

For Carol Inskipp, c/o BCN

A report is in prep for DNPWC & others. This should be completed by the end of July 2004. I will send you & BCN a copy one finished & cleared by DNPWC.

In the interim I hope these notes are helpful with your & BCN's various publications on birds of Nepal.

All the best, Jack

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P.S. elevations for each obs. still need to be added from top map positions.

W-C Nepal

2003

Bird Notes

14 April — 6 July 2003

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GPS Coordinates:

Elev. m

14 April 2003 Gaur, Rautahat ( ) -  
Day 1 Sedhawa, Siraha ( )

Hanuman Dharmsala, Gaur, Rautahat: 26°45.999'N 85°16.903'E (88)

WAYPT 1 (farthest pt on AM birdwalk): 26°46.334'N 85°16.858'E (46)?

WAYPT 2 (trail jct c. Belbichhawa chauki): 26°45.474'N 85°18.218'E (57)

India-NP borderpost No. 53: 26°45.128'N 85°18.350'E (52)

WAYPT 3 (along NP-India border track): 26°44.740'N 85°19.354'E (66)

Lunch 1 (Brahmapuri village grove): 26°44.970'N 85°19.568'E (63)

\* (cont. below Habitat section)

Weather: Clear in AM, but rather hazy from dusty air;

73°F at 06h20; wind from E picking up at 08h00 + rather gusty by 08h30; still breezy until 11h00; fairly breezy + clear mid-day; 94°F

at 14h45 in shady grove lunchstop; calm at 15h30; v. hot on white sand;

calm + dusty c. dusk; rain storm at 19h30-21h00 w/ wind.

Habitat: mostly fallow khets c. Gaur, some with a few patches/stalks

of winter <sup>wheat</sup> rice; scattered mango + Sissoo dalbergia groves; cut-off river meanders E edge of Gaur w/ Eichhornia + other aquatics; farther E of Gaur

mix of fields w/ wheat stubble + some un-cut or partly cut w/ ripened wheat.

mud + sandflats w/ overgrazed 'putting green' grassy areas along w/ in Bagmati;

elongate patchwork of mostly cut 'khar' grassland on E bank of Bagmati.

WAYPT 4 (attempted Xing pt in Bagmati): 26°44.791'N 85°20.035'E (39)

SEDHAWA (Sedhawa gov. school, Siraha): 26°45.617'N 85°20.668'E (55)

Effort: 06h00-07h15 AM birdwalk NE of Gaur: 1.25

08h20-12h30 AM march to lunchstop : 4.17

13h00-13h30 observation period at lunchstop : .50

14h45-18h45 lunchstop - Sedhawa school: 4.00

Σ = 9.92 hr.

1. Common Myna - pair c. Hanuman Dharmsala, Gaur,

2. House Crow - c. 12 c. " do " "

3. Large-billed Crow - 1 w/ #2s, same tree, " do "

4. White-breasted Water Hen - 1 in Eichhornia-clogged lake, E Gaur, c.

5. Asian Pied Starling - pair past bridge over pond/lake " do "

6. Asian Koel - 1 seen in flt, also heard, " do " "

7. Crested Kingfisher - 2 ♂♂ flying over oxbow pond E of Gaur,

8. Mystery Parakeet - pair... " do " " disturbed by #9.

9. Shikra - ♂(?) flying c. oxbow just E of central Gaur, some under a pair seen well from underneath (incl. chestnut wing in open sisoo tree-tops, pond edge E of Gaur,

11. Indian Pond Heron - pair at edge of oxbow pond E Gaur,

12. Rufous Tree Pie - pair in mango/Bombay/bans grove " do "

13. Bronze-winged Jacana - 1 at oxbow <sup>marshy</sup> littoral mudflat, " do "

14. Common Tailorbird - 1 (H) in grove, 1/2 way back on AM birdwalk,

15. Red-vented Bulbul - 1 (H) in grove, " do " " " "

16. House Sparrow - 1 + 1 c. dharmasala, Gaur, on dep.

17. Zitting Cisticola - 1 E of Gaur on departure; c.

18. Paddyfield Pipit - 1 in fallow khets, E of Gaur, c.

19. Eurasian Collared Dove - 2 at Laxmipur; 1 more at Belbichhawa, c.

20. Common Stonechat - ♂ c. border marker no. 53, c.

21. Black Drongo - 1 flying into Nepal, c. 0.5 km E of BP 53, c.

22. Red-throated Flycatcher - red ♂ at lunch grove, Brahmapuri, c.

? 23. Blyth's Reed Warbler - 1 <sup>not seen</sup> <sup>diagnostically</sup> " do " " in display flight, singing continually.

24. Oriental Skylark - 1 past lunchstop -> W bank Bagmati R., c.

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Additional records:

- #10) pr. 1 <sup>(chestnut 1<sup>st</sup> underwing; small)</sup> seen well in grove c. pond, E Gaur;  $\geq 2$  (H) Belbichhawa c. post - BPS3, c.
- #6) ♀ <sup>(H)</sup> seen in treetop, E Gaur, on AM bird walk, c.; 1 c. lunchstop, c. Brahmapuri
- #5) 2+3 c. bridge c. dharmala, Gaur "do"
- #18) 1 seen well c. 1 km E of Gaur; 3-4 Laxmipur-Belbichhawa, c.
- #17) 2 more <sup>seen + H</sup> "do"; 1+1 (H) Belbichhawa-BPS3, c.
- #3) 2 c. Laxmipur bazar, E of Gaur, c.; 1 E of Brahmapuri, c. <sup>+ 4-5</sup>
- #14) 1 (H) "do" "do"; 1 (H) c. Belbichhawa, c. <sup>5+ 22</sup>
- #2) 1 seen "do" "do"; pr. at Belbichhawa, c. <sup>flock of 12 E of Brahmapuri, c.</sup>
- #1) pair in tree, Laxmipur, c.; 2 more c. Belbichhawa, c. <sup>12 E of Brahmapuri, c.</sup>
- #17 cont) breed pr. E of BPS3, c.; 1 more further on track, c. <sup>puri, c.</sup>
- #18 cont) 1 past BPS3, c. <sup>(v. short grass flats)</sup>
- #24) 1 NE Brahmapuri in Bagmati, c.;
- #2b) 2 in Bagmati flats, E of Brahmapuri, c.;
- #31) 1 "do" <sup>not in breed. plumage</sup> "do";
- #6 cont.) 1 (H) from grove approaching Sedhawa, c.;
- #2 cont.) 4, approaching Sedhawa, c. <sup>at twilight</sup>; 3-4 c. Sedhawa school, c.

Route:

Breeding record

(carrying food) interspersed by thin strands/clumps of grass.  
 ① Zitting Cisticola - a pair in khet of tall, ripening wheat; no aerial display, but flying up a bit, perching on stalk-tops, calling all the while; 1 bird perching with a small grey-brown caterpillar in its beak; other bird watching closely from nearby perch. Attempted to locate nest but could not find it; c. 1 km E of BPS3 just inside border

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14 April 2003 Gaur, Rautahat ( ) - Day 1 Sedhawa, Siraha ( )

- 25. Little Ringed Plover - 1 in breed. plumage along Bagmati mid/sand flats E Brahmapuri, c.
- 26. Little Egret - 1 along shallows + midflats "do" "do"
- 27. Red-wattled lapwing - 1 "do" "do"
- 28. Asian Openbill - 1 over Bagmati E of Brahmapuri, c.
- 29. Mystery Falcon - 1 <sup>low</sup> over Bagmati (long call), "do" c.
- 30. Black Francolin - 1 (H) on E bank Bagmati, "do"
- 31. Indian Pond Heron - 1 in breed. plumage, "do"
- 32. <sup>Common</sup> Greenshank - 1 (distinct view) in middle Bagmati pools, flats, c.
- 33) Little Cormorant - flock of 4 over Bagmati, E of Brahmapuri, c.
- 34. Common/White-tailed Stonechat - ♀ in cut-over grass, W of Sedhawa, c. <sup>E bank Bagmati</sup>
- 35. White-throated Kingfisher - 1 (H) edge/E bank Bagmati, "do"
- \*36) Bristled Grassbird - presumed ♂ perched on tallest Khair grass stalk in patch just E of W bank Bagmati, W of Sedhawa gau; weird "chir-tee-eeep"-like call repeatedly/monotonously given; good views while perched. <sup>1 seen briefly but clearly, perched w/ tail cocked</sup> b/w slurred dhhenote after
- 37. Yellow-bellied Plover - on grass stalk top; grass patch W of Sedhawa, c. calling; decelerated + descending call; in fallow khet
- ?38. Greater Coucal - 1 on ground; large size, c. #36-7 site "do"
- 39. Cattle Egret - 9 c. water buff, in transition to breeding plumage <sup>approaching Sedhawa, c.</sup>
- 40. Spotted Owlet - a pair, 1 seen well, dusk → twilight, c. Sedhawa
- 41. <sup>omitted</sup> Red-rumped Swallow - 1 c. "docks" at Brahmapuri, Bagmati W bank, c.
- 42. <sup>omitted</sup> Black Kite - 1 out over Bagmati, seen from <sup>E</sup> "do" "do"

Σ = 41 spp. [#s 10-38 possibly same]; 37 seen + 4 H only; all new for trek

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GPS Coordinates:

				Elev.(m)
SEDHWA (Sedhawa school, Siraha)	26°45.617'N	85°20.668'E	(55)	
WAYPT 5 (farthest pt SW on AM birdwalk)	26°45.062'N	85°20.115'E	(47)	
WAYPT 6 (on trail 1/2 way back to Sedhawa)	26°45.258'N	85°20.169'E	(51)	
CHANKTL (Chaunkitoli, Siraha [mandir])	26°45.364'N	85°20.908'E	(47)	
WAYPT 7 (jct track into grass/track to BP)	26°45.461'N	85°21.122'E	(48)	
WAYPT 8 (edge Sissoo grove E of Sedhawa)	26°45.899'N	85°20.916'E	(46)	
MHN PUR (center of Mohanpur, Siraha)	26°46.184'N	85°20.459'E	(53)	
WAYPT 9 (bamboo clump NW of Mohanpur)	26°46.555'N	85°19.892'E	(65)	
LUNI 2 (lunch stop edge of Hansmāra Kh.)	26°46.914'N	85°20.909'E	(67)	
WAYPT 10 (crossing pt, Hansmāra Khola, W bank)	26°46.832'N	85°19.839'E	(56)	
WAYPT 11 (mid-river crossing of Bagmati)	26°47.113'N	85°19.352'E	(50)	
WAYPT 12	26°47.193'N	85°19.241'E	(49)	
WAYPT 13 (on gravel rd N Sirsiya, Rautahat)	26°47.165'N	85°18.091'E	(59)	
WAYPT 14 (entrance of walled orchard)	26°47.224'N	85°17.826'E	(60)	
WAYPT 15	26°46.803'N	85°16.815'E	(48)	
WAYPT 16	26°46.821'N	85°16.304'E	(48)	
GADHWA (Gadhawa gau, Rautahat)	26°45.677'N	85°16.087'E	(46)	
WAYPT 17	26°45.545'N	85°15.796'E	(50)	
CP 1 (cp site W of Lal Bakaiya, Nadi, Rautahat)	26°46.623'N	85°15.683'E	(46)	

Weather: Early AM high, thin overcast & cool; also a bit hazy, but burning off c. 07h30; fairly breezy late AM, continued clear & not v. hazy; Clear & hazy at 15h00; continued clear, hot + hazy into late afternoon and evening; still breezy continuing on 20h00-21h00 to campsite

Effort: 05h30-10h15 AM birdwalk 4.75  
 11h15-13h45 mid-day march 2.50  
 16h00-18h45 afternoon/eve march (until dark) 2.75  
 Σ = 12.00 hr.

15 April 2003

Sedhawa, Siraha ( )

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Day 2 Camp W of Lal Bakaiya, Nadi, Rautahat ( )

1. Spotted Owllet - 1 on outhouse roof, school at Sedhawa, c. (approached to w/in 10-12m for good view)
2. Asian Pied Starling - 2+1 c. edge of Sedhawa gau, c.
3. Common Myna - 1 bird w/ nesting material, Sedhawa school, c.
4. Black-shouldered Kite - 1 over cut grass + fallow Khets, SW Sedhawa, c. (juv.)
5. Cattle Egret - 5+1+1 in/over chopped over grassland " do "
6. White-breasted Waterhen - 1 in cut-off meander SW Sedhawa, c. (trib. (later, outer tail seen well))
7. Common/White-tailed Stonechat - a ♂ in uncut Khār, " do "
8. Asian Openbill - 1 flying overhead, SW of Sedhawa, c.
9. Plain Prinia - ≥ 1 in breed. plumage, edge of Khār patch, " do " (squeaky calls, perching on grass)
10. Singing Bushlark - a pair perched on bundles of cut grass at the edge of a patch of Khār grassland SW of Sedhawa, c. ; birds w/in 5m of ea. other; 1 singing w/ beautifully varied song; both seen well at close range & unobstructed. Slight spotting or streaking on upper breast, otherwise noticeable breastband uniform brownish band; bit of black at bend of wing; very noticeable white/whitish eyebrow, tapering c. ear coverts as in G. et al. plates. Slight crest, almost unapparent from some angles; rufous wing patch distinct w/ black at 1<sup>o</sup> tips; bill more conical than Oriental, 1 of which near top; G. et al.: sing from perch (un-noted in G. et al 2000); previously only recorded in Nepal from Sukladanthea considerable E-ward extn of range; not v. wary? sneaked up on rem. lateral tail feathers not white/whitish (G. et al.)
11. Oriental Skylark - 1 on ground + in flight near #10 site, c.
12. Bluethroat - 1st winter ♀ c. edge of Khār grassland, SW Sedhawa, c.
13. House Crow - 3 or 4 c. edges of grassland, SW Sedhawa, c. (+ 22 earlier c. village)
14. Black Drongo - 1 c. fallow/plowed Khets + Khār grass edge, " do "
15. Eurasian Collared Dove - confiding pair in flt, " do " " (seen well)
16. Zitting Cisticola - ≥ 4 spaced over + at edge of " do " "
17. Bristled Grassbird - ≥ 4 spaced, calling + w/ aerial displays, " do " (E. 3m) (F. 2m)
18. Black Francolin - 1 (H) amongst tall + short Khār, " do " " (G. et al. 2000: "uncommon winter visitor + passage migrant" SW corner of site, SW of Sedhawa, c. ; upper parts seen well + distant glimpse of underpart streaking, + rufousy 1<sup>o</sup>s near tips; flushed 3X; low, slow flts; avoids tall grass; (at times splitting to form 2, then 3 V-shaped flocks)
19. Shorteared Owl - 1 G. et al. 2000: "uncommon winter visitor + passage migrant" SW corner of site, SW of Sedhawa, c. ; upper parts seen well + distant glimpse of underpart streaking, + rufousy 1<sup>o</sup>s near tips; flushed 3X; low, slow flts; avoids tall grass; (at times splitting to form 2, then 3 V-shaped flocks)
20. Ruddy Shelduck - flock of 31 over Bagmati, SW/W of Sedhawa, c.

⑦

## Additional records:

- ⑦ ;  $\geq 1$  nesting at lunchstop, c. (see below)
- #3) 2 c. Khair grassland, SW Sedhawa, c. ; 3 Sedhawa-Chaunkitola, c.
- #13) 3-4 Sedhawa-Chaunkitola, c. ; 2+1 NW of Mohanpur, c. ; lunchstop, c. <sup>1 mobbing #33 c.</sup>
- #23) 1 in <sup>Khair</sup> bamboo grove NW Mohanpur, c. ;
- #15) 1 flushed N/NW of Mohanpur, c. ;
- #2)  $\geq 1$  in bamboo clump, NW Mohanpur, c. ; 13 on electric lines, approaching Sirsiya <sup>(WAYPT 9)</sup>
- #33) 1 seen well, fairly hi up over Bagmati, c. ; <sup>(crossing back over past Mānsmāra Kh.)</sup>
- #26) 1 seen calling Mānsmāra-Bagmati c. ; 12 past Angarahiya, c. ; <sup>in short grass flats</sup>
- #16)  $\geq 1$  seen + H in stubble, " do " " ;
- #13 cont.) 2 c. Angarahiya, c. ; <sup>+8 +4</sup>
- #14) 1 at Angarahiya, c. ;
- #3 cont.) 2 past " do " ; 1 approaching Sirsiya, Rautahat, c. ;
- #2 cont.) 2+1 in fallow khets, c. Sirsiya, Rautahat, c. ;
- #22) 1 (H) in grove past " do " " " w/ no drop off at end.
- #1)  $\geq 1$  (H) calling at twilight from <sup>inside</sup> walled orchard past Sirsiya, Rautahat, c.

## Mammal sighting:

Blue Bull (nilgai): herd of six, all (?) w/ short straight horns;  $\geq 2$  w/ tufts of black pelage on mid-back; not v. wary; in + at edge of Khair grassland SW of Sedhawa, Siraha + c. 200m from Bagmati. At c. 07h40, then c. 8h00 + herd of 4 hornless (∴ ♀), keeping 80-100m away. (∴ ♂)

## Breeding records:

- ② Common Myna - one bird carrying wheat straw up into A-frame eave of Sedhawa school building; nest exposed partially at edge about 1/2 built.
- ③ Common Tailorbird - one bird carrying a piece of white cotton-like material; in undergrowth of bamboo & Khair grove NW of Mohanpur, Siraha, c.
- ④ Common Myna -  $\geq 1$  bird nest building in bamboo clump at lunchstop, c. ; c. 1/2 built w/ white plastic patches, sticks, twigs, stems, 2.5-3m above ground. <sup>quite far from human habitation.</sup>

⑧

15 April 2003 Sedhawa, Siraha (-) -  
Day 2 Camp W of Lal Bakaiya Nadi, Rautahat (-)

21. Osprey - 1 out over Bagmati, from distance of c. 500m, SW Sedhawa, c. <sup>large size</sup> circling around, then flying on.
22. Greater Coucal - 1 seen + H at edge of grassland, " do " c.
23. Great Tit - 1 in bushes in Mohanpur village, c.
24. Black Kite - 1 over Chaunkitola, c. <sup>(omitted)</sup>
25. House Sparrow -  $\geq 2$  at Mohanpur, c.
26. Large-billed Crow - 2+1 at Mohanpur, c.
27. Red-throated Flycatcher - 1 seen well, bamboo grove NW of Mohanpur, c.
28. Mystery Vulture - 1 high overhead c. Chaunkitola, c. <sup>(omitted)</sup>
29. Mystery Phylloscopus warbler - 1+1 (pr?) in bamboo-Khair grove NW of Mohanpur, c. <sup>not seen well; pale, distinct eyebrow;  $\geq 1$  wingbar.</sup>
30. Rufous Treepie - 1 in Khair patch c. 1 km N of Mohanpur, c.
31. Shikra - 1 (sex?) c. dahl fields, acacias in open country " do " c.
32. Red-wattled Lapwing - 1 in fallow khets SW of Sedhawa, c. <sup>(also see pg. 7) held as in Lesser Spotted Eagle</sup>
33. ~~Black~~ <sup>Dark</sup> Kite - 1 w/ rodent in talons, mobbed by a #13, N of lunchstop, c.
34. White-throated Kingfisher - 1 c. lunchstop, c.
35. Asian Koel - 1 (H) calling from grove SE of lunchstop, c. <sup>+ 1 (H) on approach to lunchstop, (H) from c. 200 away</sup>
- ? 36. Common Greenshank - 1 not seen v. well, flying down Mānsmāra Kh., c.
37. <sup>Steppe</sup> Lesser Spotted Eagle - 1 bird seen well at fairly close range, W of lunchstop, c. <sup>and probably same individual as #33; small size for an Aquila eagle; overall underparts: finely barred on underwing with a pale panel (triangular) towards the end of the 1st; short, tapered tail; upperparts: brown with a pale line down the back/lower back; conspicuous white crescent on rump; mid-wing white line; brown head;  $\geq 1$  Steppe Eagle on basis of head lacking white chin (would've been seen in flight); views best match G. et al '98/100 plates of a juvenile; pale line on back inexplicable.</sup>
38. <sup>(omitted)</sup> Cattle Egret - 4 around grazing bairhase at Mānsmāra Kh. crossing, c.
39. Common Hawk Cuckoo - 1 (H) approaching Bagmati, c. <sup>call emanating from groves back c. lunchstop</sup>
40. Kentish Plover - flock of 13 in mudflats, crossing Bagmati R., c. <sup>(2 or 3 not yet in bred. plumage)</sup>
41. Little Ringed Plover - 3 in mudflats crossing Bagmati R., c.
42. Mystery Sandpiper - flushed flock of 3, seen from afar, crossing Bagmati R., c.

15 April 2003 Sedhawa, Siraha ( ) -  
Day 2 Camp W of Lal Bakaiya Nadi, Rautahat ( )

Route: From Sedhawa school, backtracked to patch of Khār grassland for early AM birdwalk. Returned to school for breakfast. Group less JC walked direct to Mohanpur. JC took circuitous route to Chaunkitoli from Sedhawa school, then along main track, almost as far as Nepal-India border post no. From there where track forked, N across fallow khets and cut remnant grassland to Mohanpur. Continued on to lunch stop where others met (edge of Mānsmāra Khola). After lunch & rest walked along banks to shallow crossing point, across short grassland & old/abandoned alluvial khet land (incorrectly depicted as cultivation on topo map) to cross Bagmati R. (WYPT 11). This crossing pt. just below re-vestment on map. On to Angarahiya gau: (on map but un-named), then ± due W to Sirsiya gau; detouring S to avoid swampy area covered with Eichhornia crassipes. (E edge of Hadiminiya gau). Followed E-W track (raised) towards Sirsiya, but diverting before that village across fallow khets ± due W to Purenawa gau. Followed gravelled straight road to jet of paved link road to Gaur (opposite dahl mill). Side of mill trail to Gadhawa gau. From track through center of village to embankment, down to Lal Bakaiya Nadi, and ± directly crossing it. On across W bank to campsite at base of bamboo clumps amongst dry fields.

- 43. Yellow Wagtail - 3 ♂♂ in breed. plumage, crossing Bagmati, c.
- 44. White Wagtail - 1 (M. a. leucopsis) " do " "
- 45. Black-bellied Tern - 1 w/ #4bs, over Bagmati, c.
- 46. Mystery Tern - black <sup>small-med size</sup> cap, whitish below bill color? " do "
- 47. Little Egret - 1+1 (pr?), 1 w/ <sup>breed plumage</sup> nape plume, " do "
- 48. Lesser Adjutant - 1 in marshy area, Hadiminiya, Rautahat, c.
- 49. Paddyfield Pipit - 1+1 c. Sirsiya at dusk, c.

Σ =

Habitat: <sup>(and farther along Bagmati E bank w/ regrowth of c. 0.5m high than topo map shows)</sup> " Khār " <sup>in oldest cut areas</sup> Patchwork of grassland SW of Sedhawa, mostly cut, but some still intact w/ blooming stalks 2.0-2.5m high. Only fallow, dry khets w/ some stubble E of Sedhawa (vs. 'grassland on topo map sheet'). Small marshy depression bordering grassland SW of Sedhawa. Groves + cultivation c. Mohanpur. Open, closely grazed grassland along Mānsmāra Nadi, w/ clumps of bāns bamboo, sisoo & acacia; also a bit of teak (planted). N of lunch stop land mostly short, cut grassland, NOT cultivation as shown on map. Across mostly fallow cultivation in late afternoon, stubble & some ripened wheat still uncut.

16 April 2003 Camp W of Lal Bakaiya Nadi, Rautahat ( )  
Day 3 — Kopuwa gau: school, Rautahat ( )

GPS Coordinates: Elev(m)

- CP1 (CPW of Lal Bakaiya Nadi, Rautahat): 26° 46.623' N 85° 15.683' E (46)
- WAYPT 18 (breakfast stop, Lal Bakaiya): 26° 46.997' N 85° 15.176' E (56)
- WAYPT 19 (jet W bank, Lal Bakaiya & track to W): 26° 47.211' N 85° 15.017' E (49)
- WAYPT 20 (N-S track, W bank Bakuwa<sup>Kh.</sup>): 26° 47.489' N 85° 13.698' E (51)
- WAYPT 21: 26° 47.520' N 85° 13.661' E (54)
- LUNCH 3 (lunch stop, large mango grove, <sup>E. Binauliyaga mixed woodland</sup>): 26° 48.298' N 85° 13.749' E (67)
- WAYPT 22 (jet track to Kudiya gau): 26° 49.122' N 85° 13.537' E (62)
- WAYPT 23 (S of track, middle of khets): 26° 50.002' N 85° 13.381' E (56)
- WAYPT 24 (jet track to Bediyai gau): 26° 50.838' N 85° 13.098' E (58)
- KOPUWA (= Sekaura? night at school): 26° 52.054' N 85° 12.787' E (57)

Weather: Clear + calm e dawn; breezy by 9 AM; gusty by 10:00-10:30 AM w/ dust + haze increasing. 92°F at 12h30-13h30; still quite breezy at mid-day; continued clear + hazy remainder of afternoon with steady breeze, calming at dusk, but high wind storm at twilight - c. 20h00 without rain.

Habitat (CP site): mostly fallow fields with stubble; several tractors plowing in the vicinity in early AM; scattered clumps of bamboo + shrubs, and plantings of sisoo farther away - all thin + more like open woodland than forest. Lal Bakaiya with sand + mud flats; only 0.5-1.5m deep w/ sluggish, fairly clear flow. Very little grassy littoral; some steep sandy banks, esp. on outer meanders; W of Lal Bakaiya: herbaceous thickets, groves of mango, sisoo, acacia + other broadleaves in various assoc.; Bakuwa Kh. more densely vegetated: grass clumps, sisoo, acacia & *Bombax malabaricum*. Good mixed grove at lunch w/ heavily grazed understorey. Open terai with shade trees, dry fields, some w/ ripened wheat → Kopuwa.

