaya Dibrugh		15-20
84	1777	Alpine accentor	5	Patakkan		1+
85	1781	Robin accentor	1	Sanson patal		1
86	1783	Rufous breasted accentor	(bushes) 1	M. Sanch		<5
87	1799	Greenbacked tit	3	Aulie Kashkora		8010+
88	1802	crested black tit	2/3	Belta → Ramani		750
89	1804	Black tit	2	Deodi Tishimth		2
90	1815	Fivecapped tit	Jashimth 2	Bithantoli		(8-10) 2
91	1822	white throated tit	2	Deodi Dibrugh		2 (5-7)
92	1832	white checked nuthatch	2/1	Dibrugh		1
93	1842	Tree creeper	2	Dibrugh		1
94	1847	Himalayan tree creeper	2	Dibrugh - Tishimth		<5
95	1852	Indian tree pipit	2/1	Dibrugh -		10-20 20
96	1865	vinaceous breasted n	1	Sanson patal Bithantoli Dibrugh. Tishimth		750
97	1884	Grey wag tail	4	Tishimth		<5
98	1896	Yellowbellied Flowerpecker	3.	Kalikona		2
99	1933	white eye	3	Aulie		5 725
100	1938	House sparrow	Agri	Sashimth		
101	1982	Black & yellow grosbeak	3	Aulie		2
102	1986	Spotted winged grosbeak	3/2	Aulie Dibrugh, Belta		10-15
103	1998	Gold fronted finch	Agri 3	Above Sashimth Aulie		7100
104	2000	Hodgson's mountain finch	1	M. Sanch		2

N.	Hibooch no.	Species	Habitat	location	Attempts	Abundance
105	2013	Common rosefinch	1	Dibru		1(3)
106	2017	Pinkbrowed rosefinch	1, 2			
107	2019	Spottedwinged rosefinch				
108	2021	Whitebrowed rosefinch				
109	2023	Beautiful rosefinch	5	Bithartoli		1(2)
110	2031	red breasted rosefinch				
111	2039	red headed bullfinch	2	near Ramani		2

Island	Area	Survey dates	Coastline	% coastline surveyed	# sampling sites	Days / km distance
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Island	Area	Survey dates	Total Coastline	# Sampling sites	Total transect dist	% Coast survey
GMI	1065.1	11-12-92 to 28-1-93; 19/2/93 to 28-2/93	213	19	30.4 km	14.3
Megapode Ist.	0.25	MS 25/12/92	1.5	1	1 km	≤ 50.75
LHI	159.1	28/1 - 15/2	78	12	12.7	16.3
Pilo Milo	1.3	16-2 - 18/2	3.0	1	2.5	83%
Camouba	18.2	1-3/93 to 18/3/93	112.5	8	12.2	10.8
Trinkat	36.3	19/3 - 24/3	30	2	4.0	13.3
Naucoony	66.9	26/2 to 29/3	44.3	4	10.25	7.4
Katchall	174.4	31/3 - 3/4	78.0	3	8	10.1



4	2	14.6	20.8	64.6	
1	4	3	45	15	40
1	4	4	7.1	1.2	91.7
1	4	5	15.5	0	84.5
1	3	1	3.6	0	96.4
1	3	2	1.7	60	38.3
1	3	3	14.3	26.9	58.7
1	3	4	14.3	57.1	28.6
1	3	5	10.2	42.85	46.9
1	2	1	28.67	33.6	37.8
1	2	2	16.4	44	39.6
1	2	3	29.7	24.3	45.9
1	2	4	32.8	24.5	42.6
1	2	5	34.7	45.1	20.1
1	1	1	88.1	3.2	8.7
1	1	2	86	5.6	8.4
1	1	3	95	2.5	2.5
1	1	4	80.7	12.6	6.7
1	1	5	73.1	19.4	7.4
2	4	1	0	94.6	5.3
2	4	2	1.1	95.8	3.2
2	4	3	2.8	89.6	7.5
2	2	1	0	90.3	9.7
2	2	2	13.8	85.2	1
2	2	3	8.2	89.3	2.5
3	4	1	0	71.4	28.6
3	4	2	4.4	80.9	14.7
3	4	3	9.8	35.3	54.9
3	4	4	0	26.7	73.3
3	4	5	0	11.6	88.4
3	1	1	11.4	34.2	54.5
3	1	2	2.2	11.4	86.4
3	1	3	7.6	12.8	79.5
3	1	4	9.5	7.1	83.3
3	1	5	3.1	13.8	83.1
3	3	1	2.1	48.9	48.9
3	3	2	6.3	84.4	9.3
3	3	3	0	93.8	6.3
3	3	4	0	84	16
3	2	1	0	85	15
3	2	2	3	70.3	26.6
3	2	3	0	64.7	35.3
3	2	4	0	51.2	48.8
3	2	5	0	58.1	41.9
1	4	1	23.4	6	70.1
1	4	2	14.6	20.8	64.6
1	4	3	45	15	40
1	4	4	7.1	1.2	91.7
1	4	5	15.5	0	84.5
1	3	1	3.6	0	96.4
1	3	2	1.7	60	38.3
1	3	3	14.3	26.9	58.7
1	3	4	14.3	57.1	28.6
1	3	5	10.2	42.85	46.9
1	2	1	28.67	33.6	37.8

1	2	2	16.4	44	39.6
1	2	3	29.7	24.3	45.9
1	2	4	32.8	24.5	42.6
1	2	5	34.7	45.1	20.1
1	1	1	88.1	3.2	8.7