- Effort:
- (1h35) 05h45 — 06h20 c AM CP site
  - (1h35) 07h05 — 08h40 AM march to breakfast stop for
  - (3h20) 09h10 — 12h30 breakfast stop-lunch
  - (1h30) 13h30 — 15h00 lunch stop-Kudiya bazar
  - (2h30) 16h00 — 18h30 Kudiya - Kopuwa

- 1. House Crow - 7 in bamboo clumps at AM CP, c. ← +5-8 more later in morning.
- 2. Paddyfield Pipit - 1 on dry canal bank near " do "
- 3. Common Hawk Cuckoo - 1 (H) from woodland W of CP, c.
- 4. Little Ringed Plover - 1+2+2 (3 of which in breed. plumage) along Lal Bakaiya N of CP, c.
- 5. Temminck's Stint - ≥ 4 along mudflats + littoral, Lal Bakaiya, c.
- 6. Sand lark - a pair along sandy littoral, Lal Bakaiya, c. <sup>courtship feeding? See pg. 13</sup>
- 7. Black Drongo - 1 flying across Lal Bakaiya,
- 8. Large-billed Crow - 1 c. Lal Bakaiya,
- 9. Barn Swallow - 1 patrolling over & c. Lal Bakaiya,
- 10. Common Greenshank - 1 along Lal Bakaiya
- 11. <sup>Limited</sup> Asian Koel - 1 (H) in groves N of AM CP site, c.
- 12. Pied Kingfisher - 1 c. breakfast stop, Lal Bakaiya, patrolling & hovering <sup>+ 1 past 2p. ∴ pair (sexes??) hunting!</sup>
- 13. Red-wattled Lapwing - 1 <sup>+1</sup> past " do " " " c.
- 14. Green Sandpiper - scattered pair, past breakfast stop, along Lal Bakaiya
- 15. White-throated Kingfisher - 1 past breakfast " do " " "
- 16. Mystery Warbler/Bush Warbler - 1 in dahl patch, W of Lal Bakaiya, c.
- ? 17. Great Tit? - 1 (H) from dahl + bushes + scrub, " do " " " <sup>later seen later in day (see pg. 13)</sup>
- 18. Common Myna - pair in scrub W of Lal Bakaiya turn-off, c.
- 19. Rufous Treepie - 1 in Pt. " " " " "
- 20. Eurasian Collared Dove - 1 " " " " "
- 21. <sup>Limited</sup> Zitting Cisticola - 1 seen + heard, past river crossing, past breakfast stop <sup>(+ over Lal Bakaiya)</sup>
- 22. Lesser Adjutant - 1 flying over khets, W of breakfast stop, c.
- 23. Mystery Buzzard - <sup>medium size w/ upper carpal patches fairly distinct</sup> carrying piece of straw; W of Lal Bakaiya; c.
- 24. Red-vented Bulbul - 1 in <sup>Sisoo/</sup> palms along Bakuwa Kh. track, c.
- 25. Black Redstart - ♀ up high in leafless sisoo, " do "



Additional records: 1<sup>+</sup> W of Lal Bakaiya, c. in fallow field.

- #2) 1 c. littoral, Lal Bakaiya Nadi past breakfast stop, c. ;
- #7) 2/pair W of Lal Bakaiya, past turnoff from river, c. ; <sup>adult + young juv. in</sup> open ctry W Lal Bakaiya,
- #8) 1 in short sugarcane W of breakfast stop, c. ; <sup>≥1 nesting c. lunchstop, see below.</sup>
- #7 cont.) 1 along Bakuwa Kh. track, c. ; 1 edge lunchstop grove, c. <sup>1 in bamboo grove</sup> ; past lunchstop, c. ;
- #19) 1 along Bakuwa Kh. track, c. ; <sup>in bamboo grove</sup> pr. past lunchstop, c. ;
- #18) pair " do " " " c. ; <sup>≥1</sup> lunchstop grove, c. ;
- #13) 1 along Bakuwa Kh. c. bridge, c. ;
- #29) ≥2 ♂♂ in <sup>1 ♀</sup> lunchstop grove, c. ;
- #19) 1 (H) in mango grove c. lunchstop, c. ; pr. N of WYPT 24, c. ;
- #20) pr. < 1 Km N of Kudiya gau, c. ;
- #9) 4 c. <sup>(on map)</sup> wooden bridge over Bakuwa, c. ;
- #8 cont.) pr. N of WYPT 23, c. ; 1+1 past WYPT 24, c. ;
- #17) pair on electric wire (!), Kudiya bazar, c. ;
- #3) 1 (H) N of WYPT 24, c. ;
- #7 cont.) 1 past WYPT 24, c. ; 1 N of WYPT 24, c. ;
- #11) 1 (H) <sup>from</sup> grove c. Kudiya gau, c. ; 1 (H) N of WYPT 24, c. ;
- #33) 1 (H) from Kopuwa village on approach, c. ;

Route: From CP site ± N to Lal Bakaiya, then ± NW along the river course to breakfast stop along banks; along Lal Bakaiya to WYPT 19, then W along track through open woodland, old fields & thickets to lunchstop at two groves near Binauliya gau; on to bazaar at Muslim village of Kudiya; across bridge & through open country to Kopuwa gau.

Breeding records:

- ⑤ Sand Lark - a fairly active pair <sup>running around, pausing to peck</sup> along sandy flats + mudflats, Lal Bakaiya Nadi, of AM CP site, c. ; one bird repeatedly feeding the other, which in full/adult plumage + able to peck around. Courtship feeding behavior?
- ⑥ Large-billed Crow - 1 bird on nest of untidy sticks up high in a leafless tree, c. 13-14m above grove; in grove adjacent to lunchstop; bird seen chasing one of the ♂ Black-hooded Orioles seen at this site. c.

16 April 2003 Camp W of Lal Bakaiya Nadi, Rautahat ( ) Day 3 - Kopuwa gau: school, Rautahat ( )

- 26. Common Tailorbird - 1 (H) opposite bank veg., along Bakuwa Kh. monotonous "chuwEEP... chuwEEP" call, in thickets
- 27. Mystery Phylloscopus - 2 scrub along Bakuwa Khola, c.
- 28. Indian Pond Heron - 1+1 in breed plumage, along Bakuwa Kh., c.
- 29. Black-hooded Oriole - 1 (H) <sup>later seen (Saps. 13)</sup> wooden bridge, c. <sup>(lunchstop area)</sup>
- 30. Oriental Magpie Robin - ♂/♀ pr. in mango et al. grove, c. Bakuwa Kh., c.
- 31. Small Minivet - ♂/♀ pr. <sup>slowly</sup> chasing ♀ thru <sup>lunchstop</sup> grove canopies, " do "
- 32. Black-rumped Flameback - ♀ in trees, lunchstop grove, c. Bakuwa Kh., c.
- 33. Chestnut-bellied Nuthatch - trilling ♂ seen at " do " " "
- 34. Greenish Warbler - <sup>pr. in lunchstop trees; long pale yellow eyebrow; pale/pinkish bill; 1/2 pale yellow wingbars; white W. coverts; c.</sup>
- ③5 Asian Palm Swift - 1 flying c. lunchstop grove, E of Binauliya gau; <sup>(date palms passed en route to lunchstop, along Bakuwa)</sup>
- 36. Common Iora - ♂ in trees at lunchstop grove " do " " "
- 37. Red-throated Flycatcher - ≥1 in " do " " " "
- 38. Spotted Owlet - 1 (H) in mango grove c. lunchstop, " do "
- 39. Mystery Parakeet - pr. calling from tree-tops " do " " "
- ④0 Brown-capped Pygmy Woodpecker - <sup>♂(?) seen fairly well (glimpsed red c. crown?)</sup> in live acacia tree c. lunchstop grove. <sup>(G. et al. '00: "... rare from central areas eastward")</sup>
- ④1 Hodgson's Redstart - <sup>2x: bobbed then shivered tail; trace of eyering</sup> Rufous restricted to, & as wash only, to vent; tail rufous, with buffish edges (?) & tipped rufous; otherwise, finely scaled cold grey above + below <sup>(possibly same individual seen previous day)</sup> <sup>(see G. et al. '00: "150-5030m on passage": new minimum elev. for NP; keeping 2-3m up lnd.)</sup>
- 42. Chestnut-tailed Starling - 1 in mango grove adjacent lunchstop, c.
- 43. Black Kite - 1 over Kudiya gau: bazar c. <sup>strong & direct flt not really undulating</sup>
- ?44. Richard's Pipit - 1 perched 10-12m up in leafless tree, open country c. 1 Km N Kudiya, <sup>large size, pale(?) lores, no flank streaking, faint on breast; 2 " chip" calls in flt.</sup>
- 45. Mystery Raptor - <sup>large pale eagle (or buzzard?) on ground with a freshly killed snake</sup> (photo); N of WYPT 23, W of Bediyai gau, c. <sup>then flew off.</sup>
- ④6 Lesser Spotted Eagle - <sup>uniform (?) brown; whitish wing spots + pale carpal patches on upperpart</sup> large size; perched in sissou c. Kopuwa gau; <sup>(possibly same individual seen previous day)</sup>
- 47. Common Kestrel - ♂ perched & in flt. at dusk → twilight, outskirts Kopuwa, c.
- \*48. Common Snipe - <sup>(c. 15-20-25m) 1 bird describing wide circle c. Kopuwa, c. above</sup> twilight; silhouetted, monotonous "quack" call (1?) <sup>est</sup> flt: high, wide circle, calling on wing. <sup>(see G. et al. '98 for call + flt. behavior). W. sharp + loud</sup>

GPS Coordinates:

Elev.(m)

KOPUWA (Kopuwa gau: school, Rautahat)	: 26° 52.054' N	85° 12.787' E	(57)
WAYPT 25 (1st grove + dirxn Δ on AM birdwalk)	: 26° 52.193' N	85° 12.913' E	(49)
WAYPT 26 (jct of tracks leading to Kopuwa)	: 26° 52.305' N	85° 12.790' E	(46)
WAYPT 27 (farthest pt. AM birdwalk at Bakuwa)	: 26° 52.364' N	85° 12.411' E	(50)
WAYPT 28 (intersection of raised road)	: 26° 52.521' N	85° 12.223' E	(72)
WAYPT 29 (intersection with small Khda, Bakuwa)	: 26° 52.904' N	85° 12.014' E	(61)
WAYPT 30 (bamboo clump in open terai)	: 26° 53.906' N	85° 11.404' E	(59)
WAYPT 31 (direction change in open terai)	: 26° 54.244' N	85° 11.139' E	(69)
WAYPT 32 (SW corner of Mahakar Pokhari)	: 26° 54.522' N	85° 11.293' E	(70)
MAHAKR (lunchstop at Mahakar Pokhari)	: 26° 54.536' N	85° 11.413' E	(70)
WAYPT 33 (= lunchstop; SW corner of pokhari)	: 26° 54.536' N	85° 11.413' E	(69)
WAYPT 34 (jct. track leading W to Sornarniya)	: 26° 55.624' N	85° 11.344' E	(73)
WAYPT 35 (somewhere c. Sornarniya gau)	: 26° 55.906' N	85° 10.850' E	(70)
MEWA (Mewa gau: school, Rautahat)	: 26° 57.564' N	85° 10.341' E	(71)

17 April 2003 Kopuwa gau: school, Rautahat ( ) - Day 4 Mewa gau: school, Rautahat ( ).

Weather: Clear & calm at dawn; 74°F at 06h00; thin overcaste building up at 6h00; then mostly overcaste, but burning off by 08h15; light breeze & rather hazy into mid-day; very hot, 95°F at 15h15; continued hot, clear & hazy with a waning breeze into late afternoon; clear, calm, hazy.

Habitat: Mostly open fallow terai; some clumps of bamboo, bhar/pipal-stems-less; periphery of Mahakar Pokhari largely closely grazed grass; thicket at one end, otherwise surr. by open terai. Best vegetated habitat in AM at Bakuwa Kh. good 'riverine' mixed broadleaf with thickets lianas; adjoining sal & sisoo w/ temple.

Route:

Effort:	05h50 - 07h05 AM birdwalk	1.25
	08h15 - 13h30 AM march-lunchstop	5.25
	14h45 - 19h00 afternoon march	4.25

Σ = 10.75hr

1. House Crow - 3 c. school at Kopuwa, c.
2. Black Drongo - 1<sup>+1</sup> school → WAYPT 25, c.
3. Asian Koel - 1 (H) in grove c. " do " also later a seen pair!
4. Red-vented Bulbul - 1 in top of sisoo, at grove c. Kopuwa school. AM birdwalk c.
5. Spotted Dove - (finally!) 1 seen + H calling, in thin sisoo, " do "
6. Common Myna - 1 on AM birdwalk → WAYPT 25, c.
7. Rufous Treepie - 1+3 in sisoo patches, " do " " "
8. Asian Pied Starling - 1 at Khet edges past WAYPT 25, c.
9. Black-hooded Oriole - 1 H then glimpsed, " do " " well-wood area.
10. Jungle Myna - 3 in sisoo top, well-wooded area, edge Bakuwa Khola on AM birdwalk
11. Grey-breasted Prinia - 3 in grass, " do " " c.
12. Chestnut-tailed Starling - 3 in wooded area bordering Bakuwa Kh., c.
13. Common Tailorbird - 1 (H) " do " later seen c. temple " "
14. Mystery Phylloscopus - 1 c. temple, well-wooded area bordering Bakuwa Kh. melodic call; Greenish?? c.
15. Black-rumped Flameback - 1 (H) " do " " " "
16. Mystery Sandpiper - 1 flushed along Bakuwa Kh. on AM birdwalk, c. call not descending at end.
17. Greater Coucal - 1 (H) in scrub woodland " do " "
18. Eurasian Collared Dove - 1 in treetop, c. school, Kopuwa, end of AM walk. bird!
19. Oriental White-eye - pr. in woodland bordering Bakuwa Kh., c.
20. Yellow-browed Warbler - 1 bird observed for ± 10 min at close range, woodland edge to Bakuwa Kh., c. WAYPT 27; v. little green in plumage; calls (song?) varied & melodious; no crown stripe; bill dark with lower mandible paler/orange-yellowish; in appearance & calls/song, more like Humel's, but G. et '98 has Humel's with all dark bill; legs of this bird dark, not fleshy-tinged; keeping to bushes & an acacia tree. 3-4m above ground, not v. wary; fairly active; c.
21. Oriental Honey-buzzard - 1 seen well, edge woodland along Bakuwa, mobbed by a pt. of # 1s; c.
22. Large-billed Crow - 1 on ground in freshly plowed Khet,
23. Mystery Bush Warbler - 1 (H) in thickets, c. WAYPT 28, c.

1 WAYPT 28 → Nangkarpataya, c. ; 3 past Sornarniya  
Additional records: 1 in plowed khet, past WYPT 27. (see below) gau; c. ;  
breeding pair in well-wooded area, Ari birdwalk, c.

- #6) 3 in well-wooded area by stream, Ari birdwalk, c. ; area, Ari birdwalk, c.
- #5) 3 " do " " " " " " " " ; 1 past WAYPT 28, c.
- #1) 7 on ground, mango grove, c. Kopuwa, c. ; 2 approaching Mewa, c.
- #9) ♀ w/ ♂ AM birdwalk? (latter seen on) in woodland, grove along Bakuwa Kh., c. ; 1 (H) past WYPT 28, c. ;  
(call ascends, levels, descends, but doesn't slow down)
- #17) 1 (H) well from grove N/past WYPT 28, c. ; ♀/♂ pair seen well past Sornarniya, c. (♂ H calling)
- #2) 1+1 (pr?) c. Nangkar Pataya, c. ; 1 at N end Mahakar Pokhari, c. ;
- #3) 1 (H) in grove approaching, " ; a ♂ seen well in thickets at SW corner/bound, Mahakar Pokhari, c.
- #4) 3 along Bakuwa Kh., past WYPT 30, c. ;  
(only 1 of which [sex?] seen well; both calling)
- #15) pair " do " " " " " " ; ♂? in flt & on leafless spindly tree, edge Sornarniya gau; c. ;
- #11) ≥ 1 in Bakuwa Kh. side grassy bushes, c. ;
- #7) pair along " do " , past WYPT 30, c. ;
- #27) 1 on branch over Bakuwa Kh., past " do " " ;
- #22) 1+1 (pr?) at N end, Mahakar Pokhari, c. ; +2-3 Sornarniya-Mewa, c. ; 3+2 approach. Sornarniya, c. ;
- #9 cont.) 1 (H) c. 1 km N lunchstop, c. ;
- #13) 1 (H) c. 1 km N of lunchstop, c. ;
- #30) ♂ over Sornarniya gau; same bird seen early c. Bakuwa Khola area? c. ;
- #31) ≥ 7 past Sornarniya gau; c. ;
- #17 cont.) 1 seen in open grove, past Sornarniya gau; c. ;  
(♂ed mainly by size; unheard silent)
- #35) 1 seen c. 1/2 way Sornarniya-Mewa, c. ; 1 (H) at Mewa, school, c. ;  
vicinity of (in a bamboo [bans] grove)
- #6 cont.) 1+2+2 approaching Mewa, c. ; + huge congregation roosting Mewa

Breeding record:

- ⑦ Common Myna - a pair, one of which was carrying a long strand of grass or straw up into the top of a palmyra palm. Well-wooded area along Bakuwa Kh. c. Kopuwa gau; c. ; canopy too dense to see nest site.

17 April 2003 Kopuwa gau: school, Rautahat ( ) -  
Day 4 Mewa gau: school; Rautahat ( ).

- 24. Black-shouldered Kite - 1 seen well, perched by road, c. WYPT 28, c.
- 25. Common Hawk Cuckoo - 1 seen well, leafless tree top " do " " "
- 26. Paddyfield Pipit - 1 seen + H on ground & in display flt, c. brick factory, c. approach. Nangkar Pataya
- 27. White-throated Kingfisher - 1 in sisoo/dry country past Nangkar Pataya, c.
- 28. Osprey - 1 flying over WAYPT 30 with fish in claws, c.
- 29. Sirkeer Cuckoo - 1 in Bakuwa Khda-side vegetation, past WYPT 30, c.
- 30. Shikra - 1 (H) in vicinity of " do " " " " " ♂ seen later, same area!
- 31. Jungle Babber - flock of ≥ 5 " do " " " " "
- 32. Yellow-crowned Woodpecker - 1 (sex?) seen + H " do " " " " call heard well; in bans too.
- 33. Blythis Reed Warbler - 1 in Bakuwa Kh. littoral grass + herb. veg. c. above ground  
chased away by #34; up in bushes to ± 3m
- 34. Paddyfield Warbler - 1 passing through same area of short grass tufts + herb veg as #33 along Bakuwa. Distinct supercilium, lacking noticeably dark eyeline; (tail coverts whitish; yellowish brown legs; no rufescence in plumage)  
\*? gave "tick...tick...tick" sharp call/contact note. Bill not heavy. Could not notice if tertials uniform with upperparts as in Blythis Reed. When meeting that bird, chased it away. Kept low, w/in 1 ft of ground + in grasses on steep, shady bank; no tail flopping or sidling past WYPT 30
- 35. Spotted Owllet - 1 (H) in mid-afternoon from grove c. Bakuwa, c.
- 36. White Wagtail - (l.a. dukhunensis) 3 ♂♂ at Mahakar Pokhari lunchstop, c.
- 37. Red-wattled Lapwing - 1 at littoral of " do " " "
- 38. Lesser Adjutant - 1 in fields between Bakuwa Kh. & Mahakar Pokhari, c.
- 39. Great Tit - pair in bans grove c. 1.5 km N of lunchstop, c.
- 40. House Sparrow - ≥ 1 ♂ + 1 ♀, w/ others, either imm or ♀s, Sornarniya gau; calling on the wing
- 41. Mystery Parakeet - 1 flying overhead, c. 1/2 way Sornarniya-Mewa, c.
- 42. Barn Swallow - flock to E, approaching lunchstop, c. (24)
- 43. Mystery Owl - 1 (H) dusk-twilight in mango et al grove, approach Mewa, c. gave a single rather loud "hoot"
- 44. Black/Hodgson's Redstart - ♀ w/ plumage similar to prev. day's ♀ Hodgson site??

18 April 2003 Mewa gau: school, Rautahat ( )  
Day 5 - school W of Belwa, Bara ( )

GPS Coordinates:

				Elev.m
MEWA	(Mewa gau: school, Rautahat)	26° 57.564' N	85° 10.341' E	(71)
WAYPT 36	(Aruiwas Kh. grassy area; direction change)	26° 58.684' N	85° 10.256' E	(71)
WAYPT 37	(breakfast stop, edge Malahi, Bara)	26° 59.520' N	85° 10.130' E	(77)
WAYPT 38	(at track direction change, "do")	26° 59.705' N	85° 09.865' E	(75)
WAYPT 39	(open terai, Bara jilla)	27° 00.367' N	85° 09.834' E	(84)
LUNS 4	(at pipal tree, open terai, Bara jilla)	27° 00.935' N	85° 09.869' E	(89)
WAYPT 40	(bars sanga over stream/canal site)	27° 01.184' N	85° 09.686' E	(95)
WAYPT 41	(bhar tree grove)	27° 01.833' N	85° 09.161' E	(96)
WAYPT 42	(pipal tree W of Amaw, Bara)	27° 02.151' N	85° 09.116' E	(80)
WBELWA	(school camp W of Belwa, Bara)	27° 03.052' N	85° 08.459' E	(75)

Habitat: Cultivation c Mewa gau; fairly marshy littoral  
braids to Aruiwas Kh.; through open, hot terai most  
of the day with v. few breaks; scattered groves, but  
mostly dry khets of wheat stubble, <sup>bamboo patches</sup> mostly  
5:500 approaching Belwa.

Weather: Clear + dusty early AM, and quite breezy; rapidly  
warming up; clear, hot & breezy at noon; 98°F at 14h45 at lunchstop;  
very little wind or breeze in afternoon; continued clear, hazy + hot  
into late afternoon/evening.

Effort:

06h30 - 09h30 (AM march to breakfast stop)	3.0
10h30 - 12h30 (AM march to lunchstop)	2.0
15h00 - 19h00 (lunchstop)	4.0
<b>Σ =</b>	<b>9.0 hr</b>

- Asian Koel - ♂ seen & H in tree at school, Mewa gau; c.
- Asian Pied Starling - 1+2 at edge of " do " "
- Common Myna - pair in vicinity of " do " "
- Indian Pond Heron - 1, not in breed. plumage, Mewa gau; fields, c.
- larger-billed Crow - ≥1 edge of Mewa gau; early AM <sup>march</sup> ~~break~~ c.
- Rufous Tree Pie - 1 past Mewa gau: " do " "
- Graceful Prinia - 1 <sup>(long call)</sup> in riverine grass past Mewa, on Bara jilla side <sup>Aruiwas</sup> ~~could not discern upperpart streaking~~
- little Egret - 1 <sup>+3</sup> along Bara jilla littoral of river past Mewa, c.
- Green Bee-eater - 1 circling over khets, " do " " "
- Paddyfield Pipit - 1 <sup>+1</sup> <sup>+2</sup> <sup>+1</sup> on bank bund, Aruiwas Kh., Bara jilla, c.
- Greater Coucal - 1 (H) c. 300m off Rautahat littoral of Aruiwas Kh. <sup>inside</sup> <sup>past Mewa gau:</sup>
- Zitting Cisticola - 1 over open + ripened wheat khets, along " do "
- Red-wattled Lapwing - 1 along Aruiwas Kh. littoral Bara jilla
- \* ④ Pacific Golden Plover - flock of 26 in fallow khets NW Mewa gau; <sup>c. 2 km</sup> along Aruiwas Kh., Rautahat side; most birds in transition to breeding plum; 3 in non-breed. Getal '00s; common interai at Kosi; rare elsewhere
- House Crow - 2 (pr?) c. 2 km NW Mewa, Rautahat side, along Aruiwas Kh, c.
- Rufous-winged Bushlark - 1 in display flt c. 2 km N Mewa " do "
- Black-hooded Oriole - 1 (H) <sup>seen beyond, in dahl hedgerow.</sup> 2-3 km NW Mewa, Bara jilla, from grove, c.
- Shikra - 1 (H) giving distinctive "ti-tu" call " do " " "
- Blyth's Reed Warbler - 1 in dahl + scrub, Rautahat side, Aruiwas Khola
- Mystery Bush Warbler - 1 (H) <sup>trace of eyebrow back of eye; no tail wagging; seen wet</sup> same site as #19; giving buzzy alarm call.
- Black Drongo - 1 c. 3 km NW of Mewa, Rautahat side of Aruiwas Kh., c.
- Plain Prinia - 2 or 3 in grassy patch, c. WAYPT 36, Aruiwas Kh, c.
- Asian Openbill - 1 in treetop, Aruiwas Kh. - Malahi, Bara, c.
- Pied Bushchat - ♂ singing from hi perch, approach Malahi, Bara, c.

(21)

- 1 in treetop past WAYPT 42, c. ;  
 Additional records: 1 at Malahi, c. ; +1 approach Malahi, c.  
 #5)  $\geq 7$  in open khet, Aruwas Kh., c. ; 2 c. 2km NW Mewa, along Aruwas Kh. <sup>Rautahat side</sup>  
 #4) 1 " <sup>past Mewa gau:</sup> evidently not in breed. plumage " ; 1 past WAYPT 41, c. ;  
 #9) 1 on Rautahat side, Aruwas Kh., c. 2km NW Mewa, c. ;  
 #3) 2+2 c. 3km NW Mewa, " do ", Rautahat side, c. ; 1 c. WYPT 36-Malahi, c. <sup>+2+2</sup>  
 #21) 1 c. WYPT 36 Malahi, c. ; 2+1 approach Malahi, c. ; 1 past Malahi, c. <sup>+1</sup>  
 #12) 1 in dahl + grass, c. WYPT 36, c. ; 1 over wheat fields " , c. ;  
 #16) 1 w/ 4 min display, ft, approach. Malahi, Bara, c. ; 1 <sup>+2</sup> past Malahi, Bara, c.  
 #3 cont) 2 at Malahi, c. ;  
 #2b) 1 just past " c. ;  
 #22) ? 2 in sugarcane past Malahi, Bara, c. ; in grass c. lunchstop, c. ; <sup>good looks a l+1 (pair?)</sup>  
 #16 cont) 1 in <sup>on wheat fields</sup> display, ft, " do " " ; 2 more farther on past Malahi, c.  
 #10)  $\geq 5$  in <sup>in open fields</sup> under electric lines, " do " " ;  
 #12) 1 (H) <sup>(unseen)</sup> mostly freshly cut wheat khet, c. ; 1 c. lunchstop, c. ; 1 c. WYPT 40  
 #24)  $\frac{9}{0}$  pair in grassy ditches, c. lunchstop, c. ;  $\frac{0}{7}$  c. WYPT 40, c. ;  
 #3 cont) 3 or 4 c. lunchstop, c. ; 3-4 in bhar tree grove past lunchstop; 2 past WYPT 41  
 #18) 1 <sup>(c?) possibly same bird (H) earlier (p. 20)</sup> just past lunchstop, c.  
 #1) 1 <sup>+H flying out of H</sup> seen in bhar tree past lunchstop, c. ; 1 (H) past/W of WAYPT 41, c. <sup>WYPT 40</sup>  
 #36) 1 <sup>+1-3</sup> singing & seen, past WYPT 41, c. ;  
 #2) pr. at pipal tree/WAYPT 41, c. ; 2 more farther along, c. ;  
 #28) 1 overhead, past " do " c. ;  
 #6) 1 approaching Belwa school c. ; pr. flying across mango & sisoo, <sup>Belwa school</sup> approaching "   
 #8) 1 in pond area, c. " do " ;  
 #35) 1 (H) screeching at dusk/twilight from mango tree near school at of Belwa.

(22)

18 April 2003 Mewa gau: school, Rautahat ( )  
Day 5 — school W of Belwa, Bara ( )

25. Spotted Dove - pair in treetop, approaching Malahi, Bara, c.  
 26. Red-vented Bulbul - 1 approaching Malahi, c.  
 27. Brown Shrike - 1 <sup>1st winter (w/ faint scating on belly; no white wing spot).</sup> at edge of sugarcane khet, approach. Malahi, Bara, c.  
 28. Black Kite - 1 overhead c. breakfast stop, c. Malahi, c.  
 29. Common Tailorbird - 1 (H) " do " " " "  
 30. Common Hawk Cuckoo - 1 (H) in grove just past Malahi, Bara, c.  
 31. Red-throated Flycatcher - 1 in grove just past Malahi, Bara, c.  
 ?32. Greenish? Warbler - in scrawny sisoo " do " " "  
 33. Grey Wagtail - 1 <sup>in breed. plumage</sup> past WYPT 38, khet past Malahi, Bara, c.  
 34. Mystery Buteo sp. - <sup>genual features, including underpart causal patch?</sup> seen from a distance, approaching lunchstop, c.  
 35. Spotted Owlet - 1 <sup>seen</sup> in pipal tree at lunchstop grove, c.  
 36. <sup>omitted</sup> Oriental Skylight - 1 <sup>seen fairly well on ground, too.</sup> w/ long display ft; much singing w/ mimicry; c. approaching lunchstop  
 37. Black-shouldered Kite - 1 approaching school W of Belwa, c.  
 38. Lesser Adjutant - 1 c. canal w/ open water, past WYPT 42, c.  
 39. <sup>Rose-ringed??</sup> Mystery Parakeet - <sup>(4-11)</sup> several small flocks high up at dusk, <sup>school W of Belwa</sup> approaching "   
 40. Grey-breasted Prinia - 1 (H) singing from grass clump, " do "   
 41. Cattle Egret - flocks of 3 & 4 flying <sup>to SW</sup> over school W of Belwa at dusk; c.

(23)

GPS Coordinates:

Elev. (m)

WBELWA (school CPW of Belwa, Bara)	: 27° 03.052' N 85° 08.459' E	(75)
WAYPT 43 (breakfast stop & Pipara gau)	: 27° 03.771' N 85° 07.326' E	(96)
WAYPT 44 (terraced meander past ↑)	: 27° 04.316' N 85° 06.713' E	(85)
WAYPT 45 (Bodabān gau: edge Bara)	: 27° 05.068' N 85° 06.316' E	(92)
WAYPT 46 (lunchstop N of Bodabān, Bara)	: 27° 05.937' N 85° 06.376' E	(93)
WAYPT 47	: 27° 06.312' N 85° 06.370' E	(103)
WAYPT 48 (along track in sat forest, NW lunch)	: 27° 06.564' N 85° 06.469' E	(108)
WAYPT 49 (at stream meanders in f. dense forest)	: 27° 06.644' N 85° 06.554' E	(100)
WAYPT 50 (forest track?)	: 27° 06.586' N 85° 06.126' E	(99)
WAYPT 51 (forest track where lost)	: 27° 06.740' N 85° 06.216' E	(107)
WAYPT 52 (stone-paved, raised N-S straight rd)	: 27° 06.966' N 85° 05.738' E	(117)
WAYPT 53 (jet raised road & path to Kat gau)	: 27° 07.195' N 85° 05.715' E	(109)
WAYPT 54 (center of Katghat gau)	: 27° 07.251' N 85° 05.632' E	(107)
WAYPT 55 (split of 2 tracks past Katghat)	: 27° 07.351' N 85° 05.389' E	(97)
KAT (Kat Mandir, Bara)	: 27° 07.961' N 85° 05.032' E	(108)

(bit overcast at first light)

Weather: Clear & hazy at dawn; breeze picking up by 6h45, when 76°F; continued clear & hazy through the remainder of the day; rather breezing through AM + to early afternoon; 94°F at lunchstop at c. 14h00;

Route:

Effort:	06h30 - 06h50 (c. tent at school)	0.33
	06h50 - 09h00 (AM walk - breakfast stop)	
	09h40 - 13h40 (breakfast stop - lunch stop)	
	14h10 - 17h20 (lunch stop, then afternoon march)	
	18h10 - 18h45 (late afternoon, etc. march)	

(24)

19 April 2003 school W of Belwa, Bara (75m) - Day 6 Kat mandir, Bara ( )

- Indian Cuckoo - 1 (H) c. school W of Belwa before/at dawn; c. ← I seen later in day; see pg. 27.
- Spotted Owlet - 1 (H) " do " "
- Indian Pond Heron - 1 seen in distance from Belwa school, c.
- Asian Koel - 1 (H) in grove near Belwa school, on dep.; c.
- Oriental Skylark - 3 in open khets, 1 w/ musical display flt. " do "
- Cattle Egret - 2+1 NW of Belwa school, not in breed plumage; c.
- Greenish Warbler - 3 in bāns top; not seen well hi up; " do " complex drawn out calls/songs.
- Common Myna - 3 in grove, c. Dodopā, past Belwa, c.
- Asian Pied Starling - 1 in leafless treetop, past Dodopā, c.
- House Crow - 1 past Dodopā, c.
- Large-billed Crow - flock of 13 c. meandering stream, past Dodopā, c. [between fallow + corn khets]
- Brown Shrike - 1 in thicket top, outskirts of Dodopā, c.
- [omitted] Zitting Cisticola - 1 (H) approaching Dodopā, c.
- Intermediate/Great Egret - 1 w/ neck drawn in, flying past Dodopā, c.
- Lesser Adjutant - 1 flying overhead, past Dodopā gau; c.
- Black Drongo - 1 past Dodopā gau; c.
- Red-wattled Lapwing - 1 in freshly plowed field, past Dodopā, c.
- Black-shouldered Kite - a pair approaching Pipara gau; c.
- Black Redstart - 4 w/ 1 ♀ halting in sisoo top for views; c. breakfast stop. [other overhead in flt.] [more extensive & more vigorous wash below] c.
- Black Kite - 1 flying over Pipara gau; c.
- Paddyfield Pipit - 1+1+1 in open fields just past Pipara gau; c.
- Mystery Lark - view past Pipara, c.; giving monotonous buzzy call (song?) in flt. race affinis of Oriental Skylark, or Rufous-winged Bushlark. Distant
- Pied Bushchat - ♂ bush top, sandy meander past Pipara gau; c.
- Pied Kingfisher - ♀ along Khola, " do " "
- Grey-breasted Prinia - 1 seen + H farther past Pipara gau; c.

Additional records:

- #3) 1+1 in open fields NW of Belwa, c ; 1 past Dodopa gau:, c.
- #4) 1(H) outskirts of Dodopa village, c ;
- #9) 1 past " do " " " ; 18 in treetop at breakfast stop, c
- #10) 1 past " do " " " ; 1 pursuing #20, Pipara gau:, c
- #5) 1 on ground in open fields past Dodopa, c. ; this bird w/ green caterpillar in its beak; subsequently flew off w/ food in beak; not disturbed? but cannot be sure if carrying food; another in display flt w/ monotonous 'seep, zeeep' call!?? another past Dodopa seen well on ground & in flt w/ melodious calling, singing. 2 more singing in display flt approaching Pipara gau:, c ;
- #15) 1 on ground farther past Dodopa gau:, c ;
- #16) 1 approaching breakfast stop, c ; 2 c glade N of Bodaban, c
- #8) 2 flying overhead " do " " ; 1+3 along track through Bodaban, c
- #13) 1(H) past Pipara gau:, c. ; 1 more farther past c ;
- #26) 1 c. terraced meander, past Pipara, c ;
- #21) 1 farther on past Pipara, c ; 1 outskirts Bodaban, c. ;
- #40) 1 seen 1(H) NW of lunchstop, in open sal forest, c. ;
- #44) pair 1-2 Km NW " do " " " ; 1(H) c. 1.5 Km NW/W. of lunchstop

(sex. dimorph. plumage) for 3-5 sec  
 9) Eurasian Sparrowhawk - a pair seen well, copulating in upper branches, leafy sisoa grove edge, past Pipara gau:, Bara jilla, c. ; ♀ flew & perched on lower branch after copulation; ♂ followed, but chased off by ♀ (giving good views; ♀ later flew off to join ♂ at other perch in grove. W of Asamtote gau:, c. 100-105m. See G. et al. '98

8) House Sparrow - ♂ on wares rice straw closeline at house eave, Pipara gau:, Bara, c. ; very tame, as if guarding nest, which w/in 1m and made mostly of straw; no sign of ♀; residents said eggs in the nest.

10) Great Tit - 1 bird in timbered over mixed (mostly) sal forest NW of lunchstop seen carrying a brown caterpillar to several perches in understorey; calling but no other individuals seen. c

Mammal sighting:  
 triple-banded squirrel; pale sandy side of stripe on each flank with another down center of the back; darker grey-black at tip of tail;

19 April 2003 school W of Belwa, Bara ( )  
 Day 6 - Kat mandir, Bara ( )

Committed 7

- 26. Green Bee-eater - 1 just past breakfast stop, Pipara, c
- 27. Mystery Buzzard - distant view of either a small *Buteo* sp. or white-eyed Hawk, farther past Pipara gau:, c.
- 28. Eurasian Sparrowhawk - pair copulating farther past Pipara, c. (see pg. 25) rather large size!
- 29. Indian Roller - 1 W of Asamtote, Bara in open ctry; c
- 30. Green Sandpiper - 1 seen well in flt, c. marshy area, Bodaban, c.
- 31. Little Egret - 1+1 (pr?) c pond, edge of Bodaban, c.
- 32. Rufous Treepie - 1 c glade, sal forest edge, N " do "
- 33. Spangled Drongo - 1 (at mid-day!) " do " " "
- 34. Shikra - ♀ (?) at edge of chopped over sal glade, " do "
- 35. Osprey - distant view of 1 to W of Bodaban, c. (over ponds?) rather (later seen vicinity of lunchstop)
- 36. Rose-ringed Parakeet - 2 ♂♂ in treetop, c. glade N Bodaban, c.
- 37. Dollarbird - 1 at lunchstop, sal forest edge, N of Bodaban, c.
- 38. Common Hawk Cuckoo - 1(H) c. 100-150m E of lunchstop, " do "
- 39. Mystery Wagtail - 1 along small stream c. lunchstop, " do "
- 40. Large Cuckooshrike - 1 (H) vicinity of lunchstop, " do "
- 41. White-throated Kingfisher - 1 seen calling just past lunchstop, c
- 42. Black-hooded Oriole - 1 (H) c. 0.5 Km NW lunchstop, lt. sal, c.
- 43. Indian Grey Hornbill - 1 glimpsed " do " " "
- 44. Great Tit - 1 bird carrying food (see p. 25) NW of lunchstop, c.
- 45. Black-rumped Flameback - excellent views of ♀ " do " mainly records [G. et al. '00: "rare & local resident" at chimney]
- 46. Grey-headed Fishing Eagle - good views of head & breast while perched in a sub-canopy tree; then tail pattern seen as bird flew off; fairly dense forest c. 1 km from lunchstop (to NW); stream not v. far away; c. 125
- 47. Spotted Dove - 1+1 in cut-over mainly sal forest 1/2 Km NW lunchstop.
- 48. Ashy Drongo - 1 in " do " " " " "
- 49. Greenish Warbler - 1 bird seen & heard well, calling "chis-weet (probably same sp. as #7) + another also " do " in same vicinity.

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Day 6 Kat Mandir, Bara ( )

Additional records:

- #47) pair 1.25 Km NW/W of lunchstop, c. ;
- #1) 1 seen overhead, calling "do" " " ;
- #29) 1 sitting in tree at fireline in forest towards Kat ghat, c. ;
- #32) 1 in fairly dense forest c. 1 Km SE Kat ghat gau; c. ;
- #52) another (?) (H) WYPT 55 - Kat Mandir, twilight, c. ;
- #38) 1 (H) in Kat Mandir area 8 PM into the night, c. ;

Habitat: In AM, across mostly open terai, some scattered groves of bamboo/siseo/acacia/mango. Some marshy area c. ponds at Bodaban. Open terai gave way to terraced-out higher ground (beginning of bhabar land?) + cultivated meanders of Kholas, some with high banks, grassy patches on inner meander + marshy littoral.

From Bodaban N the forest is mostly sal, mixed at times with other broadleaves + some deciduous elements; veg. more luxuriant c. stream c. lunchtop. Dipped down into a clear water meandering stream with non-sal dense broadleaves (no recent cut) then back up + on through sal. Before that passed through area of heavily cut sal, some with tops left intact. Many other older cuts; forest more like scrub/scrub forest.

Mixed sal along raised <sup>N-S</sup> gravel rd E of Kat ghat gau: fairly well cut for big trees; rd. has made it very easy to pull them out. Kat ghat gau: people not eager to discuss who has done the recent cutting: timber synd w/ India? MA? both

Good, dense mixed sal to W of Kat across stream. From there to Kat Mandir much less cutting (but some recent).

- 49 (cont.) chisweet... chisweet"; in fairly dense mixed sal forest. Call matches P. + trochiloides which G. et al. '00 list as "common summer visitor, chiefly 3000-4270m (13) On way to breeding areas? Note very low alt! c. 1.25-Km NW of lunchstop
- 50. Oriental Magpie Robin - ♂ in fairly dense mixed sal, c. 1 Km SE Kat ghat.
- 51. Red Junglefowl - 1 (H) c. 1 Km SE Kat ghat at dusk, c.
- 52. Oriental Scops Owl - 1 (H) <sup>in dark</sup> raised road c. Kat gau at dusk; c.
- 53. Mottled Wood Owl? - 1 (H) not far from track towards Kat

\* Mandir at twilight → night. Not far past WYPT 55 towards mandir; Initially, bird deduced to be close by gave a single, clear loud "hoot"; sharply enunciated. Then an eerie, subdued + drawn-out call (not loud because bird close by?); initially described as a repeated 'woo... oooo... oooo' drawn out + descending (also slowing down at end) + with a quavering quality to it. <sup>(in dark)</sup> <sup>(10m)</sup> Eerie + unnerving. After several calls (ea. c. 6-10 sec) I approached closer + bird stopped calling. Deduced to be nearby (w/in 15m). Walking by torch along track when 'hoot' heard. Extinguished flashlight + stood still then other call series began. 'hoot' given only once, introductory? startled?

Calls a good match with those for Mottled Wood Owl, and no other owl or owl has that 2 type call, esp. latter one. G. et al. '98: Voice: "spooky quavering whaa-ah-ah-ah-ah-ah-ah". Also a single metallic hoot and a harsh screech". Chiefly nocturnal.

Habitat also a good match. Area was mixed sal forest but with tall, dense canopyed non-sal broadleaves c. water, + in/along rivulets. Dense patch bordered to E by stream, opp. side of which fields with scattered trees + barns; G. et al. '98: "Open wooded areas + groves of old densely foliated trees around villages + cultivation in the plains." Status: "Endemic to subcontinent; resident breeder in N India (Bihar) to within a few km. of Nepal border in band of which Bara jilla ± center. No recent records for Pakistan; India: 'generally rather uncommon'. No records for Nepal!

On basis of calls heard clearly, all other species of owl can be eliminated except Mottled Wood Owl. Worth a write-up. (Heard c. 19h35-20h05) [10-15 min] or 20h10 (after 'effort' stopped)

- 54. Brown Hawk Owl - a pr. calling back + forth along forest perimeter of Kat Mandir glade. At c. 9 PM for 10-15 min.



GPS Coordinates:

		Elev. (m)
KAT (Kat Mandir, Bara):	27° 07.961'N 85° 05.032'E	(108)
WYPT 56 (? tracks; drxn change to path):	27° 07.672'N 85° 05.187'E	(74)
WYPT 57 (? farthest pt. on AM birdwalk?):	27° 07.894'N 85° 05.334'E	(104)
WYPT 58 (on track NE of Kat Mandir):	27° 08.668'N 85° 05.602'E	(138)
WYPT 59 (hastily hacked sal; track nearby):	27° 09.126'N 85° 05.592'E	(130)
WYPT 60 (acacia grass edge; drxn Δ):	27° 09.211'N 85° 04.855'E	(126)
WYPT 61 (shady rest + snack stop, E-W highway):	27° 09.241'N 85° 04.465'E	(125)
WYPT 62 (E-W highway bridge; drxn change):	27° 10.040'N 85° 04.207'E	(133)
WYPT 63 (dusty track N of E-W highway/62):	27° 10.353'N 85° 03.593'E	(135)
CP 2 (forest CP N of E-W highway, Bara)	27° 11.238'N 85° 03.807'E	(137)

Weather: Storm with heavy rain, not much wind from c. 03h00-04h00; overcast at 1st light/dawn; breezy w/ increasing cumulus at 05h45; 74°F at 06h00 (prob. cooler than earlier in AM); after fairly heavy rain; 06h20, lightening up but still w/ swirling cumulus above, breezy + cont. thunder & lightening (1) in vicinity; 69°F at 06h45; calm & clearing, 8-8:15 AM; steadily warming up & clearing with gusts of wind after small bout of rain (mostly light) where birding maintained; clear hazy & very hot w/ almost calm air along river; 98°F at 14h30 on W bank open scrub in shade; stifling desiccating heat. 91°F in broadleaf forest shade at 16h30 at late lunch stop.

Mammal sightings:

Wild Boar (bandal) - 1+1 in dense forest E of WYPT 60, c. (hare) - 1 at WYPT 62, Khola side closely cropped grass; pale above with distinctive red/rufous in tall ears. c.

Effort:

05h30 - 05h45 (AM birdwalk - rain stop)	0.25
06h00 - 08h30 (resume "do" - breakfast break at CP)	2.50
09h30 - 15h00 (mid-day march)	5.50
16h30 - 17h20 (along E-W highway)	
17h40 -	

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1. Red Junglefowl - 1 (H) early AM in Kat Mandir glade edge forest.
2. Indian Cuckoo - 1 (H) " do " " "
3. Spotted Dove - 1 in Kat glade edge treetops, c.
4. Red-whiskered Bulbul - ≥ 1 " do " "
5. Linnateed Barbet - 1 seen well, Kat Mandir forest edge, c.
6. Jungle Babbler - flock of ≥ 9, " do " "
7. Oriental Magpie Robin - ♂ then ♀ seen " do " "
8. Common Hawk Cuckoo - 1 (H) c. " do " "
9. Red-vented Bulbul - pair forest edge, Kat Mandir + tracking; c. (after early AM thunder shower) back-
10. Red-billed Blue Magpie - pr. w/ 1 juv. " do " "
11. Chestnut-tailed Starling - ≥ 4 in treetops " do " "
12. Bronzed Drongo - 1 in forest along track → WYPT
13. Mystery Flameback - 1 (H) w/ loud call, forest edge along track, c. (not Black-rumped)
14. Large-billed Crow - pair edge of pond, Kat Mandir, early AM; c. (omitted)
15. Brown Hawk Owl - ≥ 1 (H) edge of " do " "
16. Black-naped Monarch - ♀ in dense forest c. stream S of Kat Mandir, c.
17. Mystery Phylloscopus Warbler - 1 " do " "
18. Bar-winged Flycatcher-shrike - ♂ + ♀ + 2-3 others " do " " in flock
19. Lesser Yellowname - ♀ in dense forest, c. stream S of Kat Mandir, c.
20. Blue-capped Rock Thrush - ♀ " \*new min. elev. for NP; see G et al. '00. do def. foraging together (excellent views of confiding pr.)
21. Rufous Woodpecker - ♂/♀ pr. " do " " G. et al '00: "Uncommon and widespread (quite) bird resident."
22. Emerald Dove - pr. (♂/♀?) in dense, non-sal forest, AM birdwalk.
23. Great Tit - pair in dense mostly sal, WYPT 56 - Kat Mandir.
24. Chestnut-bellied Nuthatch - pair " do " "

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Additional records:

- #11) 3 S of Kat Mandir glade, c. ; ≥3 departing late lunchstop, c.
- #9) ≥ pr. " do " " " ; diff. pr.? Kat Mandir, late AM c. ;
- #7) ♀ past stream on AM birdwalk, c. ; <sup>H+H along</sup> ♂ E-W hiway edge, past WYPT 61, c.
- #1) ≥ 1 more S of mandir " do " " ; 1 (H) approaching late lunchstop.
- #17) another, mostly by voice, poorly seen, Kat Mandir ; 1 WYPT 59 → 60, c. <sup>3</sup>
- #25) ♂ NE Kat Mandir, c. WYPT 58, c. ; ♂/♀ pr. WYPT 59 → 60, c. ; <sup>another ♂/♀</sup> farther on
- #23) ≥ 1 c. WYPT 58 " do " " ; 1 WYPT 59 → 60, c. ;
- #28) 1 + 1 + 1 WYPT 58 " do " " ;
- #32) 1 (sex?) WYPT 59 → 60, c. ;
- #29) pr. mobbing #38, past WYPT 61, c. ; 1 c. WYPT 62, c. ; <sup>1 approach</sup> farther on
- #39) H (pr?) farther on past " do " ; 1 WYPT 61 → 62, c. ;
- #40) H+H farther on " do " ; H+H farther on
- #24) pr. c. late lunchstop, c. ;
- #3) 1 in flt along E-W highway, c.
- #1 cont) another (H) after dep. from WYPT 61, calling from that area
- #42) pr. along E-W Highway, past " do " c. ;
- #48) 1 (H) " do " " " c. ;
- #26) ≥ 1 in forest edge, E-W hiway " do " ;

- 25. White-rumped Shama - ♂ WYPT 56 - Kat Mandir, dense forest. <sup>1 carrying nesting material</sup>
- 26. Greater Racket-tailed Drongo - pr forest edge, Kat Mandir, c.
- 27. Black-hooded Oriole - 1 mobbing #26, " do " "
- 28. Rufous Treepie - 1 flying over glade, Kat Mandir, c.
- 29. Indian Roller - 1 " do " (≠ edge) " do "
- 30. Plum-headed Parakeet - ♂/♀ pair, Kat Mandir, c.
- 31. <sup>omitted</sup> Large Cuckoo-shrike - 1 (H) AM birdwalk + 1 (H) NE Kat Mandir, c. <sup>later seen</sup>
- 32. Velvet-fronted Nuthatch - ♂ c. WYPT 58, NE Kat Mandir,
- 33. Black-rumped Flameback - 1 (sex?) c. WYPT 59 N Kat Mandir.
- 34. White-bellied Drongo - 1 in f. dense mixed sal WYPT 59 → 60;
- 35. Common Iora - ♀ seen (to H nearby?) " do "
- 36. Black-headed Bulbul - 1 . . . . " do " "
- 37. Dollarbird - 1 flying over simal/forest edge of river, N Kat, c.
- 38. Mystery Raptor - Besta or Eurasian Sparrowhawk " do "
- 39. Green Bee-eater - pr at edge of leafless <sup>(mostly acacia)</sup> forest, c. river edge
- 40. Paddyfield Pipit - 3+2 " do <sup>(in closely cropped grass)</sup>
- 41. Red-wattled Lapwing - 1 in flats along river; c. <sup>(mostly scattered tussock rubble)</sup>
- 42. Common Myna - pair along grassy flats, river's edge
- 43. Chestnut-shouldered Petronia - breeding family, " do "
- 44. Red Collared Dove - pair along river in leafless acacia,
- 45. Black Redstart - ♂ on ground, shady spot, " do " <sup>2-3 m</sup>
- 46. Common Quail - ♂? flushed at close range (just in front) + seen well without binox; markings c. head evident; could not see underparts. <sup>\*? apparently silent; in 1-1.5m grassy tussocks E of late lunchstop; G. et al '00: Scarce winter visitor, passage migrant; possibly resident. " v. diff. to separate from Rain Quail (vagrant to Nepal).</sup>
- 47. White-rumped Vulture - 1 along stone, almost dry riverbed just E of late lunchstop.

Breeding records:

- #11) Green Bee-eater - family group of 3; 1 bird hawked a winged insect out of sky; fed to presumed young <sup>(rather immobile)</sup> on branch; N of WYPT 61, c.
- #12) Greater Racket-tailed Drongo - a confiding pair moving thru lower canopy of most sal, Kat Mandir periphery, c. ; 1 bird carrying a long thin strand of dried grass or rice straw.
- #13) Chestnut-shouldered Petronia - ♂, ♀ with fully plumaged juvenile <sup>(note status)</sup> (lacking throat patch); ♀ w/ folded winged insect; confiding; prob. startled from <sup>with small yellow patch</sup>

Additional records:

- #28) 1+1 pairs, along E-W highway WYPT 61-62, c. ;
- #11 cont.) 1+1 (pr?) " do " " " " ;
- #1 cont.) 1+1 (H) c. WYPT 62, forested dry Khola side, c. ;
- #50) 1 c. .... " do " " " " ;
- #38) another vicinity of WYPT 62, c. ;
- #5) 1 (H) WYPT 62-63, c. ; 1 seen approaching forest CP site, c.
- #2) 1 (H) approaching forest CP site, c. ;
- #8) 1 (H) " do " " " " ;
- #21) 1 seen (sex?) at twilight approaching forested CP site, c. ;

Route: Backtracked from tented CP at Kat Mandir along track to jct. with path leading into forest (WYPT 56); followed + crossed stream into dense forest, unburnt + no sal; bit further beyond took WYPT 57 at end pt. Directly back in as straight a line as possible to Kat Mandir; returned to WYPT 56 to belatedly record the pt. Followed track N, then turning Eward, where (WYPT 58) headed through cut forest towards river. Forest heavily hack + only for lower stems of most tall sal at WYPT 59; continued ± W to emerge at river edge (WYPT 60); from there c. N along grass/acacia ecotone, almost to E-W highway before crossing river at Common Quail site (not marked) to shady rest + shack stop (WYPT 61); late afternoon walk along S bund of highway ± due W to next bridge/Khola (WYPT 63); after break to fetch water, followed E bank of Khola to track (WYPT 63) + followed it to vicinity of campsite, arriving at past dark.

Habitat: Good mixed sal c. Kat Mandir glade; fairly dense with only a few old cuts; off track in vicinity of WYPT 57, unburnt, damper dense forest bordering stream, with 2-3 hi understorey of saplings + thickets. Most trees non-sal; E of Kat Mandir, a clear, full-flowing meandering tributary with marshy littoral (including elephant-ear plants + cat-

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Day 7 Forest camp N of E-W Highway ( )

- 48. Common Tailorbird - 1 (H) c. late lunch stop, c.
- 49. Ashy Drongo - 1 in forest edge, E-W highway, c.
- 50. Himalayan Bulbul - 1 " do " " "
- 51. Blyth's Reed Warbler - 1 seen well; " do " " "
- 52. Greater Coucal - 1 (H) S of E-W highway, WYPT 61-62, c.
- 53. Black Francolin - 1 (H) N " do " , N of WYPT 62, c.
- 54. Rose-ringed Parakeet - 1 (sex?) approaching forest CP, c.
- 55. Grey-headed Woodpecker - ♂ seen + H " do " " "
- 56. Indigo Peafowl - 1 (H) approaching " do " " "
- 57. <sup>omitted</sup> Drongo Cuckoo - 1 (H) c. WYPT 63 in good dry forest, c.
- 58. Large-tailed Nightjar - 1 seen as silhouette + (H) " do " "
- 59. Oriental Scops Owl - 1 (H) c. forest CP site, c.
- 60. <sup>after effort ceased</sup> Collared Scops Owl - 1 (H) c. " do " (1 hr " past dark")
- 61. <sup>omitted</sup> Large Common Woodshrike - 1 (sp?) <sup>late afternoon, in grove of charal</sup> between 2 E-W highway bridges, c. (Large) + 1 at start of day, Kat Mandir Khola; perched briefly.

Habitat (cont.): tails); N then NE of Kat Mandir, mostly sal with much recent cutting, worst at WYPT 59 where most large sal hastily felled for lower portion of stems; winding rudimentary track in forest; most cutting in past 1-2 years, some as recent as 6 mo. ago? Farther W near river forest in better condition, some with only scattered old cuts of tall sal; riverine habitat of simal + mostly acacia, latter leafless with tussocks of tall dry grass + thorny thickets; tussocks often with closely cropped/ grazed grass interspersed; river dry with much boulder, stone, gravel and sand; rest stop in little cut tall mixed broadleaf forest edge; then along highway with quava orchard, scattered simal + mango trees; from WYPT 62 to evening CP site along grassy border, then thorny thickets + very dry bhabar forest; sev. spp. almost all leafless w/ acacia + simal; dry, patchily grazed understorey of Viburnum (like?) plants, wildflowers, grass, thorny scrub.

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21 April 2003 Forest camp N of E-W Highway, Bara  
Day B - Adabar, Parsa WR, Parsa ( )

GPS Coordinates:

		Elev. (m)
CP 2 (Forest CP N of E-W Highway)	27° 11.238' N 85° 03.807' E	(137)
WPT 64 (on old track near CP site)	27° 11.332' N 85° 03.894' E	(145)
WPT 65 (trail-track jct with cycle path in forest)	27° 11.976' N 85° 03.766' E	(177)
WPT 66 (trail fork jct in forest)	27° 12.390' N 85° 03.583' E	(173)
WPT 67 (E bank Bangri Khola; dxn change to N)	27° 12.674' N 85° 03.949' E	(161)
WPT 68 (center Bangri Kh. at jct cycle path)	27° 13.668' N 85° 03.386' E	(238)
WPT 69 (rest stop on track → Adabar)	27° 13.389' N 85° 03.104' E	(192)
WPT 70 (trail jct; cycle path S, W to Adabar)	27° 13.458' N 85° 02.354' E	(185)
WPT 71 (on E-W fireline track)	27° 13.794' N 84° 59.315' E	(185)
DABAR (Parsa WR HQ guest house camp)	27° 13.834' N 84° 59.260' E	(213)
WPT 71 (W bank Dudauri Kh, fireline track)	27° 13.665' N 85° 00.555' E	(192)

1. Indian Cuckoo - 1 (H) c. AM CP site, c. dawn, c
2. Indian Peafowl - 1 (H) c. " do " " "
3. Large Cuckoo-shrike - 1 (H) c. " do " " "
4. Jungle Babbler - 7 moving thru, rather high up, AM CP site, c. (4.5m in trees)
5. Indian Roller - pair in vicinity AM CP site, c. ; good, dense mixed woodland
6. Red Junglefowl - 1 (H) immediate " do " " "
7. Oriental Pied Hornbill - 4 in flock c. AM CP site, c. ; good, close views at times, but did not note sex!
8. Chestnut-tailed Starling - 3 " c. 100 NF " " resumed AM walk (See pg. 37)
9. Oriental Magpie Robin - ♂ seen " do " " "
10. Great Tit - pair in dense woodland " do " " "
11. Red-vented Bulbul - ≥ 1 " do " " "

Weather: Clear & hazy at dawn; 80°F at 0700; steadily warming up, slightly breezy & quite hazy; very hot late AM; 95°F at WPT 67; hot crossing old riverbeds with grass clumps + open acacia. eat mind-numbing & prob. affected quality of effort; clouding over c. 5 PM;

Additional records:

- 3) 1 in tree top, N of AM CP site, c. ; 1 past WPT 68 in open woodland, c.
- 15) ♂ in dec. forest " do " ; (in chase) ; (also in chase) further on. ; yet another pr. (sex?)
- 12) pair N of AM CP site, c. ; another pair further N, c. ; yet another pr. (sex?)
- 9) ♂ N of " " " ; another ♂ further on past WPT 66; WPT 70-71, c. ; 1+1 in sal forest
- 13) 1 perched, treetop, c. WPT 67, c. ;
- 11B) 1 (H) c. WPT 67, c. ;
- 1) 1 (H) past WPT 67, c. calling from WPT area; 1 (H) past WPT 68, c.

- 12) Chestnut-shouldered Petronia - for juv. up in forest tree " do " " ; uncommon G. et al 2000; local summer visitor; common at Chitwan; elsewhere
- 13) Dollarbird - 1 on 2nd AM foray; over dense deciduous woodland, c. ; seed well from below, + off to side (but poor views of tail)
- 14. White-eyed Buzzard - 1 overhead, over forest N of AM CP site, c.
- 15. Chestnut-bellied Nuthatch - ♀ in deciduous woodland c. AM CP site, c. ; [omitted]
- 16. Crested Serpent Eagle - 1 H + seen overhead " do " N of " do "
- 17. Besra/Eurasian Sparrowhawk - pr. overhead, not seen well, " do " "
- 18. Linnated Barbet - 1+1 (H) N of AM CP site, on forest track, c.
- 19. Drongo Cuckoo - 1 (H) in forest/woodland N of AM CP site, c.
- 20. Spotted Dove - 1 flying up to dec. forest perch, " do " " " ; (not seen well; silent)

Effort:

05h45 - 06h45 (AM birdwalk c. CP site)	1.00
07h45 - 08h25 (resume AM birdwalk " do ")	0.66
08h45 - 14h00 (late AM, a'noon march)	5.25
14h45 - 19h00 (afternoon/eve march)	4.25
Σ = 11.16 hr	

- 21. Mystery Phylloscopus Warbler (Greenish?) - 1 w/ #10s " do " " "
- 22. Scarlet Minivet - ♂/♀ pair in bhabar forest, c. WPT 66, c.
- 23. Spot-winged Starling - pr. copulating, " do " " " "
- 24. Plum-headed Parakeet - ♀ in woodland " do " " " "
- 25. Common Hawk Cuckoo - 1 (H) past WPT 66, dense woodland, c.

A Additional records:

- # #23) 2 (c=4) pr. just past WYPT 69 → Adabar, c ;
- # #29) 1 (H) approaching Balanga Kh., c ; <sup>+1</sup> WYPT 70-71, c ;
- # #24) ♀ in flt. over " do " ; <sup>(sal forest)</sup> ♂ WYPT 70-71, c ;
- # #22) ♀/♂ pr. passing thru, c WYPT 70, c ; <sup>(sal forest)</sup> ♂
- # #8) pr. in sal forest. " do " ; <sup>WYPT 70-71; c</sup> another pr. farther on;
- # (#7) flock of 3-4, sal forest, WYPT 70-71, c ;
- # #28) pr. in flt, one bird calling, " do " ;
- # #4) 4-5 off fireline road WYPT 71-72, c ;
- # #25) 1 seen alighting, then H, " do " ; <sup>(edge Dudaura Kh.)</sup>

Habitat: Mixed deciduous broadleaf forest, mostly leafless, f good undergrowth & in places good sub-canopy. Most tree spp not known. Dry bhabar forest with little burning. Also across dry Kholas, no water for many kms. Sal mixed into forest periphery of Kholas; thorny character to shrubs & undergrowth. Forest along fireline track mixed sal, w/ broadleaf spp in nullahs + more Banas (v. few epiphytes).

E bank forest edge of Balanga Khola, c

#16 Black-crested Bulbul - nest in a <sup>(c. 5-5.5 m above ground)</sup> ~~sage~~ sub-canopy/small tree (f. large broadleaves) nest out on limb c. 1.5m from stem. Outside woven with f. large dk brown broadleaves, inside (noted by Durga) lined w/ thin pale yellowish-brown grasses; Cuprim finished off with rootlets (or small pieces of small twigs)? Interwoven throughout bits of spider web from patch to patch; both parents feeding young; perched v. close by. Young with open eyes, patchy down; 1 parent a translucent, orangey berry. Other feeding a black insect (spider?); sat on nest.

Breeding record

- #14 Chestnut-tail Starling - 1 of group of 3 (same seen earlier?) seen carrying nesting material (thin twig?) into cavity at/in fork of doglegged tree branch, 14-15m above ground = new max. for sp; 2 other birds in close proximity; c. forest CP site, c.
- #15 Spot-winged Starling - pair copulating in dense bhabar woodland c WYPT 66, N of CP, N of E-W highway; c ; in top of fairly leafy tree; ♂ singing parts of song, then sidled up to ♀, used tail to rub against her vent area; ♀ responded with short sidles; ♂ answered same; sidling took 10-12 sec; ♂ mounted but unsuccessful; flew down from branch above, re-mounted w/ ♀ raising tail slightly; 2-3 sec cop. ♂ rested with back to ♀, clutched

21 April 2003 Forest camp N of E-W highway, Bara Day 8 - Adabar, Parsa WR, Parsa ( )

- 26. Common Iora - ♀ seen calling dense woodland past WYPT 66, c.
- 27. Greenish Warbler - 3 in sub-canopy shrub top " do " <sup>(1 w/ fairly distinct crown stripe)</sup> good views of H calling/singing. "
- 28. Black-hooded Oriole - 1 (H) c WYPT 67, c.
- 29. Common Woodshrike - several past WYPT 67, c. <sup>(also seen earlier in day)</sup> (but not 100% sure which sp.)
- 30. Shikra - ♀ seen well, mostly from below, past WYPT 68, c. ; old rivulebed with grasses + thin acacia
- 31. Alexandrine Parakeet - ≥ 1 (sex?) seen/H well, c. AT CP site, c.
- 32. Grey-breasted Prinia - 1 WYPT 67 → 68 old rivulebed, scorching hot, c.
- 33. Red Collared Dove - ♀ " do " " "
- 34. Green Bee-eater - pr in a tussle, approach. Balanga Kh., c.
- 35. Oriental White-eye - ≥ 1 " do " "
- 36. Black-crested Bulbul - <sup>pr. of</sup> birds nesting at edge of " do <sup>(see pg. 37) (unusual to find in such dry habitat)</sup>
- 37. Fulvous-breasted Woodpecker - ♂ in mixed sal, W of Balanga Kh. → Adabar. <sup>f. dense</sup>
- 38. Brown-capped/Grey-capped Pygmy Woodpecker - 1 hi up in sal not seen well enough " do "
- 39. Crested Serpent Eagle? - 1 not seen well, not H; WYPT 70-71, mixed sal, c.
- 40. Bar-winged Flycatcher-shrike - scattered ♀/♂ pr " do " " "
- 41. Greater Yellow-nape - ♂ <sup>(+ ♀ nearby)</sup> seen well in rather dense mixed sal " do "
- 42. Black-naped Monarch - ♂/♀ pr <sup>(w/ another individual?)</sup> edge Dudaura Kh. → Adabar.
- 43. Eurasian Thick-knee - pr. seen well in Dudaura paraded bed, c. <sup>\* note habitat vs. Great! (v. stoney)</sup>
- 44. Crow-billed Drongo - 1 prob. 2, 1 of which seen well approaching dusk tail w/ shallow fork, twisting up at ends; wings (+ mantle) with bluish gloss, even seen in shade; semi-spangled back; bill/head seen well; WYPT 71-72, c ; edge Dudaura Kh. <sup>(c. et al '00 plate spot on)</sup>
- 45. Oriental Scops Owl - 1 (H) approaching Adabar, c WYPT 71-72, c.
- 46. Large-tailed Nightjar - 1 (H) " do " " " "

22 April 2003 Adabar vicinity  
Day 9

GPS Coordinates:

Elev.  
(m)

- ADABAR (Parsa WR guesthouse, Parsa): 27° 13.834' N 84° 59.260' E (213)
- WAYPT 73 (farthest pt. of AM birdwalk): 27° 13.550' N 84° 59.882' E (215)
- WAYPT 74 (fallen tree on fireline track): 27° 13.729' N 84° 59.892' E (209)

1. Scarlet Minivet - ♂/♀ pr. c. Guest House, Adabar, PWR
2. Red-vented Bulbul - ≥ 1 " do " "
3. Indian Cuckoo - 1 (H) calling off rājmarḡ, E of PWR,
4. Common Hawk Cuckoo - 1 (H) " do " " "
5. Large Woodshrike - ≥ 2 ♂♂ + 3 ♀♀ seen in forest E of rājmarḡ
6. White-throated Kingfisher - 1 in forest
7. Velvet-fronted Nuthatch - 2 (pr? sep?) " do " " "
8. Large Cuckoo-shrike - 1 (H)
9. Red-billed Blue Magpie - 2/pr over forest  
seen well; good habitat indicator.
10. Himalayan Flameback - ♀/♂ pair, rather confident, in mixed sāl,
11. Black-hooded Oriole - 1 (H) in f. dense forest
12. Indian Roller - 1 in fairly thin sāl forest, E of Adabar, c.
13. Oriental Magpie Robin - ♂ in thin forest tree, E of Adabar, c.
14. Himalayan Bulbul - pr. edge " do " " "
15. Chestnut-shouldered Petronia - ♀ " do " "

Weather: Clear and hazy most of the day. Fairly breezy after 8 AM into afternoon (enough so to affect bird obs's). Hot & still in late afternoon → evening.

Additional records: [several birds seen on late afternoon walk pr. same as AM: not recorded]

- 1) ♂ in forest E of rājmarḡ, c. ;
- 2) 3-4 ♀♀ + 4 ♂♂, forest edge, E of rājmarḡ, c.
- 2) ≥ 2 in late afternoon, forest track E of Adabar, c. ;
- 2) ♀ " " " then 3 ♂♂ + 3 ♀♀.
- 5) diff(?) flock " do " " (mixed sexes).

Habitat: Semi-grove c, guest house area of compound. Mostly dry sāl to E, where 2 birdwalks conducted. Some good tangles of thickets + lianas in some of the nullahs but understorey fairly burnt by (recurrent?) fire.

16. Chestnut-tailed Starling - ≥ 1
17. Chestnut-headed Bee-eater - 1 at G.H. + 2 forest edge E Adabar, c.
18. Large-billed Crow - ≥ 1 at forest edge W of Adabar, c.
19. Spotted Dove - pr. into forest W of Adabar, c.
20. Plum-headed Parakeet - ♂ in treetop, " do " " "
21. Common Iora - 1 (H) calling, returning towards Adabar, c.
22. Mystery Raptor - hawk or buzzard / small eagle over sāl forest.
23. Chestnut-bellied Nuthatch - ♂ on late afternoon walk, " do " "

Effort: 06h 15 - 08h 30 (AM birdwalk): 2.25  
17h 15 - 18h 50 (evening birdwalk): 1.58  
Σ = 3.83 hr

f GPS Coordinates:

Elev. (m)

- # ADABAR (Adabar G.H., Parsa WR): 27°13.834'N 84°59.260'E (213)
- # ADBRSB (Adabar, Parsa; signboard): 27°13.779'N 84°59.262'E (205)
- # LUNJS (lunchstop; fireline wooden bridge): 27°14.117'N 84°54.460'E (191)
- # MAHDEV (Mahadev Kh. guard post): 27°14.225'N 84°52.773'E (167)
- # WYPT 75 (T-jct fireline track c. post): 27°14.216'N 84°52.810'E (178)
- # WYPT 76 (farthest pt. along N-S track): 27°14.519'N 84°52.962'E (177)

# Weather: Clear<sup>hazy</sup> and cool in early AM, but quickly warming up. Birds quiet at 09h30 in increasing heat; 96°F at lunchstop bridge at 13h30; clear<sup>hazy</sup> & breezy at times during afternoon; continued sunny, hot + hazy into late afternoon. Birds became quiet c. 17h40, unusually early (!).

Route: late AM departure from HQ via army post, then along fireline track as far as Mahadev Khola post; c. 2.5 Km from Adabar crossed Bedaha Khola, which is border of Parsa WR. ∴ reserve entered at this pt. Followed E-W fireline track all day long.

Mammal sightings: Indian One-horned Rhinoceros (?) - Durga reported seeing one ahead but not clearly. Elephant? Only elephant dung mt. Not rhino?  
Bengal Tiger - spoor from prev. night on dusty E-W fireline track c. 2 Km W of army post.

Rhesus Monkey - ≥ 8 c. 3 Km W of Adabar, off fireline track, c. <sup>in troops</sup>

Effort:

06h30 - 08h20 (c HQ; only c. 20 min birding)	0.33
08h40 - 13h30 (AM march to lunchstop)	
14h00 - 16h00 (afternoon march to Mahadev)	
17h15 - 18h30 (late afternoon birdwalk)	

1. Red-vented Bulbul - at HQ office vicinity, AM, c.
2. Red-billed Blue Magpie - ≥ 1 c. military CP, fireline tracks, c.
3. Large-billed Crow - 2 seen c. " do " "
4. Indian Cuckoo - 1 (H) c. " do " "
5. Oriental Magpie Robin - ♂<sup>7</sup> just past army barracks, fireline track, c.
6. Indian Roller - 1 in open grass 'quad' past " do "
7. Dollarbird - 1 " do " " "
8. Grey-breasted Prinia - 1 (H) c. " do " "
9. Common Hawk Cuckoo - 1 (H) c. " do " "
10. White-throated Kingfisher - 1 (H) c. " do " "
11. Chestnut-bellied Nuthatch - ♂<sup>7</sup> farther on past army camp, c.
12. Chestnut-headed Bee-eater - pair at 1st dry riverbed crossing, c.
13. Ashy Drongo - family group of 3 " do " "
14. Chestnut-tailed Starling - ≥ 1 " do " "
15. Common Tailorbird - 1 (H) farther on from stand of spindly trees w/ sal.
16. Black-hooded Oriole - 1 (H) c. 2.5-3 Km W of Adabar, fireline track; c. <sup>later seen; see pg. 43</sup>
17. Plum-headed Parakeet - ♀ " do " " "
18. <sup>omitted</sup> Scarlet Minivet - 1 (H) c. <sup>seen later in day</sup> army post/barracks, Adabar, c.
19. Jungle Babbler - ≥ 4 moving through mixed sal, 3-4 Km W Adabar, c.
20. White-bellied Drongo - 1 seen well in " do " "
21. Large Cuckoo-shrike - ♀(?) <sup>(banding not seen but dark upperparts)</sup> in mixed sal canopy 4-5 Km W Adabar, c.
22. Great Tit - 2/pr? (H) <sup>mixed later seen; see pg. 43</sup> in sal c. 4 Km W of Adabar, c.
23. Common Woodshrike - 1 seen " do " " " <sup>outside reserve</sup>
24. Velvet-fronted Nuthatch - 1 juv. <sup>(duller greyer)</sup> c. 4 Km W Adabar, c. " "
25. <sup>omitted</sup> Himalayan/Greater Flameback - 1 <sup>♂</sup> not seen well, outside reserve, past barracks

(43)

23 April 2003  
Day 10

Adabar, Parsa WR ( )  
Mahadev Kh. post, Parsa WR ( )

(44)

Additional records: 1(H) inside reserve at lunchstop, c.

- #8) 1(H) 2.5-3 km W of Adabar, c ; 1(H) c. 4 km W Adabar, c ;
- #5) 1 ♂ 3-4 km... " do " ; ♂ seen outside reserve, past lunchstop
- #19) ≥ 5 moving thru c. 4 km W Adabar, c ; 1 c. 2.5 km E Mahadev post, c
- #12) 1 seen sal forest " do " " ;
- #16) 1(H) in <sup>+ seen: ♂</sup> " do " " " ; 1(H) <sup>W of</sup> outside reserve c. 7 km Adabar.
- #1) pair nesting in forest c. 4 km W Adabar, c ; 3 at <sup>inside reserve</sup> lunchstop, c
- #17) 2 ♀♀ + 1 ♂ " do " " " ; ♂ outside reserve, 6-7 km W Adabar.
- #4) 1(H) inside reserve, c. 4-5 km W Adabar, c ; 1(H) " do " past lunchstop
- #3) 3 seen " do " c. 6 km W Adabar, c ;
- #22) 1 seen " do " " " " ;
- #15) 1(H) outside reserve, 6-7 km W of Adabar, c ; 1(H) <sup>outside reserve</sup> c. lunchstop, c ;
- #2) 1(H) " do " <sup>c. Megal Khola.</sup> c. 7 km W " do ;
- #29) 1 seen <sup>inside reserve</sup> approach lunchstop, 7-8 km W Adabar; 1 seen <sup>inside before Mahadev</sup> reserve last dry Khola.
- #14) 1 repeatedly visiting <sup>not carrying anything?</sup> a 5 cm hole, 5-6 km W " do " ; adult + juv. c. lunchstop
- #10) 1(H) outside reserve, c. lunchstop, c. ;
- #31) 1(H) inside reserve, c. " do " ;
- #26) 1 (sex?) " do " " " " ;

- 26. Bar-winged Flycatcher-shrike - ♀ inside reserve, c. 4 km W Adabar
- 27. Grey-headed Woodpecker - ♀ flying into reserve c. 4 <sup>5</sup> km W of Adabar, c.
- 28. Jungle Myna - pair inside reserve, c. 7 km W of Adabar, c.
- 29. Common Iora - 1(H) (H) <sup>calling</sup> <sup>inside</sup> <sup>later seen; see pg 43</sup> outside reserve, further on a bit, c.
- 30. <sup>[omitted]</sup> <sup>[omitted]</sup> <sup>[omitted]</sup> Bestra/Shikra - 1 seen from afar, past barracks in grassy area edge, c.
- 31. <sup>[omitted]</sup> <sup>[omitted]</sup> Chestnut-shouldered Petronia - ♀ seen c. 2 km W of Adabar, c.
- 32. Spot-winged Starling - ♂ <sup>inside reserve c. lunchstop, c.</sup> <sup>outside reserve, but then flew into it.</sup>
- 33. Spotted Dove - pr. <sup>attempted copulation, forest edge, last Khola.</sup> <sup>(not same as #17?)</sup>
- 34. Mystery Parakeet - 1 in flt. approach to Mahadev post, c.
- 35. Mystery <sup>Greenish?</sup> <sup>pale wingbar; underparts w/ yellow wash.</sup> Phylloscopus Warbler - 1 w/ long yellow eyebrow, on approach to Mahadev Post (8-9 km W of Adabar), c.
- 36. Red Collared Dove - ♀ WSP 75-76, c. Mahadev Post, c.
- 37. Oriental Scops Owl - 1(H) c. Mahadev Post, c. twilight, c.
- 38. [Large-tailed Nightjar] - 1(H) close by Mahadev Post/CP; same bird(?) seen (not diagnostically) flying over tents; c.

(39) <sup>[omitted]</sup> Indian Pitta - 1(H) dusk → twilight c. Mahadev post, c.  
 [ ] = outside effort time → inside reserve; call not recognized until next AM when seen.  
 G. et al. '00: "common at Chitwan; rare elsewhere"

Breeding records:

- #17) Red-vented Bullbul - pair w/ <sup>(less than)</sup> half-built nest in forest off fireline track c. 4 km W of Adabar, c ; c. 15 m up in spindly non-sal tree; cup of thin sticks in the notch of <sup>small</sup> branches, woven with spider webs; some long, thin grasses & a bit of leaves towards inside of nest; just outside reserve.
- #18) Spotted Dove - pr in attempted copulation, forest edge, last dry river course before Mahadev post. ♂ made c. 12 attempts in 3-4 min obs but ♀ not receptive, even when ♂ grasping nape of ♀.

Habitat:

- #19) Scarlet Minivet - ♂ carrying food, outside reserve at Mahadev Post, c ; could not distinguish food type (small);



(45)

f Additional records:

- # #18)  $\sigma^7$  seen <sup>then</sup> c. last dry khola before Mahadev Post, c. ;  $\sigma^7$  carrying food ; Mahadev Post, c.
- # #5 cont.)  $\sigma^7/\varphi$  pr. 9 km W of Adabar, outside reserve, c. ;
- # #16 cont.)  $\sigma^7$  seen outside reserve, Mahadev Post, c. ;
- # #17 cont.)  $\sigma^7$  c. WYPT 75, c. Mahadev Post, c. ;
- # #19) ~1 moving past, " do " " ;
- # #28) 2 " do " " " ;
- # #14) 3 or 4 " do " " " ;
- # #7) pair c. WYPT 75, Mahadev Post, c. ;
- (# #4 cont.) 1 (H) c. dusk WYPT 75  $\rightarrow$  75, c. ;

Habitat:

23 April 2003

Adabar, Parsa WR ( )

(46)

Day 10

Mahadev Khola post, Parsa WR ( )

(47)

GPS Coordinates:

			Elev. (m)
MAHADEV (Mahadev Kh. guard post):	27° 14. 225' N	84° 52. 773' E	(167)
WYPT 75 (Jct of fireline tracks c. post):	27° 14. 216' N	84° 52. 810' E	(178)
WYPT 76 (farthest pt. along N-S fireline track):	27° 14. 519' N	84° 52. 962' E	(177)
WYPT 77 (N-S track N of 76; dxn Δ to W):	27° 15. 363' N	84° 53. 171' E	(205)
WYPT 78 (W of 77; dxn change; rtmb post):	27° 15. 325' N	84° 51. 790' E	(190)
WYPT 79 (directional WYPT in dense forest?):	27° 15. 501' N	84° 51. 544' E	(184)
WYPT 80 (directional WYPT in dense forest?):	27° 15. 682' N	84° 51. 339' E	(203)
WYPT 81 (small dry khola in dense forest):	27° 15. 899' N	84° 51. 067' E	(209)
WYPT 82 (larger khola bed (stoney & dry)):	27° 16. 024' N	84° 50. 980' E	(200)
HOLECP (cp at water hole / hunting hide):	27° 16. 027' N	84° 50. 832' E	(196)

Weather: Clear & hazy in early AM; warming up with rise of sun c. 06h15; light overcast c. 10h00; but soon clearing; clear hot & humid at mid-day; oppressively hot in the afternoon w/ lot of sweating; scattered bits of cumulus, occasionally blocking the sun (but only briefly) towards evening; clear, calm & hazy at dusk / twilight. no temps recorded on this day!?

Habitat: Mixed sāl (sāl dominant) with other broadleaves. Almost no cutting of trees except for a group of 4-5 sāl behind military bungalows, stems rotting ∴ many years since cut. Little burning c. post, but some old burns (1-2 mo?) c. WYPT 76; across dried out, stoney N-S kholas to CP site of open canopy forest but fairly dense undergrowth including grasses little burnt.

Effort: 05h45 - 11h15 - (AM bird excursion)  
13h45 -

(48)

24 April 2003 Mahadev Kh. post, Parsa WR ( )  
Day 11 — Hide CP, Parsa WR, Parsa ( ).

- inside reserve
- 1. Chestnut-tailed Starling - 4+ 5 or 6 c. Mahadev, early AM.
- 2. Rufous Woodpecker - mostly silhouetted, ... " do " " (pr seen later in AM!)
- 3. Bronzed Drongo - a pair flying into reserve, " do " (another seen later in AM)
- 4. Indian Cuckoo - 1 (H) inside & out of reserve, c. Mahadev, c.
- 5. Indian Pitta - 1<sup>+</sup> seen calling inside & outside " do " " before 1st light 4-4:30 AM
- 6. [omitted] [large-tailed Nightjar] - 1 (H) " do " reserve " do " also H calling throughout much of night.
- 7. Common Hawk Cuckoo - 1 (H) early AM inside reserve, c. Mahadev, c.
- 8. Scarlet Minivet - ♂ seen inside reserve, c. Mahadev post, c.
- 9. Red-vented Bulbul - 1 seen outside reserve, c. Mahadev post, c.
- 10. Plum-headed Parakeet - ♀ between WYPTs 75-76 " do "
- 11. Red Collared Dove - ♂ in treetop, inside reserve, c. Mahadev post, c.
- 12. Greater Racket-tailed Drongo - 1 flying across track, c. WYPT 75, c. <sup>PAST</sup>
- 13. Oriental White-eye - 1 in treetop mistletoe, WYPT 75 & 76, c.
- 14. Great Tit - 1 seen calling, WYPT 75 → 76, c.
- 15. Jungle Babbler - 3 or 4 past WYPT 76 towards 77, c.
- 16. Grey-breasted Prinia - 1 " do " " "
- 17. Pale-footed Bush Warbler - 1 seen well past WYPT 76 → 77, c. #H giving sharp bubbly call (song?)
- 18. Jungle Myna - pair along track past WYPT 76 towards 77, c.
- 19. Orange-headed Thrush - 1 (sex?) " do " " "
- 20. Spotted Dove - 1 flushed from ground " do " " "
- 21. Oriental Magpie Robin - 1 (H) singing " do " " "
- 22. Ashy Drongo - pair c. 200m W of WYPT 77, N of Mahadev post, c.
- 23. Black-hooded Oriole - 1 (H) c. 500m W of WYPT 77, " do " seen later in day.
- 24. Grey-headed Woodpecker - 1 (♀?) c. 600m " do " "
- 25. Chestnut-shouldered Petronia - 1 (sex?) c. 1.5km W of WYPT 77, c.

Additional records:

- #8) ♀ <sup>then ♂</sup> seen past WYPT 76 towards 77, c ; ♂/♀ pr. 1.5 km W of WYPT 77, c
- #5) 1 <sup>+</sup> seen in treetop " do " " ; 1 (H) c. 200m W of WYPT 77, c
- #1) 3 " do " " " ; pr c. 250m W of WYPT 77, c
- #10) ♂ + 2 others " do " " " ; ♀ c. 1.5 km " do " c.
- #16) 1 seen " do " " " ;
- #9) 1 " do " " " " ; ≥ 4 c. WYPT 77, c ; <sup>pr past c</sup> ; <sup>WYPT 78,</sup> c
- #11) ♂/♀ pair seen " do " " " ;
- #18) 1 between WYPTs 77 & 78, c ; ≥ 3 1.5 km NW Mahadev Post, c.
- #15) ≥ 1 " do " " " ;
- #5 cont) 1 (H) c. 700m W of WYPT 77, c ; 1 <sup>+</sup> seen past WYPT 82, c
- #17) 1 (H) c. 700-800m " do " " ;
- #20) 1 flushed " do " " " ; 1 past WYPT 78, c ;
- #1 cont) 1 seen " do " " " ; pr. " do " " ; <sup>another pair, 1.5 km W Mahadev, c.</sup>
- #21) ♀ c. 1.6 km W of WYPT 77, c ; ♀ seen ♂ (H) c. WYPT 78, c ; <sup>♂ c. 1 km NW Mahadev, c.</sup>
- #4) 1 (H) <sup>seen (close by)</sup> approaching WYPT 78, c ; <sup>excellent views of (same?)</sup> bird calling; not wary; approach here CP, c
- #7) 1 (H) 1.5 km NW Mahadev, c ; 1 (H) 3.5 km NW Mahadev, c ;
- #24) ♀ (?) > 1 km " do " " ;
- #2) pair (♂ seen well) < 1 km " do " " ;
- #12) juv. < 1 km NW Mahadev post, c ;
- #14) pair NW of Mahadev post, c ;
- #23) 1 (H) c. 1 km " do " " ; 1 seen 2 km NW of Mahadev post, c.
- #22) 1 c. 1.5 km " do " " ;
- #10 cont) ♂ c. 2 km NW Mahadev, c ;
- #23 cont) 1 (♂) <sup>(also c. WYPT 81)</sup> seen approaching here CP, c ;
- #29) 4 in flock c. WYPT 81, c ;

24 April 2003 Mahadev Kh. post, Parsa WR ( ) - Day 11 Hide CP, Parsa WR, Parsa ( )

- 26. Common Tailorbird - 1 (H) approaching WYPT 78, N Mahadev post.
- 27. Crested Serpent Eagle - 1 (H) approaching Mahadev Post from NW, c
- 28. Rose-ringed Parakeet - ♀ seen well, 1.5 km NW Mahadev, c.
- 29. Large Cuckooshrike - 1 in dense forest 2 km NW of " do "
- 30. Black Francolin - 1 (H) approaching evening CP, c.
- 31. Mystery Flameback - <sup>gave "Klee...Klee...Klee"-type call. Black-rumped.</sup> pr. seen at long distance, c. WYPT 82, c. <sub>(but not diagnostically)</sub>
- 32. Savanna Nightjar - 1 + 1 H & seen over Khola c. CP, c.
- 33. Large-tailed Nightjar - 1 (H) c. hide CP, c.
- 34. [Oriental Scops Owl] - 1 (H) c. hide CP, c.
- 35. [Collared Scops Owl] - 1 (H) c. " do ", > 100m away, c.
- 36. [Jungle Owlet] ? - "woiwoiwoi..."-type call H + another call that was hard + short at the beginning; c. hide CP, c.

Route: Early AM bird excursion from post CP → WYPT 75 → 76; then continuing along N-S fire line track to WYPT 77. From there ± W through open, burned (but regenerating) mixed sal understory to WYPT 78; used GPS to rtn ± SE to Mahadev post through denser understory with a trail & marking by Dirga. In the afternoon tried backtracking from post to WYPT 78 but got lost soon after departure; Dirga found the trail + used him/GPS to reach + confirm WYPT 78. Then ± NW through mixed sal, circumventing dense patches of undergrowth. WYPTs 79/80 to confirm direction; called it a day when good CP site at waterhole <sup>dried</sup> w/ hunting hide stumbled upon.

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25 April 2003 Hide CP, Parsa WR, Parsa ( )  
Day 12 — Bhata, Parsa WR, Parsa ( ).

GPS Coordinates:

Elev.  
(m)

HOLECP (CP at water hole / hunting hide): 27° 16.027' N 84° 50.832' E	(196)
WYPT 83 (endpt. AT1 birdwalk; Khola bed edge): 27° 16.089' N 84° 50.554' E	(184)
WYPT 84 (W bank Jamuniya kha? headed NW?): 27° 16.376' N 84° 50.311' E	(210)
WYPT 85 ( ): 27° 16.292' N 84° 50.034' E	(189)
WYPT 86 ( ): 27° 16.842' N 84° 49.629' E	(217)
WYPT 87 (drxn change to N/NW from Jamuniya): 27° 17.326' N 84° 49.497' E	(234)
WYPT 88 (jct of blaze trail & E-W fireline track): 27° 17.816' N 84° 49.452' E	(241)
WYPT 89 (rest/lunch stop at Sukaura Khola): 27° 18.053' N 84° 47.471' E	(200)
WYPT 90 (jct fireline track & trail N to army post): 27° 18.119' N 84° 47.070' E	(195)
BHATA (enclave of Bhata village, Parsa WR): 27° 18.734' N 84° 46.607' E	(212)

Weather: Thin cirrus & scattered small cumulus in early AM. 83°F at 0715; clear but giving way to 50/50 patchy cover of cumulus at isolated Churia hill base; very hot (upper 90's F?) in early afternoon + humid; storm approached from W while at lunch stop but dissipated by 17h00; clear, hazy and quite humid at dusk.

Breeding records:

(20) White-bellied Drongo - bird sitting on a complete nest, in a budding deciduous tree 12-15 m above ground. Nest built on fork of 2" horizontal branch, c. 3 m from stem node; nesting bird flushed to nearby tree for good looks at belly; c. WYPT 87, c.

Effort:

05h30 — 08h15 (+ trail scout)	2.75
08h30 — 15h30 (AM + afternoon march)	7.00
17h00 — 18h20 (late afternoon march)	1.33
Σ =	11.08

- 1. Common Hawk Cuckoo - 1 (H) <sup>↑</sup> vicinity hide CP, early AM, c. later seen flying over nearby Khola bed, not diagnostically but calling.
- 2. Indian Cuckoo - 1 (H) general " do " " "
- 3. Indian Pitta - 1 (H) <sup>↑</sup> close <sup>↑</sup> 1st another bird not far from 4st, (min 150m) seen do
- 4. Indian Peafowl - 1 (H) general " do " "
- 5. Collared Scops Owl - 1 (H) " do " "
- 6. Savanna Nightjar - 1 (H) " do " "
- 7. Red Junglefowl - 1 (H) rather distant from hide CP, early AM, c.
- 8. Asian Paradise-flycatcher - ♂ <sup>↑</sup> another one later on white morph, c. hide CP, c.
- 9. Chestnut-tailed Starling - 2+ AM excursion to Khola, c. ≥ 2 in 100m radius of hide CP.
- 10. Total Mystery Bird - not seen but heard clearly at moderate-fairly close range giving a quick 'hoot..hoot' + 'hoot..hoot..hoot' calls; from forest; c. \* quite possibly white-browed Scimitar Babbler. If so, this record would be new elevational low for the sp. in Nepal; G. et al. '00: mainly 245-315m, cocks head & leans outward when calling.
- 11. Pale-footed Bush Warbler - 1 seen in fairly dense grass clumps, shooed by Dirga for good views while calling; eyebrow much less distinct/almost unnoticeable in front of eye; c. hide CP; c. (lores not pale either) conspicuous dark eye line.
- 12. Red-vented Bulbul - a pr. c. hide CP, c.
- 13. Black Francolin - 1 (H) v. close to " do " from quite tall grasses. unburnt
- 14. Blue-tailed Bee-eater - flock of 3 c. hide CP, early AM, c.
- 15. Eurasian Collared Dove - a pair... " do " " "
- 16. Jungle Myna - flock of 4 flying up dny Khola bed, vicinity hide CP;
- 17. Ashy Drongo - 1 across Khola bed in forest edge treetop, " do "
- 18. Fulvous-breasted Woodpecker - ♀ " do " " " (long call)
- 19. Alexandrine/Rose-ringed Parakeet - flocks of 4 & 5, " do " "
- 20. Plum-headed Parakeet - ♂ flying overhead/past hide CP, c.
- 21. White-throated Kingfisher - 1 perched Khola bed edge, c. " do "
- 22. Large Cuckooshrike - 1 c. hide CP, early AM, c.

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Additional records:

- #17) another H c. hide CP, early AM, c ; 1 past WYPT 84, <sup>c</sup> forest edge, Jamuniya Kh.
- #11) another w/ 1st seen 15-20m away, on rtn from AM walk, c hide CP, c ; a 3rd bird later (H) same area; 2nd bird (H) not seen; another (H) only <sup>c</sup> WYPT 84
- #9) ≥ 3 more c. hide CP, AM, c ; pair WYPT 89 → Bhata, c ;
- #16) pair flying into hide CP area treetops, c ;
- #13) another (H), c WYPT 83, c ; 1 (H) in Jamuniya Kh., c ;
- #22) 1 <sup>(see 2)</sup> over forest, NW hide CP in afternoon, c ;
- #11) cont.) another (H), Jamuniya Kh., c ; 1 (H) c. 1 km E of Bhata, c
- #2) 1 (H) past Jamuniya Kh., c ; 1 H along Jamuniya W bank, > 2 km <sup>NW of</sup> hide CP
- #23) 1 (H) WYPT 83 → 84, c ; 1 (H) past WYPT 84, c ;
- #33) 1 past WYPT 84, forest edge W bank Jamuniya Kh., c ;
- #25) 1 seen + H in forest tree <sup>along</sup> past Jamuniya Kh., ; 3 <sup>w/ rufous wing panels,</sup> Khats SE Bhata, c ;
- #21) 1 (H) → 2.5 km NW hide CP, along " do " " ; 1 E of Bhata, c
- #26) ♂ in forest treetops c. WYPT 87, c. ; ♀ c. 0.5 km W of WYPT 88, c
- #1) 1 (H) c. WYPT 87, c. ; 1 (H) WYPT 89 → Bhata, c ;
- #12) 3 c. 0.5 km W of WYPT 88, c ; 1 + 2 approach rest/lunchstop, c <sup>(WYPT 89)</sup>
- #38) 1 (H) c. 2 km " do " " ; 1 seen at WYPT 89, c ; 1 seen in Khata tree <sup>edge Bhata, c</sup>
- #39) 1 seen " do " " " ;
- #32) 1 (H) c. 1 km F of Bhata, c ;
- #30) ♂ w/ 1-2 other of this sp., c. 1 km E of Bhata, c ; ♂ farther on, c
- #42) ♂/♀ pair c. 1 km E of Bhata, c ;
- #8) white ♂ + ♀ " do " " " ;
- #4) ♂/♀ pair " do " " " ;
- #17) cont.) 1 <sup>white-bellied?</sup> E of rest/lunchstop, c <sup>(WYPT 89)</sup>
- #11) cont.) 1 + 1 (H) approach rest/lunchstop, c <sup>WYPT 89</sup>
- #35) 1 ♂ E of WYPT 89, <sup>late</sup> lunchstop, c ; 1 WYPT 89 → Bhata, c ;

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25 April 2003 Hide CP, Parsa WR, Parsa ( )  
Day 12 — Bhata, Parsa WR, Parsa ( )

- ? 23. Grey-breasted Prinia - 1 (H) <sup>Plain? (see #39)</sup> c. hide CP, early AM; <sup>(same add'l birds H during day!)</sup> c.
- 24. Spotted Dove - 1 not far from " do " "
- 25. Chestnut-shouldered Petronia - pr (♂/♀?) " do " "
- 26. Scarlet Minivet - ≥ 2 (H) in treetops . . . " do " "
- 27. Crested Serpent Eagle - 1 seen + H over Khola just past WYPT 83; <sup>c</sup>
- 28. <sup>[omitted]</sup> Shikra - 1 (H) c. hide CP; also H again <sup>(same bird?)</sup> c. Khola bed c. <sup>then seen preening;</sup> " do "
- 29. Large-billed Crow - flock of 14 over Khola bed just past WYPT 83, c.
- 30. <sup>[omitted]</sup> Oriental Magpie Robin - ♂ between hide CP + WYPT 83, c
- 31. Yellow-footed Green Pigeon - pr. c. Jamuniya Khola bed, c
- 32. Mystery Warbler/Bush Warbler - 1 (H) tickling tall grass " do " "
- 33. Rufous Treepie - 1 seen well in forest <sup>> 2 km from hide CP.</sup> past Jamuniya Kh., c.
- 34. Eurasian Golden Oriole - pair (sex?) <sup>(≥ 1 ♂)</sup> " do " "
- 35. White-bellied Drongo - 1 on nest c. WYPT 87, c.
- 36. Chestnut-headed Bee-eater - 1 just past WYPT 88, c
- ? 37. Greater Coucal? - 1 (H) " do " "
- 38. <sup>later in day seen</sup> Hinnested Barbet? - 1 (H) <sup>probably this sp. rather than #37, same site; 3 note, winding up 'poop-poop-poop' call.</sup>
- 39. Grey-breasted Prinia - 1 seen + H < 0.5 km past WYPT 88, c ; 1 <sup>is at end</sup> of call ;
- 40. Rose-ringed Parakeet - ♂? . . . c " do " " "
- 41. Bar-winged Flycatcher-shrike - ♂/♀ pr c. 1 km W of WYPT 88, c
- 42. <sup>[omitted]</sup> Chestnut-bellied Nuthatch - 1 (♀?) c. WYPT 88, c
- 43. Common Iora - 1 or 2 (H) 1-2 km W of " do " "
- 44. Mystery Raptor - Crested Goshawk? Eurasian Sparrowhawk? Besta? ; 1 over forest canopy 1-2 km W of WYPT 88, towards Bhata, c
- 45. Black Bulbul - 1 glimpsed approaching rest/lunchstop, c <sup>(WYPT 89)</sup>
- 46. Black-raped Monarch - 1 (H) " do " " "
- 47. Mystery Flameback - 1 (H) c. rest/lunchstop, c ; <sup>rapid, high-pitched call</sup>

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## Additional records:

- #2) 1 (H) WYPT 89 → Bhata, c ;  
 #20) ♀ seen " do " " " " ;  
 #31) 3 just E of Bhata over Khets, c ;  
 #14) scattered flock of ~~15-20~~ 25-30 over Khets SE of Bhata, c

Habitat: Mixed sāl & deciduous forest, quite open at Hide CP site, but fairly dense understorey of smaller trees, saplings, grass clumps, all without burning evident this year. Even a cycad in CP site vicinity; slash through sāl (mixed) to fireline track E-W of Bhata; some dense areas with thickets & tall grass, particularly near the track; <sup>small</sup> Churias to N perhaps creating wetter conditions but no water found; crossed several dry stoney khola beds, edged with good mixed sāl + other broadleaves near littoral; some burned patches but none c. WYPT 87, where uncut forest (as was condition over most of transect) mixed sāl; *Bauhinia* dominant in the understorey as a small tree & liana; good ground cover dominated by tall, patchy grasses. Taller & denser mixed sāl forest from fireline track to Bhata outskirts. Mostly mixed sāl broadleaf (evergreen?) along & in immediate vicinity of Sukaura Khola; perennial (?) stream 4-7m wide, shallow but > 1/2m water in deeper bends.

Cultivation to SE of Bhata mostly fallow (stubble + short forbs) being plowed + irrigated for rice planting. Some corn c. village; thickets + broadleaf trees on bunds between Khets.

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25 April 2003 Hide CP, Parsa WR, Parsa ( )  
 Day 12 — Bhata, Parsa WR, Parsa ( )

48. Red-wattled lapwing — 1+4 in Khets E of Bhata, c  
 49. Eurasian Cuckoo — 1 (H) from forest c. Bhata, c  
 50. Eurasian Thick-knee — 1 probably 2, seen well in fallow Khets, SE periphery of Bhata, c. (some plowed, some not)  
 51. Rufous-winged Bushlark — 1 seen from a distance, & H with drawn out buzzy call, over Khets SE of Bhata, c  
 52. [Large-tailed Nightjar] — 1 (H) after twilight, opposite river, Bhata  
 53. [Savannah Nightjar] — 1 (H) over river, post twilight, Wedge Bhata, "

Route:

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GPS Coordinates:

Elev. (m)

- Bhata dharmasala, Parsa WR: 27° 18.734' N 84° 46.607' E (212)
- WYPT 91 (endpt. ATM bird walk): 27° 18.891' N 84° 46.807' E (203)
- WYPT 92 (E bank Bhata Nadi; dioxin change): 27° 18.827' N 84° 47.176' E (228)
- WYPT 93 (E-most pt. Bhata Kh. side trib.):
- WYPT 94 (forest stream W bank Bhata Nadi):
- LUNJ 6 (lunch stop W bank Bhata Nadi):
- WYPT 95 (confluence Bhata Nadi/Meguwa Kh.):
- WYPT 96 (meander bend, Meguwa Khola):
- WYPT 97 (meander bend, Meguwa Khola):
- CP 3 (Meguwa Kh. littoral CP site):

Weather: Partly cloudy + hazy in early AM; mostly overcaste with cumulus build-ups from forest understory firs c. mid-day. Hazy and very hot (mid-upper 90s) in afternoon; somewhat breezy but diminishing late afternoon/evening; hazy + clear at dusk. Lightning in distance c. twilight. (94°F at 14h30 at lunchstop) + that beside flowing water.

Breeding record:

(#2) Bar-winged Flycatcher-shrike - ♂ feeding <sup>(lacewing?)</sup> mayfly-like insect to very recently fledged young; short, rubby tail, immobile; just S of lunchstop in side-forest edge, W bank Bhata Nadi, c. 265m.

Effort: 05h<sup>45</sup>30 - 06h45 (obs's c. dharmasala) 1.00  
 06h45 - 07h30 (birdwalk to WYPT 91 + back) 0.75  
 09h30 - 14h30 (late AM march + c. lunchstop) 5.00  
 15h00 - 18h40 (late afternoon march) 3.67  
 Σ = 10.42 hr.

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26 April 2003 Bhata, Parsa WR, Parsa ( )  
 Day 13 — CP3, Meguwa Kh. littoral, Parsa WR ( )

- River Lapwing - a pair in riverbed Wedge Bhata,
- Jungle Babbler - ≥ 2 on hill above dharmasala, c. ; early AM.
- Blue-tailed Bee-eater - ≥ 1 (H) c. " do " " "
- ? Green(?) Sandpiper - 1 in flt over side stream, edge of Bhata, "
- Red-wattled Lapwing - pr. in ± same area as #1, c.
- Indian Cuckoo - 1 (H) <sup>← 1 later seen; see pg. 59</sup> from scrub forest above dharmasala, c.
- Indian Peafowl - 1 (H) " do " " " "
- Red Junglefowl - 1 (H) <sup>← " 1 later seen; see pg. 59.</sup> " do " " "
- Eurasian Dove - 1 flying across river, W edge of Bhata, c. <sup>(seen perched)</sup>
- White-browed Wagtail - 1 seen perched singing, river bed ↑ "
- Common Tailorbird - 1 (H) <sup>+ 1 (H) from Bhata village veg.</sup> forest edge N of Bhata, c.
- Linnated Barbet - 1 (H) c. Bhata, then to N; c.
- Black Ibis - a pair in short marshy grass + shingle, N of Bhata, c.
- White-throated Kingfisher - 1 perched over side stream, " do "
- Indian Roller - 1 flying over Khola N of Bhata, c.
- Chestnut-tailed Starling - flock of 6 " do " "
- Common Hawk Cuckoo - 1 (H) N of Bhata, c.
- Eurasian Cuckoo - 1 (H) from base of Churias, N Bhata, c.
- Drongo Cuckoo - 1 (H) from side stream forest, N of Bhata, c.
- Red-vented Bulbul - 1 c. WYPT 92, N of Bhata, c.
- Red-whiskered Bulbul - 1 " do " " "
- White-rumped Shama - ♂ (H) <sup>← later a ♀ seen; see pg. 59.</sup> past WYPT 92, Bhata Kh., c.
- Large Cuckooshrike - ♂ E bank Khola on departure, c.
- Mystery Flameback - distant view, silent, " do " "
- <sup>Committed?</sup> Common Kingfisher - 1 on rth from ATM birdwalk, approach Bhata.

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Additional records:

- #8) 1 (H) past WYPT 92, Bhata Khola, c. ; 1 ♂ seen Bhata Nadi edge. grassy
- #11) 1 (H) c. WYPT 93, Bhata Kh., c. 235m;
- #22) ♀ seen " do " " " ;
- #23) 2 whitemorph ♂♂ chasing ea. other, near site of prob. ♀, c. WYPT 93, Bhata Kh. c. 235m
- #21) 1 c. WYPT 93, Bhata Kh., c. 235m; 1 drinking in lower Meguwa Khola, c. 300m.
- #12) 1 (H) N ♀ " do " " " ; 1 (H) along W bank Bhata Nadi, c. 250m.
- #6) 1 seen in open forest edge Bhata Nadi, N of WYPT 93, c. 240m; c. WYPT 94, c. 260m. large white spots on tail dorsally; silent. (prob. it farther on) 1 (H) + 1 (H) (prob. bird?)
- #20) 7 or 8, forest edge, Bhata Nadi, c. 240m; 1 approach. lunchstop, c. 260m.
- #15) 1 over Bhata Nadi, c. 250m; another 1 further on, c. 260m; c. WYPT 94
- #23) 1 (Sex?) W bank " do " " ; 1 (H) approach. lunchstop, c. 260m;
- #39) 3 ♂♂ + 1 ♀ over Bhata Nadi island, c. 250m; 1 ♀ + 2 ♂♂ approach. lunchstop, c. 260m.
- #33) 1 + 1 (H) along W bank Bhata Nadi, " ;
- #19) 1 (H) c. WYPT 94, W bank " do c. 260m; 1 (H) approach. c. 300m.
- #5) pr. WYPT 94 → LUN 56, W bank Bhata " ;
- #14) 1 (H) approaching lunchstop, " do " " ; 1 (H) N of lunchstop → Meguwa Khola. c. 285m
- #16) pr. approaching " do " " " ; 4 S of Bhata/Meguwa confluence c. 290m
- #35) pr " do " " " " " ;
- #37) ♂ feeding fledgling, " do " " ;
- #18) 1 (H) c. Bhata Nadi/Meguwa Kh. jct, c. 285m;
- #53) 1 c. " do " " " " " ;
- #1) pr. c. " do " " " " ; 1 more in lower Meguwa Kh., c. 290m
- #14 cont.) 1 seen c. Bhata Nadi/Meguwa confluence; c. 290m
- #3) 5 flying in Meguwa to Bhata confluence; c. 290m
- #7) 1 (H) lower Meguwa Kh. forest edge, c. 300m;
- #50) 1 seen " do " littoral, c. 295m;
- #8 cont.) 1 (H) c. Bhata Nadi/Meguwa Kh. confluence, c. 285m;

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26 April 2003 Bhata, Parsa WR, Parsa ( )  
Day 13 — CP3, Meguwa Kh. littoral, Parsa WR ( )

- #26) Blue-eared Kingfisher- 1 seen briefly on perch above Bhata Khola, ENE of Bhata village; in very shady small stream, dense non-sal veg. adult (spindly snag) (bill as in G. et al. '00)  
G. et al. '00: 'FC at Chitwan; rare elsewhere'; c. 235m; base of Churia hill.
- 27. Black-naped Monarch- family group, farther along Bhata Kh., c. 235m. ≥4: ad ♂; imm ♂; 2 ♀♀: ad ♂ agitated, flicking wings.
- 28. Asian Paradise-Flycatcher- ♀ or imm rufous morph ♂, " do "
- 29. White-throated Fantail- 1 seen along Bhata Kh., ENE of village, " "
- 30. Crested Serpent Eagle- 1 (H) to N over main, dry Bhata Nadi, c. 250m
- 31. Puff-throated Babbler- flock of 5, c. WYPT 93, Bhata Kh., c. 235m
- 32. Pale-chinned Flycatcher- 1 in understory, " do " " "
- 33. Grey-breasted Prinia- 1 (H) in thin " + grass, N of WYPT 93, c. 240m.
- 34. Mystery Nuthatch- limb-thrust (prob. velvet-fronted or chestnut-bellied) pr. seen in poor light, c. WYPT 93, Bhata Kh., c. 235m
- 35. Dollarbird- 1 in treetop, noon, edge Bhata, c. 240m.
- 36. Himalayan Bulbul- ≥1, fairly dense forest edge, " do " "
- 37. Bar-winged Flycatcher-shrike- ≥1 (♀) glade edge " do " " "
- 38. Mystery Raptor- (long call) Oriental Honey-buzzard? Crested Goshawk? under parts not seen well large gray, barred tail, wide-winged, over Bhata Nadi, c. 250m
- 39. Plum-headed Parakeet- ≥1 ♂ flying over/ across Bhata Nadi, c. 250m.
- 40. Oriental Magpie Robin- 1 ♂ seen singing, Bhata Nadi island, c. 250m.
- 41. Black? Drongo- 1 flying across Bhata Nadi, c. 255m; possibly Ashy, but larger(?) + shinier?
- 42. Chestnut-shouldered Petronia- pr. (Sex?) W edge Bhata Nadi, c. 255m
- 43. Black-hooded Oriole- 1 (H) forest edge approaching lunchstop, " do " c. 260m.
- 44. Common Woodshrike- a ♀ " do (white sides of tail + diffuse eyebrow)
- 45. Brown-capped Pygmy Woodpecker- 1 " do " (no barring on tail)
- 46. Black Bulbul- 2 or 3 approaching lunchstop, " do " "
- 47. Scarlet Minivet- ♀ approaching lunchstop, " do " "
- 48. Mystery Phylloscopus warbler- 1 poorly seen " do " " (in all likelihood same bird as #38) c. 285m
- 49. Oriental Honey-buzzard- 1 circling overhead, lunchstop, Bhata Nadi.
- 50. White-browed Wagtail- 1 island edge, c. lunchstop, Bhata Nadi, c. 280m.



(61)

Additional records:

#5b) pr. along Meguwa littoral, c. CP site, c. 300m at twilight.

Habitat:

Mammal sighting:

Jackal (*Canis aureus*) - pair crossing Khola bed above lunchstop, c. 285m. Quite wary, keeping distance + very observant.

26 April 2003 Bhata, Parsa WR, Parsa ( ) (62)  
Day 13 - CP3, Meguwa Kh. littoral, Parsa WR ( )

[omitted]

- 51. Large Woodshrike - ♀ just before lunchstop, c. 280m. <sup>forest edge, Bhata Nadi.</sup>
- (52) Collared Falconet - 1 flying into tree, lunchstop, " do " "
- 53. Common Myna - pr. at water's edge, below " do " " "
- 54. Red Collared Dove - ♂ flying downriver from Bhata/Meguwa confluence. <sup>c. 285m.</sup>
- 55. Spotted Dove - pair drinking, water's edge, ... " do " " "
- 56. Black backed Forktail - 1 in side channel, lower Meguwa Kh. <sup>c. 295m.</sup>
- 57. Chestnut-headed Bee-eater - 1+3 in lower Meguwa at dusk, c. 300m.
- 58. Grey Wagtail - 3 (1 in transition, 1 adult breeding, 1 immature), c. first bend/meander of Meguwa Kh., at dusk; c. 300m.
- 59. Mystery Swift - ≥ 1 approaching Meguwa Kh. CP, c. 300m.
- 60. Jungle Myna - pair at dusk → twilight, ↑ " do " "
- (61) Brown Fish Owl - 1 flying out to perch at twilight, c. 300m. <sup>c. Meguwa Kh. CP site; perch commands excellent view.</sup>
- 62. Large-tailed Nightjar - 1 (H) c. Meguwa Kh. CP site, c. 300m.
- (63) <sup>[omitted]</sup> Chestnut-winged Cuckoo - 1 (H) 3-4 km N of Bhata, distinctive call emitting from dense mixed sal forest inside E bank Bhata Khola; c. base Churias G. et al. '00: "very local summer visitor"; possibly 1 of same birds seen next day? but not distance of 4-5 km (!); c. 275m.

63

27 April 2003 CP3, Meguwa Khola littoral ( )  
Day 14 CP4, Meguwa Kh./trib. confluence, Parsa WR

64

GPS Coordinates:

Elev. (m)

- CP3, Meguwa Kh. littoral: 27° 22.681'N 84° 47.350'E (277)
- CHURPK (pk climbed near CP): 27° 22.448'N 84° 47.555'E (419)
- WYPT 98 (down A; path to peak from Meguwa): 27° 22.564'N 84° 47.287'E (317)
- WYPT 99 (endpt. AM bird walk): 27° 22.676'N 84° 47.435'E (309)
- WYPT 100 (end 2nd meander from CP3): 27° 22.823'N 84° 47.433'E (309)
- WYPT 101: 27° 23.304'N 84° 47.769'E (319)
- WYPT 7 (lunch stop past split of Meguwa): 27° 23.490'N 84° 47.545'E (342)
- WYPT 102: 27° 23.924'N 84° 47.348'E (356)
- CP4 (confluence Meguwa Kh./trib.): 27° 24.986'N 84° 47.401'E (425)

Weather: Pre-dawn windstorm with rain; cool at dawn; damp from rain (& dew?); 68°F at 06h00; clear + calm; at c. 09h30, high clouds forming; mostly hi overcast by 10h00; dark, towering cumulus build-ups from W moving in with wind + rain; actually, a thunderstorm; clear in afternoon, only 92°F 14h30-15h30 + not very hazy. Rain in middle of night, not v. heavy or for very long. Another bout of rain c. 05h00.

Effort: 05h30 → 07h15 (AM birdwatch c. CP3) 1.75  
 07h45 → 11h30 (Churia peak excursion) 3.75  
 11h45 → 14h45 (mid-day march) 3.00  
 15h15 → 18h45 (late afternoon march) 3.50  
 Σ = 11.00 hr.

- 1. Large-tailed Nightjar - 1 (H) c. CP3, c. dawn, c. 290m and again as late as 05h50.
- 2. Plum-headed Parakeet - pr, ♂ seen clearly, c. CP3, early AM; c. 300m
- 3. Oriental Magpie Robin - ♂ H, ♀ seen " do " " "
- 4. Red-vented Bulbul - 1 c. CP3, 1st bend upstream, c. 295m
- 5. Common Kingfisher - 1 flying down Meguwa Khola, c. 290m
- 6. Black Bulbul - flock of 3, first upstream meander, "do", c. 295m above CP3
- 7. White-rumped Needletail? - 3 or 4 " do " " " size smaller than #10; appeared to have small notch in tail, but unsure
- 8. Chestnut-headed Bee-eater - pr, in treetop, meander above CP3, c. 300m leafless
- 9. Red-breasted Parakeet - 3+2=5, loose flock, flying over CP3, c. 290m
- 10. Alpine Swift - loose flock (5-7?) over Meguwa Kh + cliffs, c. 300m
- 11. Greater Yellow-nape - ♀ seen well, tree top c. CP3, Meguwa Kh., c. 310m
- 12. Scarlet Minivet - ♂ c. CP3, Meguwa Khola, c. 300m
- 13. Grey Wagtail - 1 c. CP3 " do " c. 290m
- 14. Indian Cuckoo - 1 (H) c. CP3, " do " " " later seen; see pg. 65. possibly same bird seen perched silently earlier in AM.
- 15. Chestnut-tailed Starling - 1 c. CP3, Meguwa Kh., c. 300m
- 16. Ashy Drongo - 1 in tree c. " do " c. 300m
- 17. Drongo Cuckoo - 1 (H), possibly seen, with #16?/same site, CP3, c. 300m
- 18. Dollarbird - 1 over CP3, Meguwa Khola, c. 300m
- 19. Velvet-fronted Nuthatch - 1 (carrying?), CP3 → Churia peak, c. 300m
- 20. Great Tit - 1 off Meguwa Kh. in mixed sal/deciduous forest, c. 300m
- 21. Thick-billed Green Pigeon - a ♂ nest building " do " \* G. et al. '00: " Scare + local resident, WC E-ward"; G. et al. '98: no data on nest, but " nests in a small tree or bamboo clump".
- 22. Black-chinned Babbler - ≥ 1 NE CP3 in forest understorey, c. 320m
- 23. Bar-winged Flycatcher-shrike - ≥ 1 (sex?) " do " " "

65

Additional records:

- #2) c. 40 <sup>(c. 25 or)</sup> on sandstone cliff c. CP3, early AT1, c. <sup>seen undiagnostically + H,</sup> ; 1 <sup>above grazing CP, c. CP4, c. 360m</sup> <sup>then seen</sup>
- #3) ♂ seen singing CP3 → Chunia PK, c. 320m; 1 (H) c. WYPT 100, c. 310m;
- #6) pair CP3 → Chunia PK, c. 320m; pair past WYPT 100, along Meguwa, c. 330m.
- #12) ♂ c. Chunia PK base, NE CP3, c. 330m;
- #18) pr. (one from AT1?) c. " do " 325-340m; 1 at split of Meguwa, c. 330m;
- #15) pair " do " ?, NE CP3, c. 300m; pair past lunchstop, c. 340m;
- #30) 1 (H) approaching lunchstop, c. 330m;
- #16) pair, Meguwa Kh. forest edge, c. lunchstop, c. 340m;
- #6 cont.) pair, " do " " " ; pair approach CP4, c. 360m.
- #14) 1 seen calling at lunchstop, c. 340m; 1 (H) c. dusk, upper Meguwa, c. 350-60m
- #12) ♂ in cliff trees, lunchstop, c. 360m;
- #17) 1 (H) c. lunchstop, c. 345m;
- #24) 1 (H) " do " " " ;
- #30) 1 (H) " do " " " ;
- #27) 1 (H) " do " " " ;

#23) ? Red-billed Blue Magpie — found by Rajan; <sup>4.5m ground to nest; nest cup rim 8x12cm; depth 8cm</sup> <sup>(inner, outer = 26x24cm)</sup> <sup>meas'd by Dirga, in open</sup>  
 sub-canopy of mixed sal forest; rim of cup to nest bottom = 12 cm; consistent with  
 nest descript by G. et al. '98; eggs shown by Rajan + viewed by me thru binox: sea-green  
 background, blotched w/ brown, most densely at large end of egg  
 site is near Meguwa Kh. camp, c. 300m.

Breeding records:

#22) Thick-billed Green Pigeon — a ♂ busily nest building in a leafy straight  
 stemmed broadleaf tree in mixed sal/deciduous forest N of CP3, off Meguwa Kh.  
 c. 310m; bird picking off 4-6" pieces of limbs (actually, twigs) growing off branch  
 nodes of adjacent tree + carrying to nest; forays every 10-12 sec; not wary.  
 nest in a non-sal, very leafy broadleaf tree; top cut, new growth from topmost pt,  
 several small branches, where nest located; leafy clump of a site, <sup>nest</sup> about 1/3 finished;  
 c. 17m above the ground (as estimated by Dirga, climbing to inspect nest).

66

27 April 2003 CP3, Meguwa Kh., Parsa WR, ( ) <sup>(425m)</sup>  
 Day 14 — CP4, Meguwa Kh., Trib. confluence, Parsa WR

- 24. Spotted Dove — 1 in canopy, seen from pk climb, NE CP3, c. 35m.
- 25. Crested Treeswift — 1 over Chunia peak, NE CP3, c. 420-430m.
- 26. Oriental Honey-buzzard — 1 c. #21 trees & higher, c. 310-350m. <sup>(dark morph)</sup>
- 27) Chestnut-winged Cuckoo — a pair, at times in chase, c. forest patch  
 NE of CP3; quite shy but vocal; G. et al. '00: "very local summer visitor"; c. 310m
- 28. Black-naped Monarch — 2♂♂ + 1♀ in chase, c. WYPT 99, edge Meguwa Kh. <sup>c. 300m</sup>
- 29. Common Iora — 1 (H) <sup>(drawn-out)</sup> <sup>(dble note call)</sup> upstream from ↑ " , c. 310m.
- 30. Blue-throated Barbet — 1 (H) <sup>+ 1 (H)</sup> off to side of Meguwa, c. WYPT 100, c. 315m
- 31. Large Woodshrike — ♀ (+ ♂?) c. CP3, Meguwa edge forest, c. 290m. <sup>[omitted]</sup>
- ? 32. Blue-throated Flycatcher? — 1 (H) <sup>2 meanders from WYPT 100</sup> in dense understory, " do " , c. 310m.
- 33. Indian Pitta — 1 (H) off side of Meguwa Kh., past WYPT 100, c. 330m.
- 34. White-throated Kingfisher — 1 at split of Meguwa Khola, c. 330m.
- 35. Black-hooded Oriole — 1 (H) past... " do " " , approach lunchstop, <sup>c.</sup> 330m.
- 36. Black-rumped Flameback — ♂ in flt. " do " " " " <sup>+ ♀</sup>
- 37. Grey-fronted Woodpecker — ♂ in flt. " do " " " " <sup>undulating? #36 more direct</sup>
- 38. Grey-capped Pygmy Woodpecker — 1 (sex?) descending Chunia peak at c. 325m. <sup>[omitted]</sup>
- 39. Lineated Barbet — 1 (H) c. lunchstop, c. 345m.
- 40. Large Cuckooshrike — 1 " do " " " "
- 41. <sup>[omitted]</sup> Green Sandpiper — 1 flushed c. split of Meguwa Khola, c. 330m.
- 42. Yellow-footed Green Pigeon — 1 flushed past lunchstop, c. 345m.
- 43. Blue-tailed Bee-eater — ≥ 2 past lunchstop, c. over Meguwa cliffs, <sup>c.</sup> 350m.
- 44. Hill Myna — pair <sup>noisy</sup> eating fruit, large tree, upper Meguwa Kh., c. 350m.
- 45. Fulvous-breasted Woodpecker — ♂ past lunchstop, ↑ " do " " "
- 46. Orange-headed Thrush — pr. in chase (sexes?), c. <sup>below CP4</sup> grazing settlement, c. 360m
- 47. Crested Serpent Eagle — great views of 1 in tree, stream confluence, <sup>(= CP4?)</sup> c. 425m.  
 mobbed vigorously by a #31♂ + less so by a #6.

(67)

(68)

27 April 2003 CP3, Meguwa Kh., Parsa WR (425m)  
 Day 14 CP4, Meguwa Kh./trib. confluence, Parsa WR

## Additional records:

#34) 1+1 (H) c. lunchstop, upper Meguwa Kh., c. 340m; <sup>(probably 1 of former 1+1)</sup> 1 seen further on, c. 350m

#35) 1 (H) " do " " " " " ;

#8) 1 past lunchstop, c. 345m ;

#40) ♀ flew from #44's tree, upper Meguwa, c. 345m ;

#3 cont.) ♂ seen hi in simal, " do " " ;

#4) 1 approaching CP4, upper Meguwa, c. 360m ;

#34 cont.) 1 seen " do " " " " ;

#6 cont.) pair c. grazing settlement, below CP4, c. 360m ; 1 mobbing #47, <sup>c. 425m</sup> confluence

#19 cont.) 1 " do " " " " " ;

#3) ♂ mobbing #47, c. stream confluence, c. 425m ;

#1) 1 (H) c. CP4, <sup>upper</sup> Meguwa confluence, c. 420-435m ;

at confluence of streams; upper Meguwa Khola.

48. Streaked Spiderhunter - 1 seen calling, dusk → twilight c. CP4, c. 430m.

49. [Collared Owlet] - 1 (H) vicinity CP4 at stream confluence, c. 420-440m.  
 Heard clearly. New elevational low for Nepal, previously 610m (G. et al. '00)  
 Found as low as 300m in Bhutan (G. et al. '98; G. et al. '99). Calling at twilight  
 from mixed broadleaf (sal dominant), possibly upslope a bit, when pine a co-dominant.

50. [Oriental Scops Owl] - 1 (H) vicinity CP4, c. 430-450m.

51. [Brown Fish Owl] - 1 (H) across stream (actually, rivulet) from CP4,  
 emanating from forest edge/littoral. Gave jackal-like yell/shriek, then a  
 hoop, hoop, oo...-like call; Durga + others startled + tried to locate with  
 flashlights, but nothing seen or further heard. Water v. shallow, thin ribbon.  
 Habitat suitable for this species?? loud call; c. 430m. c. 9 PM.  
 A pair seen upstream c. 0.5 km from CP4 next Atl.

## Route:

Habitat: Intact + unburned mixed sal forest, fairly open  
 c. CP3. Deciduous element most prominent in flats + riverine,  
 including simal *Bombax malabaricum* & 'bur dangro', almost  
 leafless, but budding. Grassy understorey with some grazed littoral.  
 Climbed Churia peak recently burned + mostly devoid of veg. other  
 than grass stubble. Further up Meguwa Kh: more woodland in char-  
 acter, with tall mostly dry grass + bushes/thicket in understorey. Into  
 hills that border Meguwa, forest more dense + moist, with add'l riverine  
 broadleaves, lianas. Hillsides with sal + pine (*Pinus roxburghii*), open  
 with scant understorey of grass, almost everywhere burnt to brown stubble.  
 Further into Churias where streambed narrows, hills taller, riverine  
 broadleaf (non-sal) forest; more spp. including simal, lianas, epiphytes

Habitat (cont.): and an increasing component of wild banana  
 Patches of 30-40 c. evening Cl opposite tributary confluence.  
 Canopy of mixed broadleaf riverine forest more dense; <sup>fewer</sup> trees  
 in understorey, but fairly dense herbaceous veg. Still many decidu-  
 ous trees in this forest type, as well as dense bushes. Many lianas.

GPS Coordinates:

Elev. (m)

CP4, confl. Meguwa Kh./trib.:	27° 24.986' N 84° 47.401' E	(425)
WYPT 103 (farthest pt. upstream, AM bird walk):	27° 25.305' N 84° 47.485' E	(445)
WYPT 104 (jct rivulet + upper Meguwa branch):	27° 25.217' N 84° 47.516' E	(438)
WYPT 105 (endpt. up rivulet off Meguwa):	27° 25.320' N 84° 47.633' E	(450)
LUNS 8 (lunch stop at confluence small dry trib.):	27° 25.841' N 84° 46.962' E (inaccurate)	(412)
WYPT 106 (Churia crest, headwaters Parsa WR Meguwa):	27° 26.082' N 84° 47.064' E	(674)
CP5 (tented CP on Churia crest, Meguwa headwaters):	27° 26.084' N 84° 47.067' E	(676)

Weather: Partly cloudy c. dawn. Sun fairly late to illuminate CP site area, but mostly in sun by 08h30; sunny + calm into afternoon; hazy in late afternoon + c. dusk; buildups in distance at twilight. Light breeze atop Churia crest; hot & humid (despite elev. gain).

Breeding record

- #24 long-tailed Broadbill - 1 carrying a piece of dried vine, d ≈ candlewick, & half of which in corkscrew shape; in dense leafy tree side rivulet/ravine w/ water, upstream from CP4, Meguwa Kh. main branch, c. 440m.
- #25 Chestnut-tailed Starling - a pair in a nesting hole 1b-17m above ground in a dead-topped (but live tree) 'paras' tree c. CP4, c. 440m; 1 bird seen carrying a piece of leaf into hole; nest building; also carrying a feather (grey & white banded)

Effort:

05h30 - 09h45 (AM bird walk + c. CP4)	4.25
10h45 - 14h30 (late AM - lunch march)	3.75
15h00 - 18h45 (late afternoon march)	3.75

Σ = 11.75

28 April 2003 CP4, Meguwa Kh./trib. confl., Parsa WR (425m)  
Day 15 CP5, Churia Crest, Parsa WR (674m).

- 1. Black-backed Forktail - pair in dense, steep gully of a tributary, c. 430m off Meguwa Kh E bank.
- 2. Chestnut-tailed Starling - ≥ 4 up main channel from CP4, c. 430m.
- 3. Blue-throated Barbet - 1 (H)... " do " " " "
- 4. Black Bulbul - pair flying across " do " " "
- 5. Scarlet Minivet - ♀/♂ pr canopy edge " do " " "
- 6. Mystery Green Pigeon - pr. in ravine treetop; not seen well; maroon mantle all underparts washed yellow with an orangey (or rufous) wash to breast. back mostly dk grey-green but mantle w/ rufous; Wedge-tailed " much lower than reported by G. et al. '00: "mainly 1500-2000 (-2800m)"; too much maroon to be Pompadour? upstream from CP4, off inside ravine, poor light; c. 440m.
- 7. White-throated Kingfisher - 1 seen upstream edge from CP4, c. 435m.
- 8. Dollarbird - 1 flying overhead, upstream from CP4, c. 440-450m. then as a pair, same site, harassing #10.
- 9. Streaked Spiderhunter - 1 in bushes (bananas?) " c. 435m
- 10. Hill Myna - 3 in a tree, upstream main branch from CP4, c. 435m.
- 11. Long-tailed Broadbill - 1 bird carrying nest material; " do c. 440m. G. et al. '00: "scarce resident"
- 12. Striated Pinia - 1 (H) calling from grassy pine-sal slope " do c. 460m
- 13. Orange-headed Thrush - ♂(?) in watered ravine, off main Meguwa, c. 435m. up from CP4.
- 14. Oriental Magpie Robin - ♀ in Hibiscus trees; ♂ later seen same area, w/ 2nd ♂. edge of Meguwa main branch, c. 435m.
- 15. Brown Fish Owl - a pair seen, upstream along " do c. 435-440m. silent
- 16. Black-hooded Oriole - 1 (H) calling from Meguwa edge forest, c. 440m. up from CP4.
- 17. Plum-headed Parakeet - ♂ flying over Meguwa, up from CP4, c. 440m.
- 18. Red-breasted Parakeet - 5 or 6 " do " " " "
- 19. Crimson Sunbird - ♂ flying over Meguwa main branch, up from CP4, c. 435m.
- 20. Collared Owllet - 1 (H) calling from slopes above + upstream " do, c. 500-530m. (again, below reported in in. alt.)
- 21. Fulvous-breasted Woodpecker - ♂ seen well, upstream from CP4, c. 440m.
- 22. Mystery Raptor - f. large, broad wings, pale below, rufous(?) tail, 2-toned rufous + pale underwing lacking patches; pale head but reddish-brown on nape, pale back; upstream from CP4, c. 435m; perched in a pine tree top.

(71)

(Additional records: later in AM c. WYPT 105, a pair seen, c. 450m

- c #9) another, making possible pr, same vicinity as 1st bird earlier, c. CP4, c. 430m
- w #12) 1(H) c. 480m, c. rivulet/WYPT 105; 1 <sup>(H)</sup> up side trib. past CP4, c. 450m.
- w #5) 2 ♂♂ c. CP4 later AM, in chase, c. 435m;
- w #7) confiding pr up side trib. from CP4, c. 435m;
- l #4) ≥ 1 up side trib. past CP4, c. 450-470m; 2 (pr?) up side trib from CP4, c. 500m.
- v #31) ≥ 1 " do " " " " " ;
- (#1b) 1(H) " do " " " " c. 480m;
- #38) 1(H) " do " " " " " ;
- #12 cont.) 1(H) up side trib. past CP4, c. 500m;
- #13) ♂(?) up side trib. from CP4, c. 500m;
- #34) small flock (H) <sup>then seen 23.</sup> " do " " " ; flock (H) <sup>- 1 later seen.</sup> ascending crest, c. 550m;
- #35) 1 seen up side trib. c. lunchstop, c. 500m;
- #9 cont.) 1... " do approach ↑ " ;
- #2) pr. nesting c. CPS, c. 675m;

#28) Chestnut-tailed Starling - pair nesting hi up a pine at CPS. One bird seen carrying a twig into nesting hole; sal tree, c. 12 m above ground. nest hole in old branch node of trunk; c. 680m. Stem too big for Dirga to climb.

#27) Long-tailed Nightjar - a bird flushed from its scrape of a nest on Churia crest, v. close to WYPT 106/CPS; c. 675m. Nest with 2 eggs photoid. bird seen well perched in ll with pine limb; flushed on close approach; silent returned during the night; seen by Jitan on nest early AM next morning

Breeding records (cont.):

#26) Black-naped Monarch - ♀ seen carrying a thin strand of green moss, up side trib.; moments later seen in chase with ♂, which seemed to be scolding (or warning?) ♀; c. 450-460m; side trib. of upper Meguwa Khola, Parsa WR.

(72)

28 April 2003 CP4, Meguwa Kh./trib. confl., Parsa WR (425m)  
Day 15 - CPS, Churia Crest, Parsa WR (674m)

- 23. Crested Treeswift - pr mobbing #12, upstream of CP4, c. 440m.
- 24. Common Kingfisher - 1 on perches in stream above " do " 435m.
- 25. Crested Serpent Eagle - 1 above c. CP4, c. 430-440m.
- 26. Ashy Bulbul - pr. in tussling chase, upstream of CP4, c. 435m.
- 27. Emerald Dove - 1 flying past/dnstream, ↑ " do " " "
- 28. White-browed Scimitar Babbler - a pair, upstream of CP4, c. 430m.
- 29. Eurasian Cuckoo - 1(H) distant (driven? upriver?) <sup>above CP4,</sup> c. 350-500m.
- 30. Indian Cuckoo - 1(H) upstream a bit from CP4, c. 475-480m.
- 31. Blue-throated Barbet - 1 seen + 2 H upstream, c. WYPT 103, c. 450m.
- ?32. lesser (?) Yellownape - ♀?, c. WYPT 105 upper rivulet, c. 460m.
- 33. Golden-fronted leafbird - 1 seen c. confl. rivulet + WYPT 104 c. 450m. <sup>(H) but another flock seen later; see pg. 71. c. 450-500m</sup>
- 34. White-crested laughingthrush - small flock up above/off WYPT 104 <sup>c. 450-500m</sup>
- 35. Common Tailorbird - 1 seen + 1 H in ♀ c. bananas ax from CP4, c. 425m.
- 36. Drongo Cuckoo - 1 seen + H c. CP4, c. 430m.
- 37. Red-headed Trogon - 1 glimpsed & then confirmed impressively by Dirga. <sup>seen flying through mid-story of riverine evergreen broadleaf forest upstream from CP4, c. 435m. G. et al '00: "local and uncommon"</sup>
- 38. Chestnut-bellied Nuthatch - H, then seen by DSR, c. CP4, c. 435m.
- 39. Common Iora - 1(H) c. CP4 up stream off main channel, c. 480m.
- 40. Grey-bellied Cuckoo - 1(H) from sal & pine <sup>(open forest)</sup> up trib. past CP4, c. 480m.
- 41. Black-naped Monarch - ♀ carrying nest material, up side trib past CP4, c. 500m. <sup>\* new alt. max for NP, previously "below 365m" c. 450-</sup>
- ?42. Bronzed Drongo - 1 seen <sup>fairly side</sup> well up trib, dry bed, past CP4, c. 480m. <sup>light spangling on breast!</sup>
- 43. Ashy Drongo - 1, probably 2 " do " " "
- 44. Greater Yellownape - ♀? <sup>(could not discern throat)</sup> " do " " c. 500m.
- 45. Bar-winged Flycatcher-shrike - ♂/♀ pr. c. lunchstop, c. 520m.
- 46. Large-tailed Nightjar - 1 flushed into pine tree at WYPT 106/CPS, c. 675m.

(73)

l

c

u Habitat:

h

h

l

l

Route:

l

l

28 April 2003 CP4, Meguwa Kh./trib. confluence (425m) (74)  
Day 15 - CPS, Churia crest, Parsa WR (674m)

(47) Great Hornbill - I glimpsed well in distance, moving through open canopy, then into denser foliage. Large size + distinctive black/white pattern; calling as it flew downriver, waded to E; loud, guttural honking; wretched 'V'; c. 680 → 500 m. 1st record for Parsa WR.  
G. et al. '00: "uncommon at Chitwan, rare elsewhere... below 250m."  
∴ this record possibly new maximum elev. for species in Nepal

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GPS Coordinates:

Elev (m)

- CPS (tented CP on Churia crest, Meguwa Khola headwaters): 27°26.084'N 84°47.067'E (674)
- WYPT 107 (A749 on top map): 27°26.200'N 84°47.089'E (725)
- WYPT 108 (crest pt. for navigation?): 27°26.095'N 84°46.815'E (681)
- WYPT 109 (crest pt. for navigation?): 27°26.179'N 84°46.742'E (684)
- WYPT 110 (crest pt. for navigation): 27°26.263'N 84°46.478'E (656)
- CP 6 (just N of Churia bhanjyang between Bhalut Shitalpur Kholas): 27°26.311'N 84°46.400'E (584)

Weather: Clear & calm at 1st light, dawn; by 06h30, cloudbanks forming to E & steady breeze; by 08h15 winds ± calm; cont'd clear and fairly hazy; fairly overcast w/ hi & thin cirrus, thin cumulus 8-9 Aft. overcast & darker by 09h30; some tall cumulus nearby; wind & storm with brief heavy rain & pinky nail-sized hail 11h30-12h30; hazy & windy in afternoon; not so humid in breezes on crest. Calm & dusk twilight.

Breeding record

- #29 Ashy Woodswallow — a pair observed bringing <sup>(strands)</sup> fine material to its nest building site; tugging material (lichen? moss?) loose from nearby high branches of other trees. Nest is a cup or cup-like structure hurriedly under construction at fork of branch, 16-17m above ground, less than 1/2 built; untidy, loose shallow cup. One bird watched stitching material together & flattening out the cup bottom using its body to waddle around.
- #30 Ashy Drongo — bird nesting in tree c. CPS, c. 680m; actually, nest building sitting on & twisting around to flatten out a give concave appearance/structure to nest; nest mostly/almost completely finished;

Effort:	05h30 — 09h30 (observations c. CPS)	4.00
	09h30 — 11h15 (excursion to A749)	1.75
	12h30 — 17h45 (afternoon march)	5.25
	Σ =	11.00

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29 April 2003 CPS, Churia Crest, Parsa WR (674m)  
Day 16 — CP6, N of Churia bhanjyang, Parsa WR ( )

- c. Churia crest CPS
- 1. Large-tailed Nighthawk — 1 (H) c. 1st light & towards dawn, c. 675m.
- 2. Collared Owllet — 1 (H) below crest CP, c. 400-600m, to S.
- 3. Indian Cuckoo — 1 (H) " do " c. 400-500m "
- 4. Chestnut-bellied Nuthatch — ♂ in pine tree at CPS, c. 680m.
- ?5. Ashy? Bulbul — 1 (H) dn from CPS in <sup>densely</sup> forested ravine, c. 500m.
- ?6. Blue-throated Flycatcher — 1 (H) " do " " c. 500-550m
- 7. White-crested laughingthrush — flock (H) c./dn from CPS, c. 600m.
- 8. Scarlet Minivet — ♂ seen & H, c./dn from CPS, c. 650-675m.
- 9. Chestnut-tailed Starling — <sup>(same birds/site as previous day)</sup> pr. nest building in tree at CPS, c. 680m.
- 10. Ashy Woodswallow — a pair nest building at CPS, c. 685m (see pg. 75)
- 11. Small Minivet — ♂ seen well in trees c. CPS, c. 680-685m
- \*12 Silver-backed Needletail — good looks from CPS Churia crest of a small flock of 23 (probably only 3) hawking insects 50-100m above ridge top forest canopy; at times out over (but high over) lower spurs & Kolchhos, but keeping mainly above crest. Very quick flight; often loose flock but occasionally flying tight formations < 0.5m apart & cavorting with each other. Good views dorsal & ventral, & of back when turning. No 'handlebars'. Throat seen well 2X (hard unless at close range); undertail & vent seen well; even end of mubby tail, which is fanned on sharp turns; call per G. et al. '98 heard at closest pass (c. 50m) & also on departure, when they flew directly overhead. <sup>several records</sup> c. 675-725-775m; G. et al. '00: "status & movements poorly understood; Mar-June, < 3200m"
- 13. Striated Prinia — 1 (H) ridge crest off to side of CPS, Churia crest, c. 675m
- 14. Himalayan Bulbul — a pair keeping up v. high in pine, " do " c. 695m
- 15. Dark-sided Flycatcher — a migrant, <sup>ostensibly</sup> c. CPS, c. 680m.
- 16. Ashy Drongo — 1 bird nesting c. CPS on Churia crest, c.
- 17. Crested Serpent Eagle — 1 seen CPS → A749, c. 700m.
- 18. <sup>(omitted)</sup> Plum-headed Parakeet — 1 (sex?) c. CPS early AM, c. 690m.
- 19. Drongo Cuckoo — 1 (H) A749 → CPS, c. 730m <sup>incl tail dorsal & ventral</sup>
- 20. Dark-winged Cuckoo-shrike — ♂ seen well A749 → CPS, c. <sup>collecting</sup>
- 21. Yellow-crowned Woodpecker — ♀ WNW CPS, c. 690-700m; insects; <sup>see pg. 77.</sup>

G. et al. '00: "uncommon resident".



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Additional records:

c (#12) 2 seen at close range c. A 749, at 750-770m;

v #3) 1 (H) c. WYPT 110, c. 650m;

v #24) 1 (H) " do " " , calling from c. 550m?;

Habitat: Churia crest is a deeply dissected & v. curvey ridgetop of sal-pine open woodland. This association maintained by fire, probably mostly human set, but frequent lightning strikes also possible. Sal more dominant than pine in most areas. Open character also contributed to by occasional tree slumps & falls on v. steep sites. Tall grass & a few spindly shrubs & bushes (with thorns or barbs) in understory, frequent signs of fire, few w/in past few months (or longer?). No cutting. Most sal trees in bloom.

Breeding records (cont.):

c (#31) Yellow-crowned Woodpecker - a ♀ seen WNW of CPS at c. 690m making forays to collect small winged insects; no sign of nest or young, but definitely collecting food.

Knife edge traces of trail even trickier with surface of small stones and gravel ←

(78)

29 April 2003 CPS, Churia crest, Parsa WR (674m)  
Day 16 -

22. Large Cuckooshrike - 1 (H) WNW of CPS, c. 690-720m.

23. Great Tit - pair seen on gumti Churia crest ↑ " c. 680m

24. Blue-throated Barbet - 1 (H) calling from ravine forest below CPS, c. 550-600m; same bird later H WNW further m, c. 550m

25. Alpine Swift? / #12 again - fairly distant view of ≥ 6 from Churia crest showing much white below; tails long? WNW CPS, c. 700m.

26. Blue-tailed Bee-eater - pr. on crest WNW CPS, c. 660m.

27. Oriental Magpie Robin - 1 (H) c. WYPT 110, calling from c. 550m

28. [Collared Scops Owl] - 1 (H) c. CP6, c. 600m.

Route: late AM excursion from CPS to NE to Δ 749.

Followed Knife-like (at times) crest, at times with animal trail traces to Δ. GPS reading c. 20m low. Returned over same route to CPS. Departed at 13h00 towards W, keeping to crest but difficult to negotiate because of sheer slopes on either side & < 0.5m crest 'trail' to pass in saddles. Dangerous! Falls would likely mean serious injury if not death. One hilltop too steep to climb so ropes used to circumvent over steep unstable blazed trail (although Rajan carried his load of 70kg+ directly over w/out ropes. Very serpentine, gumti bāto, consuming much time. Reached 'pass' between Bhalu & Shitalpur Kholas in late afternoon & fashioned CPSite just N in flat patch in forest.

(79)

GPS Coordinates:

Elev. (m)

CP6 (just N of Chunia bhanjyang between Bhalu + Shitalpukhola)	27° 26.311' N	84° 46.400' E	(584)
WYPT 111 (farthest pt. AT1 walk, upper Bhalu Kh.)	27° 26.525' N	84° 46.390' E	? (606)
WYPT 112 (crest pt. for navigation; <sup>flat top</sup> <del>hilly dip</del> )	27° 26.319' N	84° 46.210' E	(655)
WYPT 113 (crest peak/pt. 699 on topo map)	27° 26.242' N	84° 46.031' E	(690)
WYPT 114 (crest pt. c. sandy cliffs)	27° 26.243' N	84° 45.934' E	(641)
WYPT 115	27° 26.263' N	84° 45.913' E	(675)
WYPT 116	27° 26.381' N	84° 45.821' E	(605)
WYPT 117	27° 26.513' N	84° 45.779' E	(570)
CP7	27° 26.393' N	84° 45.753' E	(575)

30 April 2003 CP6, N Chunia bhanjyang, Makwanpur  
Day 17 — CP7, upper Maingi Kh., Parsa WR, Makwanpur

(80)

c. 5-5:30 AM 570-

Weather: Clear at dawn; 68°F at 06h00; partly cloudy by 07h30, but mostly sunny into late AM; partly cloudy w/ broken high overcast at mid-day; warm + rather calm; gusts of breeze in afternoon; clear, hazy & hot at dusk. Calm approaching dusk + into twilight.

(#33) Chestnut-bellied Nuthatch — <sup>(groundish in shape)</sup> carrying food into a nesting hole (old node) in standing deadwood, c. 20 above ground. Possibly alerted to my presence. Only 1 foraging run; c. 540m, dense forest along upper reaches of Bhalu Khola

Breeding records: <sup>upper Bhalu Khola</sup> c. 520m N of CP6 in damp ravine dense forest

(#32) Black-naped Monarch — courtship behavior: ♂ displayed to 2 ♀♀ from higher perch; opened wings then quivered them; could not see tail, but top of nape feathers <sup>(spread, so appearance like crest)</sup> extended showing black more conspicuously; ♀♀ gave chirpy calls in response; ♂ then tussled in mid-air with one of the ♀♀, in a drooping roll towards the ground before flying off into bushes; other ♀ then pursued them (!)

Effort: 05h45 — 12h20 (AM birdwalk, march, stop for nap)  
12h50 — 18 45 (afternoon + evening march)

- [Jungle Owllet] - 1 (H) vicinity of CP6, c. 600m, giving both types of calls
- Indian Cuckoo - 1 (H) " c. 600m. (another individual (H) later in day)
- ? 3. [Blue-throated Flycatcher] - 1 (H) dn in ravine N of CP6, c. 550-570m
- [Lineated Barbet] - 1 (H) c. CP6, c. 575-600m, early AM
- Grey-throated Babber - ≥ 4 N dn ravine from CP6 c. 550m in thickets. Head pattern seen v. well; buzzy calls heard; unusually low for late April? G. et al. '00: "local WC + Ewards; few E of KTM; rare farther W"
- White-crested laughing thrush — flock (H) > 500m dn ravine from CP6 <sup>later seen, 26. c. 550m</sup>
- Scarlet Minivet - ♂ in display flt " do " "
- Streaked Spiderhunter - 1, prob. 2 " do " "
- Black Bulbul - a pair farther dn ravine bed from CP6, c. 500-550m
- (#10) Black-naped Monarch — a ♂ with 2 ♀♀, latter chasing each other; ♂ also displayed to both ♀♀ from higher perch; see pg. 79; re-revised, new max. elev. for sp. in NP: c. 520m; G. et al. '00: "below 365m; but at 450-500m on 28/4/03 (72) (8-11m up)
- (#11) Black-chinned Yuhina — flock of ≥ 5 busily moving through canopy of sal + mixed broadleaf forest; dense w/ intact canopy; seen well; G. et al. '00: "rare resident, 500-1500m" c. 520-530m; upper reaches of Bhalu Khola c. 520m.
- White-bellied Yuhina — 1 in bush + sapling tops, just down from # 11 site
- Mystery Dove/Pigeon - 1 (H) with very deep coos, " do " "
- Blue-throated Barbet - 1, probably 2 seen " do " "
- Black-backed Forktail - 1 in side ravine, far from water, <sup>upper reaches, Bhalu Khola</sup> c. 500m
- Ashy Bulbul - pair in treetop, upper Bhalu Khola, c. 520m
- Chestnut-bellied Nuthatch - ♀ carrying food, " do " "
- Greater Yellow-nape - ♀ seen well w/ 1 other, <sup>(presumed ♂)</sup> <sup>♂ seen on re-trace of route</sup> upper Bhalu Kh., c. 520m
- White-browed Scimitar Babbler - ≥ 3 in dense tangles, " do "
- (#20) Red-headed Trogon - good views of ♀, WYPT 111 → CP6, c. 560m
- Nepal Fulvetta - ≥ 2 in dense thickets, side ravine, c. 565m; w/ ≥ 1 #5. c. 600m
- ? 22. Alexandrine Parakeet - flying over CP6, on rtn; large size; not seen well

Additional records:

- c #5)  $\geq 1$  farther along/dn ravine, <sup>from CP6,</sup> c. 540m, not part of 1st flock;  <sup>$\geq 1$  w/ #21,</sup> c. 565m.
- #2) 1(H) along Churia crest SW of CP6, c. 650-700m; 1(H) approach CP7, c. 580m.
- #16)  $\geq 1$  (H) S of " do " " calling from 600-620m;
- #7) 1(H) c. WYPT 112, mid-day, calling from vicinity, c. 660m; 2 ♀♀ + 1 ♂ c. 680m. <sup>c. 680m.</sup>
- #14) 1(H) W of WYPT 113, calling from c. 650m; 1(H) further on, calling from Maingi Kh. <sup>500-550m?</sup>
- #9) 1(H) (pr?) past WYPT 112, c. 650m; 1 c. WYPT 114, c. 640m;
- #26) 1(H) past WYPT 114, calling from Maingi Kh., c. 550-600m;
- #38) 1(H) <sup>later at 100-200m</sup> 200-300m ahead + dn into Maingi Kh., <sup>calling from</sup> c. 550-600m;
- #23) 1 flying past, WYPT 115, c. 680m;
- #6) flock (H) descending → Maingi Kh., past WYPT 115, c. 600m;
- #18) ♂ seen well, approaching WYPT 117, c. 580m;

Habitat: Sal/pine forest on hillsides, with dried grass understorey. Evidence of some burning in recent past, but not cutting; sal dominant. Ravine vegetation c. CP7 mixed broadleaf but dominated by sal. Increasingly more sp. mixed, denser + <sup>more</sup> moist following upper reaches of Maingi down to WYPT 111. Side ravines v. damp, much herb. understorey veg, lianas, good dense canopy + no water.

Breeding records (cont.): on top of Churia crest pt. 699: c. 705m.  
 #34) Red-breasted Parakeet - a group of 3, with a ♀ flying down from higher perch to enter nesting hole; then emerged about 3/4 body hanging down + craned head to view observer for c. 5m; hole c. 5m above ground.

Route: CP6 down from bhanjyang trail in forest. AT birdwalk as far as WYPT 111 (400m; elev. not accurate; c. 520m); from CP6 returned to crest and worked our way across, but steep dips slowed progress. Long delay just past WYPT 114 to cut trail across v. steep hillside; diverted from WYPT 115 to spur SW crest, then from WYPT 116, steep descent on ropes to flat bottomed ravine, cling nearby.

30 April 2003 CP6, N of Churia bhanjyang, Makwanpur. Day 17 - CP7, upper Maingi Khola, Parsa WR.

- [omitted]
- 23. Plum-headed Parakeet - ♂/♀ pr. c. WYPT 111, AT birdwalk, c. 535m. <sup>upper reaches, Bhakla Khola</sup>
- 24. Velvet-fronted Nuthatch - pr. on sal trunks, CP6, late AT, c. 590m.
- 25. Drongo Cuckoo - 1(H) calling above CP6, c. 620-630m, late AT.
- 26. Eurasian Cuckoo - 1(H) S of Churia crest in Shitalpur upper reaches. <sup>(~200m), calling from c. 550-600m</sup>
- 27. Blue-tailed Bee-eater - pr. over Churia crest W of CP6, c. 670-680m.
- 28. Fork-tailed Swift - pr. " do " " " c. 680-700m.
- 29. [omitted] Asian House Martin - flock c. WYPT 111; w/ high, <sup>white rump; white underparts, including undertail coverts</sup> c. 600m; can't be sure.
- 30. Crested Serpent Eagle - 1(H) Churia crest WSW CP6, c. 650-750m.
- 31. Shikra - ♀ seen well, over Churia crest at WYPT 112, c. 670-700m. <sup>750</sup>
- 32. Black-hooded Oriole - 1(H) past Δ 699 (WYPT 113), along crest, c. 650m. <sup>calling from ravine forest</sup>
- 33. Large Cuckoo-shrike - ♀ + ♂ pair flying over crest, c. 700m.
- 34. Red-breasted Parakeet - group of 3, including a nesting ♀, " ".
- 35. Ashy Drongo - 1 at c. 650m W of WYPT 113, Churia crest.
- 36. Great Tit - pr. passing through c. WYPT 114, along Churia crest.
- 37. Common Woodshrike - a pr, ♀ possibly carrying food, <sup>(dropping)</sup> " do", c. 630m.
- 38. Collared Owllet - 1, prob. 2, (H) calling 1-2 km in distance; 500-600m?
- 39. Chestnut-tailed Starling - pr. past WYPT 114 → Maingi Kh., c. 600m.
- 40. Grey-bellied Cuckoo - 1(H) past WYPT 115, calling from c. 600-620m.
- 41. Hill Myna - pair flying by WYPT 115, c. 600m.
- 42. Eurasian/Oriental Hobby - distant view, plump bird, c. WYPT 115, c. 700m.
- 43. Long-tailed Nightjar - 1(H) <sup>later from c. CP7, c. 575m.</sup> upslope from CP7, just past twilight, c. 600m.
- 44. Collared Scops Owl - 1(H) c. CP7, Maingi Kh. upper reaches, c. 550-580m. <sup>c. 8PM</sup>
- 45. [Oriental Scops Owl] - 1(H) in distance from CP7, in Maingi watershed, c. 500-600m? <sup>[omitted]</sup>
- 46. Orange-headed Thrush - 1(H) singing c. CP7, c. 575m at dusk → twilight. <sup>glimpsed silhouette in AT.</sup>

(83)

(84)

1 May 2003 CP7, upper Maingi Kh, Parsa WR ( )  
Day 18 - CP8, Maingi headwaters, Parsa WR ( )

GPS Coordinates:

Elev.  
(m)

CP7 (CP N of Churias. in upper reaches Maingi Kh, Parsa WR)	: 27° 26.393' N 84° 45.753' E	(575)
WYPT 117 (jct streambed/sidestrib. where 100m x 2 walked)	: 27° 26.513' N 84° 45.779' E	(540)
WYPT 118	: 27° 27.203' N 84° 45.434' E	(486)
WYPT 119 (confluence of sidestream above lunchstop)	: 27° 27.450' N 84° 45.428' E	(463)
CP8	: 27° 26.557' N 84° 44.160' E	(561)
LUNJ9 (below confluence of 1st watered stream, Maingi)	: 27° 27.535' N 84° 45.401' E	(464)

Weather: Clear & calm at first light & dawn; patchily overcast into AM; 74°F at 06h00; 83°F at 11h00 (in streambed N of CP7); partly cloudy in afternoon with quite a few cumulus buildups in <sup>(area)</sup> vicinity continued partly cloudy & hazy into late afternoon & evening.

Breeding record:

(35) Himalayan Bulbul - a pair in <sup>sidestream off of</sup> Maingi Khola side grass & trees, 1 bird carrying & pausing on a perch with a strand of long, thin yellow grass in its beak. Could not tell if other bird also collecting material; c. 485m.

Effort:	05h20 - 09h30 (AM birdwalk, c. CP7)	4.17
	10h00 - 14h00 (AM march, into afternoon) <sup>+ lunch stop</sup>	4.00
	15h00 - 18h50 (afternoon march)	3.83
	$\Sigma = 12.00$	

1. [Large-tailed Nightjar] - 1 (H) c. 05h00 c. CP7, c. 575m. <sup>very close to CP site.</sup>
2. Collared Owlet - 1 (H) c. 05h00 + thereafter " do " " "
3. Kalij Pheasant - 2 (pr?) ♀ seen well, c. CP7, c. 590m, early AM.
4. Black Bulbul - 1 (H) a bit down streambed from CP7, c. 570m.
5. White-crested Laughingthrush - flock w/ leader seen " do " "
6. Greater Necklaced Laughingthrush - 1 c. jct w/ main streambed, c. 550m.
- \* (7) Sultan Tit - a ♂/♀ pair in a open limbed <sup>sluggish, with occasional hops.</sup> sub-canopy bush, edge of streambed. Watched for several minutes. One bird (sex?) eating a larva/caterpillar. Evergreen forest edge, below CP7, c. 545m. G. et al. '00: "rare + local resident in c. #E Nepal."
8. Ashy Bulbul - 1 in same bush, then vicinity as #7. c. 550m.
9. Blue-throated Barbet - 1 (H) c. CP7, early AM + thereafter; c. 580m.
10. Indian Cuckoo - 1 (H) down from CP7 + nearby, c. 550-580m
11. Eurasian Cuckoo - 1 (H) " do " " c. 570-590m.
12. Orange-head Thrush - ♂ in same vicinity as #s 7 & 8; c. 545m.
13. Scarlet Minivet - ♂ & ♀ pr. down streambed from CP7, c. 570m.
14. Grey-head Woodpecker - 1 (sex?) in sat tree, ↑ " do " "
- (15) Crow-billed Drongo - a pair seen well along streambed dn. from CP7, c. 560m.   
 X new max alt. for Nepal? G. et al. '00: "probably a local & uncommon summer visitor below 2500m". found higher in India & Bhutan (G. et al. '98); seen in chase, too
- ? 16. Blue-throated Flycatcher - 1 (H) c. CP7, c. 575m at dawn.
17. Striated Prinia - 1 (H) calling from slopes on sidestream excursion, c. 570m.
- (18) Greater Racket-tailed Drongo - 1 flying past in adult plumage; near site of #15 birds; changed to recently fledged juveniles, not Crow-billed. Juvs lacked flat crown; juvs probably fledged nearby; G. et al. '00: "below 1500m; uncommon to 3650m (-1370m). Juvs also lacked the semi-iridescent wing panel, which is not a plumage character of Greater Racket-tailed; juvs rather stationary, squawking at ea. other & trussing/chasing."
19. White-browed Scimitar Babbler - pr. on 2nd walk down streambed from CP7, c. 565m.
20. Common Tailorbird - 1 seen in streambed edge, N of CP7, c. 565m. <sup>(same bush as #19.)</sup>
21. Red-breasted Parakeet - pr. seen + H c. WYPT 117, c. 550m.

(85)

Additional records: often difficult to make out black patch at bend of wing.  
(taped) c. 550-570m.

#6) ≥ 3 more later in AM on H to CP7, calling raucously, & studied at close range; evident that ear patch is whitish grey & clear, as in top left figure, p. 74 G. et al. '98. later 2 additional individuals passed by, nearer CP7; ≥ 1 had grey but streaked ear coverts (grey background); breast band wide & continuous at center. All of these birds seen to have complete, black mustachial stripes. Latter 2 with black at bend of wing. gives a regular imitation of 'brain fever' call, although softer & not as carrying.

#5) 2nd flock, (H) only above CP7, late AM (with 1st flock calling below), c. 585m.

#17) 1 (H) past WYPT 117, c. 570m; calling from

#23) a 2nd bird seen with pre-call notes calling < 1m from calling 1st bird, sal top, past WYPT 117 c. 560m. 2nd bird followed 1st around; 2nd's voice perceptibly different than 1st birds; ♂ teaching a young ♂ to sing? ♀ calling with ♂ (former seems more likely).

#4) 1 (pr?) past WYPT 117, c. 560m; pr. in upper Maingji Kh., c. 480m;

#5) flock (≥ 4) " do " c. 520m;

#20) 1 seen + H in tall grass + bananas, Maingji Khola, c. 500m;

#9) 1 (H) approach. lunchstop, upper Maingji, c. 480m; 1 (H) up sidestream, Maingji Kh. c. 510m

#27) 2 in streamside forest, past WYPT 119, c. 500m;

#8) 1 upsidestream, c. 500m, beyond WYPT 119;

#21) ♀ in sal top, up sidestream from " do " c. 520m;

#31) 1 (H) on burnt grassy slopes & sal, headwaters sidestream from WYPT 119, c. 550m.

#13) 1 (H) approaching " do " " " " " " " " " "

#35) 1 w/ #46 in dry forest, upper reaches, Maingji Khola sidestream, c. 550m.

#10) 1 (H) approaching CP8, danda, c. 550-570m; another 1 farther away, 570m. c. CP8, c.

#49) a 2nd pair c. CP8, c. 570m.

(86)

1 May 2003 CP7, upper Maingji Kh., Parsa WR ( ) -  
Day 18 CP8, Maingji headwaters, Parsa WR ( )

22. Black-hooded Oriole - ♂/♀ pr. past WYPT 117, main Maingji Kh. streambed. ♂ calling with ♀ close by + silent. c. 560m.

(23) Drongo Cuckoo - 1 seen + H and taped! moves tail from side to side! upper Maingji Kh., past WYPT 117, c. 550-560m. call H at close range + taped; call preceded by a soft quick series of 'burr... burr... burr' notes; no mention of this winding up pre-call by G. et al. '98. missed on tape try.

24. Dark-winged Cuckoo-shrike - 1 seen well, past WYPT 117, c. 560m.

25. Bar-winged Flycatcher-shrike - ♂ " do " " " " "

26. Crested Serpent Eagle - 1 (H) past WYPT 117, c. 570-620m, fairly distant.

(27) Grey Treepie - pr. (H) calling back & forth, in sal forest, past WYPT 117. recently reported at 80m (G. et al. '00); possibly this sp. reported for unconfirmed recent records of Long-tailed Sibia. 1 bird later seen.

28. Velvet-fronted Nuthatch - confiding pr. (sex?) seen past WYPT 117, c. 560m. 550-

29. Chestnut-headed Bee-eater - 1 past WYPT 117, upper Maingji, c. 530m.

(30) Great Hornbill - (breath-takingly resplendent) 1 seen well flying over upper Maingji Khola, c. 545m.

31. Grey-bellied Cuckoo - 1 (H) past WYPT 117, c. 500m (both types of calls heard)

32. Himalayan Bulbul - a pair " do " " " " " "

(33) Chestnut-winged Cuckoo - 1 (H), then 1 seen, flying across upper Maingji (a 2nd bird?) c. 480m

34. Black-backed Forktail - a pair, sidestream, c. 300m up from lunchstop. c. 480m

35. Great Tit - 1 at 1st puddle of water " do " " " " " " " " " "

36. Grey Wagtail - juvenile slowly foraging along Maingji Kh., c. lunchstop c. 465m

37. Greater Yellowlegs - ♀ at confluence of sidestream + Maingji, c. 470m. (=WYPT 119)

38. White-bellied Yuhina - pr. up sidestream of Maingji, c. 480m

39. Long-tailed Broadbill - 1 " do " " " " " " " "

40. Streaked Spiderhunter - pr. farther up sidestream where trickles resur c. 500m.

41. Collared Falconet - 1 seen well, " do " " " " " " " " " " " "

42. Indian Grey Hornbill - 1 flying over stream, " do " " " " " " " "

43. Shikra - 1 (H) up side stream from WYPT 119/dobhan, c. 500-550m.

44. Black-chinned Babbler - ≥ 4 in rocky dry ravine, headwaters, c. 540m.

(87)

1 May 2003 CP7, upper Maingi Kh., Parsa WR ( )  
Day 18 — CP8, Maingi headwaters, Parsa WR ( )

(88)

Habitat: Vicinity of CP7, far upper Maingi: Sāl dominated dense canopy forest, except for fire, negligibly disturbed; along dry tributary bed below CP, edged with mostly budding/flowering deciduous trees + shrubs (spp?), some evergreen small trees + light load of lianas & epiphytes. Some burning of riverine grasses, especially farther down where main bed widens.

Good, <sup>(somewhat)</sup> open mixed broadleaf forest below CP7 along the Maingi Khola; somewhat open with good understory of saplings & bushes, occasional thickets, lianas + some bananas (at <sup>forest</sup> waterway/edge). Forest is mixed sāl/deciduous spp. w/ evergreen tree + sub-canopy components; quite a few epiphytes in canopy + sometimes sub-canopy.

Farther downstream more of a tall grassy edge to Maingi Khola, with Hibiscus, tree ferns, mixed broadleaves (mainly sāl) w/ <sup>+ epiphytes</sup> lianas.

Up sidestream to SW water soon ends; more of a tall + dense grassy border to this stream; also tall bananas (scattered + in clumps), tall ferns + other herbs; further <sup>up</sup> the sidestream to SW water resumes in the form of trickles from small springs; up from here trickles finish with much fewer birds; bananas also <sup>much</sup> fewer; most broadleaves with sāl here deciduous (replacing evergreen component lower down).

Preening behavior:

Black-chinned Babbler — two birds of flock of 4 or 5 (p. 86) preening each other in bushes. One bird preened the other briefly. Other responded by much more vigorously & extensive preening: even rising on its legs to preen around nape, crown + particularly around ears, sides of face; very confident sidled up to ea. other; then moved apart slightly + preened itself c. wings, back, breast & c. 3 min. upper reaches Maingi Kh. c. 560m.

45. Grey-capped Pygmy Woodpecker — 1 seen well, no sign of red on head, ∴ ♀ (?), headwaters, dry ravine forest, Maingi Kh., c. 550m.

46. Greenish Warbler — a pair seen well in dry forest " do " " " Lacked crown stripe; 1 wing bar; bill not all dark, orangey at base + from below. Silent; w/a #35; upper reaches of Maingi Khola, c. 550 (upside dry ravine).

47. Oriental White-eye — pr, ... " do " " " c. 560m

48. Hill Myna — pr. flying over open sāl forest, danda spur SW Maingi Khola

(49) Dollarbird — a pair on danda spur, approaching CP8, c. 570m.

50. Spangled Drongo — 1 approaching CP8, c. 560m.

51. [Oriental Scops Owl] — 1 + 1 c. CP8, c. 500, calling downstream, quite <sup>far</sup> away.

52. <sup>[omitted]</sup> Red-billed Blue Magpie — ∴ 1 (H) approaching CP8, c. 550m.

Route: Ascended from CP7 up rivulet end + along side to reach Churiabhanjyang

Habitat (cont.): Above 520m up sidestream to SW, most forest is sāl & pine, even a few pine down to streambed edge;

Into hills, most slopes effected by fire; grass with trees restricted to hollows + ravines; grasses recently burned, reduced to tufts with short regrowth

GPS Coordinates:

Elev. (m)

CPB (Maingi Kh. headwaters, just before pass)	: 27° 26.557' N	84° 44.160' E	(561)
WYPT 120 (pass above/SW of CPB)	: 27° 26.517' N	84° 44.029' E	(601)
WYPT 121 (descending on Churia spur)	: 27° 26.055' N	84° 43.891' E	(562)
WYPT 122 (watered ravine end of descent)	: 27° 26.465' N	84° 43.841' E	(533)
WYPT 123 (along watered stream)	: 27° 26.163' N	84° 43.788' E	(487)
WYPT 124 (confluence stream from NW)	: 27° 25.926' N	84° 43.714' E	(437)
WYPT 125 (stream confluence; not taken; lunch spot)	: 27° 26.082' N	84° 43.574' E	(453)
WYPT 126 (small stream taken; dohnen)	: 27° 26.164' N	84° 43.554' E	(443)
WYPT 127	: 27° 26.334' N	84° 43.561' E	(NA)
CP9 (upper reaches Lalbhitiya Nadi, Parsa WR, Parsa jilla)	: 27° 26.272' N	84° 43.497' E	(448)

Weather: Rain (showers) from c. 03h00 - 4h55; at dawn overcast & somewhat threatening; clearing with patches of blue c. 07h00; sunlight reaching CPB vicinity at 07h30; clear by 08h30; clouding over again at 09h30; increasingly dense overcast from 10h00; clearing off by 15h30; (after overcast + threatening to rain at mid-day); (68°F)

Breeding record

#36 Red-breasted Parakeet - (courtship behavior) - ♀ slightly below ♂ on 45° perch; ♀'s head hunched over; ♂ approached bobbing head, then turning it in a corkscrew fashion; ♂ calling all the while; even 10-12 sec ♂ would reach down to touch beaks with ♀, including tongue action (∴ a kiss?); repeated c. 15x in 5min period; no feeding involved; ♀ silent but responsive in stretching head up to receive ♂'s 'kiss'; c. CPB, c. 555m, headwaters head of Maingi river system, proximate to Churias pass/headwaters limit.

Effort: 06h10 - 09h00 (AM birdwalk c. 500m downstream)  
 09h30 - 15h00 (AM + early afternoon march)  
 15h30 - 19h15 (late afternoon march; + evening birdwalk)

2 May 2003 CPB, Maingi headwaters, Parsa WR  
 Day 19<sup>CP9</sup>, upper reaches Lalbhitiya Nadi, Parsa WR

- Indian Cuckoo - 1 (H) vicinity CPB, early AM, c. 570m.
- Black-hooded Oriole - 1 (H) " do " " " c. 550m.
- White-crested Laughingthrush - flock (H) c. bhanjyang, c. 600m.
- Grey-headed Woodpecker - 1 (H) c. CPB, early AM, c. 560m.
- Common Tailorbird - 1 (H) c. CPB in amongst burnt grasses, c. 560m.
- Red-breasted Parakeet - pair in courtship c. CPB, c. 570m.
- Ashy Prinia - a pair seen well; no eyebrow; breeding plumage; distinctively buzzy, wheezy call; in 'amlisoo' other grass + herb; <sup>Baughina</sup> in burnt patch c. CPB, c. 555m. G. et al. '00: " below 305m"; new alt. max. for sp. in Nepal.
- Black-backed Fortail - 1 in stoney, dry ravine, below CPB, c. 550m. very far from flowing or pooled water, c. 1km??!
- Scarlet Minivet - small flock c. CPB, c. 570m; ♂ in display ft. (tail seen + ft.)
- Black Bulbul - pr. in trees, up small ravine, below CPB, c. 550m.
- Chestnut-tailed Starling - pr. ↑ " do " " c. 560m.
- Chestnut-bellied Nuthatch - ♂ collecting insects ↑ " do " "
- Lesser/Greater Necklaced Laughingthrush - pair in forested ravine below CPB silent; not seen well; c. 560m.
- Ashy Drongo - 1 in forested, moist ravine below CPB, c. 570m.
- Drongo Cuckoo - 1 (H) " do " " another later in day seen; PG. 91 "
- Lesser Yellownappe - ♀ in sal tree below CPB (slightly), c. 570m.
- Common Iora - 1 (H) c./below CPB, c. 555m.
- Dollarbird - 1 seen in canopy/sub-canopy c. CPB, c. 570m.
- Eurasian Cuckoo - 1 (H) calling briefly c. CPB, c. 580-600m.
- Spangled Drongo - 1 down streambed from CPB, c. 550m.
- Black-chinned Babbler - ≥ 3 " do " " c. 550m.
- Himalayan Bulbul - 1 seen " do " " "
- Hill Myna - pair up from CPB at c. 60m eating cycad fruits. (both)
- Striated Prinia - 1 seen from WYPT 120, looking down to it calling at 585m.

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Additional records:

- #11) another 1 c. CPB, AT1, c. 565m;
- #7) 1 more in same area of amlisoo, grass + bananas, c. CPB, c. 555m.
- #5) 1(H) up side rivulet below CPB, c. 550m; 1(H) up trib from WYPT 124, c. 450m.
- #7 cont) another pr, possible 2 more pr, farther down streambed, c. 545, <sup>same type habitat.</sup>
- #9) ♀ seen well, but tail edged orange instead of yellow, <sup>(w of WYPT 120)</sup> at pass above CPB, c. 605m.
- #14) 1 c. bhanjyang above CPB, c. 605m; 1 down <sup>+1+1</sup> watered ravine past WYPT 122, c. 510m.
- #11) a nesting pair, " do " " " ; ≥ 1 " do " " " " "
- #9 cont) ♂ c. WYPT 121, c. 570m, Churia spur;
- #35) ♀ w/ indistinct eyering, past WYPT 122, fairly dense forest, but at edge of watered ravine tail cocked + obviously more rufous than brown of body; possibly pale-chinned? but ♂ subsequently seen nearby: definitely Blue-throated, quite shy + retiring; 1(H) upstream from WYPT 126, c. 460m; 1(H) farther upstream, c. 460m.
- #36) ≥ 1 c. #39 site, watered ravine, c. 510m; ≥ 1 in dense thickets c. CP9, c. 460m.
- #10) 1+1 " do " " " " ; pr. overhead c. WYPT 125, c. 455m <sup>approaching</sup> lunch stop.
- #6) pair flying over " do " " ;
- #15) 1 seen + H calling " do " " ; 1 seen + H past WYPT 126, c. 450m.
- #12) 1 <sup>♂</sup> up side trib, after dobhan, <sup>(= WYPT 124)</sup> c. 450m;
- #39) ≥ 1(H) " do " " " c. 455m; ≥ 1 in dense thickets c. CP9, c. 450m.
- #38) ≥ 1(H) " do " " " ; 1 seen approach CP9, c. 450m.

#38) Chestnut-tailed Starling - a pair nesting in a sal tree on very steep slope c. bhanjyang above CPB, c. 610m; newly built, mostly with pine needles in the cavity; 5.3m from hole to ground;

Breeding records (cont.):

#37) Chestnut-bellied Nuthatch - ♂ collecting + carrying off beakful of small insects, in side rivulet below CPB, c. 560m; then entered hole in branch node of sal tree, up c. 7m from ground; c. 5 sec. ♂ flew out, followed by ♀ 10-15 sec later, who was already in the nesting cavity

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2 May 2003 CPB, Maingi headwaters, Parsa WR ( ) -  
Day 19 CP9, upper reaches, Lalbitiya Nadi, Parsa WR ( ).

- 25. Plum-headed Parakeet - ♂ flying past c. WYPT 120, c. 605-610m. (later perched nearby at 580m)
- 26. Crested Serpent Eagle - 1 seen in distance to NE from " , c. 620-640m.
- 27. Ashy Woodswallow - 1 <sup>+1</sup> in treetops c. WYPT 120, c. 620m.
- 28. Dark-winged Cuckooshrike - 1(H) " do " " "
- 29. Crested Treeswift - 3 c. WYPT 120 & over danda; 1 perched seen v. well. <sup>c. 580 m. (both types of calls)</sup>
- 30. Grey-bellied Cuckoo - 1 seen + H calling " do " c. 580m.
- 31. Slaty-headed Parakeet - flock <sup>(≥ 1 ♂)</sup> seen well c. 540 → 560, past WYPT 120. gave 5 notes, then silent
- 32. Large-tailed Nightjar - 1(H) off in side ravine, c. 550-580m. (uncommon above)
- 33) Large Woodshrike - ♀ flying past at WYPT 121, c. 565m; 365, G. et al. '00). in agitated chase.
- 34) Chestnut-winged Cuckoo - pair in watered ravine, c. WYPT 122, c. 535m.
- 35. Blue-throated Flycatcher - 1(H) calling + alarm, dn Khola from " do " c. 530m.
- 36. Nepal Fulvetta - ≥ 1 farther down watered ravine " do " "
- 37. Bronzed Drongo - 1 seen well " do " " " c. 520m.
- 38. Blue-throated Barbet - 1 seen " do " " " "
- 39. Striped Tit Babbler - ≥ 2 " " " do " c. 510m.
- 40. Oriental Magpie Robin - ♀ <sup>+ ♂ shortly thereafter.</sup> " do " " " "
- 41. Kalij Pheasant - 1(H) <sup>(chucking notes given)</sup> farther downstream, then response by up rivulet <sup>c. 510m</sup> but not in understory, just clumps of tall grass
- 42) Pale-footed Bush Warbler - 1(H) c. dobhan <sup>(= WYPT 124)</sup> dn stream, c. 500m.
- 43. Black-naped Monarch - pair up dobhan <sup>(= WYPT 124)</sup> of side trib, c. 445m.
- 44. Oriental White-eye - ≥ 1 silently moving through " do " "
- 45. Emerald Dove - 1 flying upstream past WYPT 126, c. 460m.
- 46) Long-tailed Broadbill - 1 tussling w/ a pr. of #10, " do " "
- 47. Velvet-fronted Nuthatch - 1 (sex?) farther upstream past WYPT 126, <sup>c.</sup> 465m.
- 48. Dark-sided Flycatcher - 1 <sup>evidently on</sup> passage, " do " " " "
- 49. Chestnut-headed Bee-eater - 1 treetop " do " " "



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Additional records:

- #23?) 8 flying overhead (silhouetted) just before WYPT 126, c. 460m;
- #8) 1 up sidestream, just past WYPT 126, c. 450m; pr farther upstream, c. 460m.
- #4) ♀ " do " " " " " ;
- #10) pair tussling w/ #46, " do " c. 465m;
- #43) ♀ upstream past WYPT 126, c. 460m;
- #4) ♂ " do " " " " ;
- #37?) 1 hawking at twilight, c. CP9, c. 460m;
- #44) 1 passing by CP9, c. 455m at twilight;
- #3) flock (H) c. CP9, c. 450m " " ;
- #30) 1 (H) just past twilight, edge of streambed c. CP9, c. 450m.

2 May 2003 CP8, Maingi headwaters, Parsa WR (94) —  
 Day 19 CP9, upper reaches Lalbhitiya Nadi, Parsa WR ( ).

- 50. White-rumped Shama — ♂ in streamside just, upstream of WYPT 126, c. 560m
- 51. White-throated Fantail — 1 " do " " " "
- 52. Grey-headed Canary Flycatcher — <sup>confiding</sup> family group of 4, 2 of which lethargic, fully plumaged, probably recently fledged; approaching CP9 c. 450m; <sup>breeding unusually low: G. et al. '00: Summits 1200-3100 "</sup>
- 53. Streaked Spiderhunter — 1 in banana + trees above; approach CP; c. 450m
- 54. Red-headed Trogon — ♂ c. CP9, c. 455m.
- 55. Lesser Necklaced Laughing Thrush — 1 seen well, w/ 2-3 others; roosting at dusk → twilight, c. CP9, c. 450m
- 56. Asian Paradise Flycatcher — ♀ backtracking from CP9, c. 455m dusk → twilight
- 57. Great Hornbill — 1 in tall trees c. CP9, c. 470m. <sup>viewed + undisturbed</sup> for 8-10 min!
- 58. Large-tailed Nightjar — 1 + 1 (H) <sup>close</sup> vicinity CP9, c. 450-470m, twilight.
- 59. Oriental Scops Owl — 1 (H) c. CP9, c. 450-470m just past twilight.

(95)

GPS Coordinates:

		Elev. (m)
CP9 (upper reaches hálbhitija Nadi, Parsa WR, Parsa jilla)	: 27° 26.272' N 84° 43.497' E	(448)
WYPT 128 (endpt. AM birdwalk, up side rivulet, upstream)	: 27° 26.441' N 84° 43.587' E	(448)
WYPT 129	: 27° 26.152' N 84° 43.536' E	(N/A)
WYPT 130	: 27° 26.318' N 84° 43.172' E	(619)
WYPT 131	: 27° 26.290' N 84° 43.238' E	(597)
LUNS 10	: 27° 26.207' N 84° 42.914' E	(476)
WYPT 132	: 27° 26.720' N 84° 42.183' E	(432)
CP10	: 27° 27.225' N 84° 41.819' E	(413)

Weather: Thin overcast at 1st light → dawn; still mostly overcast at 07h00 & 71°F; sunny into late AM; hot, hazy + sunny into afternoon; calm, hot, humid towards lunch stop; cooler along upper Harda watered section; air ± calm throughout day.

Effort:

05h30 — 09h30 (AM birdwalk + c. CP9)	4.00
09h30 — 14h45 (late AM march + c. lunch)	5.25
15h15 — 18h45 (afternoon march + c. CP10)	3.50
[12h30 — 13h00] (network + photography)	0.50
Σ =	12.25 hr

(96)  
3 May 2003 CP9, upper reaches hálbhitija Nadi, Parsa WR ( )  
Day 20 — CP10, upper Harda Khola, Chitwan NP ( )

- [Oriental Scops Owl] — 1 (H) vicinity CP9, c. 05h00, c. 450-470m.
- [Large-tailed Nightjar] — 1 (H) " do " " "
- Grey-bellied Cuckoo — 1 (H) " " " " "
- Black Bulbul — 1 seen . . . " do " " "
- Small Minivet — ♂ up high in a tree, " do " " " c. 465m.
- Oriental Magpie Robin — ♂? " do " " "
- Plum-headed Parakeet — ♂ vicinity CP9, c. 460m.
- Black-naped Monarch — ♀ " do " " "
- White-throated Fantail — pair " do " c. 455m.
- Black-backed Forktail — 1 " do " c. 450m.
- Large Woodshrike — 1 (sex?) " do " " c. 460m.
- Streaked Spiderhunter — 1 . . . " do " " "
- Asian Paradise-flycatcher — ♀ <sup>+ white morph. ♂</sup> " do " " "
- Chestnut-tailed Starling — 4 c. CP9, upstream a bit, c. 460m.
- Blue-throated Barbet — 1 (H) " do " " " ← another bird seen later in AM; see pg. 97
- Black-headed Bulbul — 1 (seen) " do " " "
- [17] Grey-headed Canary Flycatcher — pair " do " " crossing streambed, up from CP.
- Kalij Pheasant — ♀ (?) seen mostly silhouetted, c. CP9, c. 450m.
- Black-chinned Babbler — ≥ 1 upstream from CP9, c. 455m G. et al. 00: "scarce"
- [20] Pin-tailed Green Pigeon — ♂? in tall tree top, " do " c. 465m.
- Mystery Phylloscopus Warbler — mostly <sup>(above)</sup> grey-brown; no wingbar?; whitish supercilium; greyish below; active;
- Nepal Fulvetta — ≥ 2 a bit upstream from CP9, c. 455m.
- Red-breasted Parakeet — 1 (H) " do " " " , up high, passing over,
- [24] Long-tailed Broadbill — 1 seen v. well, " do " c. 460m.

Additional records:

- #14) <sup>(different than 4 seen earlier)</sup> a pair c. CP9, c. 460m; 3 downstream, upper Harda, below lunchstop, c. 475m.
- #4) 1+1 pairs, farther upstream from CP9, c. 460m; pair on danda crest, c. 620m.
- #8) ♀, farther upstream " do " " ; ♀ up rivulet from CP9, c. 450m.
- #10) another pr at dobhan, WYPT 129, c. ; 1 more up rivulet past dobhan, c. 455m.
- #17) 1, apparently alone, " do " " " ; 1 (H) up rivulet from CP9, c. 480-500m.
- #28) ♂ bathing, c. WYPT 128, c. 455m;
- #22) 2 opp. CP9, up small rivulet, c. 450m;
- #15) 1 (H) " do " " " " ; 1 seen downstream from CP9, c. 455m.
- #37) 1 eating a butterfly, downstream from CP9, c. 455m; 1 on danda crest c. 620m.
- #36) 1 seen singing .... " do " " " c. 450m; 1 <sup>seen</sup> singing at WYPT 129, c. 450m.
- #9) 1 at dobhan <sup>(WYPT 129)</sup> below CP9, c. 450m;
- #10 cont.) 1 up rivulet from WYPT 129, c. 450m; 1 more further up rivulet, c. 450m.
- #42) 1 ... " do " " " ; 1 descending upper Harda Kh., c. 480m.
- #39) 1 (sex?) <sup>← later seen to be ♀</sup> up rivulet from CP9, c. 450m;
- #34) 1 (H) <sup>calling from (Chitwan NP!)</sup> dn in upper Harda, c. 550-580m;
- #35) ♀ at CP9 on rtn for breakfast, c. 450m; ♂ <sup>+ 1 more ♀ (Chitwan & Parsa)</sup> pair Churia crest c. WYPT 130, c. 625m.
- #15) 1 (H) ahead t dn in Harda Kh. from Churia spur, <sup>calling from</sup> c. 500-550m;
- #45) <sup>(flock)</sup> 1 (H) " do " " " do " " " 3 seen well, upper Harda; below lunchstop, c. 460m.
- #44) 1 (H) " do " " " " " " ;
- #3) 1 (H) on Churia crest, <sup>(Chitwan NP)</sup> past WYPT 130, c. 600-620m;
- #17 cont.) 1 descending to Harda Kh., c. 550m.
- #38) 1 ... " do " " " c. 500m; pr <sup>upper Harda</sup> past lunchstop, c. 475-480m.
- #36 cont.) 1 " do " " do " c. 500m; 1 c. WYPT 132, c. 440m.
- #8 cont.) ♀ " do " " " " ;
- #2) 1 (H), startled; gave grunt-like alarm, then 1 series of call notes, <sup>descending upper</sup> Harda, c. 480m.
- #4) ≥ 1 descending upper Harda Kh., c. 485m; 4 c. lunchstop, upper Harda, c. 480m.

3 May 2003 CP9, far upperhalbithiya Nadi, Parsa WR ( )  
Day 20 — CP10, upper Harda Khola, Chitwan NP ( )

- 25. Oriental White-eye — a pair, <sup>upper reaches of halbithiya Nadi</sup> upstream from CP9, c. 450m.
- 26. Emerald Dove — 1 " do " " "
- 27. Bronzed Drongo — 1 " do " " "
- 28. Common Tailorbird — 1 (H) <sup>← another bird seen later in mtn; see pg. 97.</sup> " do " " "
- 29. Drongo Cuckoo — good view + H, " do " " "
- 30. Lesser Necklaced Laughingthrush —
- 31. White-browed Scimitar Babbler — <sup>(giving 3 note 'whoop-whoop-whoop' call)</sup> a pair, a bit upstream from CP9, c. 455m.
- 32. Grey-headed Woodpecker — <sup>seen + H</sup> pair (sexes?) " do " " "
- 33. White-throated Kingfisher — 1 farther upstream, foothill base, c. 465m.
- 34. Ashy Bulbul — 1 <sup>+ 1 (♀ pair?)</sup> seen farther upstream from CP9, c. 460m.
- 35. Scarlet Minivet — 2 ♂♂ in chase, seen above + H, 1 " do " c. 465m.
- 36. Pale-chinned Flycatcher — 1 c. dobhan, base of Churia, farther upstream.
- 37. Chestnut-headed Bee-eater — 1 in treetop past dobhan, c. WYPT
- 38. Ashy Drongo — 1 in treetop, past dobhan up rivulet, c.
- 39. Red-headed Trogon — ♂? ... " do " " " <sup>excellent views!</sup> resplendent!
- 40. Indian Pitta — 1 (H) c. endpt. Anbirdwalk, up rivulet, c.
- 41. Grey-throated Babbler — ≥ 2 (prob. 3) c. WYPT 128, c. 455m; w/ #42.
- 42. White-bellied Yuhina — ≥ 1 w/ #41s " do " " "
- 43. Hill Myna — pair up in hillside bushes, c. WYPT 128, c. 465m.
- 44. Black-hooded Oriole — 1 (H) <sup>← this sp. seen later in day; see pg. 99</sup> opp. CP9, up tiny rivulet, c. 450m.
- 45. White-crested Laughingthrush — 1 <sup>(silent!)</sup> seen well, " do " " "
- 46. Mystery Swift/Swallow — pale rump, dark und?, slow flt, 1 " do "
- 47. Himalayan Bulbul — 1 ad. w/ 1 imm. flying, <sup>in Saccharum littoral</sup> down from CP9, c. 450m.
- 48. Striated Prinia — 1 (H) on grassy hills, " do " " c. 465m.
- 49. Spotted Dove — 1 flushed downstream from CP9, c. 455m.

(99)

## Additional records:

- #51) 1 (H) c. lunchstop, upper Harda Kh., c. 485m;  
 #33) pair passing by " do " " " ;  
 #31) 1 in upper Harda, below lunchstop, c. 460m;  
 #44) ♂/♀ pair in chase, " do " " " ;  
 #35) 3 ♂♂ cavorting, " do " " " ;  
 #53) 1 (H) .75-1 km downstream from lunchstop, c. 400-450m; 1 (H) c. WYPT 132, c. 450m  
 #18) another ♀(?), possibly ♀ #64, downstream " do " c. 450m;  
 #27) 1 hawking insects, " do " " c. 465m; 1 c. dohan, upper Harda, c. 435m.  
 #29) 1 (H) up upper Harda, after passing, calling from c. 480m; 1 (H) c. WYPT 132, c. 440m  
 #43) 1 seen approach. WYPT 132, upper Harda, c. 440m;  
 #6) ♂♀ in treetop, c. " do " " " c. 450m; 1 (H) c. dohan, upper Harda c. 435m.  
 #24) 1 seen well, " do " " " " ;  
 #14 cont) 2-3 " do " " " " ;  
 #37) 1 just after bath, " do " " " ;  
 #4) 2 c. WYPT 132, upper Harda, c. 445m;  
 #38) 1 " do " " " " ;  
 #15) 1 ♀ seen below dohan, upper Harda, c. 430m.  
 #10) pair dohan → CP10; " " " c. 420m.  
 #50) 1 at end of AM birdwalk, c. 460m; 1 (H) dohan → CP10, upper Harda Khola, c. 425m.  
 #45) flock (H) dohan → CP10, c.

## Breeding record

- #39) White-throated Kingfisher — pair passing by lunchstop, 1 of which carrying a larva to 2 perches; other bird nearby in adult plumage + behavior; upper Harda Khola lunchstop, c. 480m.

(100)

3 May 2003 CP9, far upper Lalbhitiya Nadi, Parsa WR ( )  
 Day 20 — CP10, upper Harda Kh., Chitwan NP ( )

50. Blue-throated Flycatcher — 1 (H) up rivulet from CP9, c. 450m  
 dit. 51. Black-winged Cuckooshrike — 1 (H) <sup>calling from</sup> ravine <sup>550-</sup> N/dn in Harda Khola, c. 600m  
 Parsa 52. Crested Serpent Eagle — 1 (H) <sup>[omitted]</sup> ascending Churia crest, c. 600-650m  
 dit. 53. Indian Cuckoo — 1 (H) <sup>(Chitwan)</sup> in ravine below " do " c. 500-580m.  
 ↓ 54. Crested Treeswift — 1 seen on Churia spur, Chitwan NP, c. 580-600m  
 55. Puff-throated Babbler — pair descending into Harda Khola, c. 500m.  
 56. Greater Yellowape — ♀(?) " do " " c. 485m. <sup>+ ♂ seen nearby; sharp "chomp" contact note</sup>  
 57. Shikra — 1 (H) descending upper Harda Khola, c. 470-490m.  
 #58) Collared Owlet — 1 (H) <sup>Ph!</sup> " do " " <sup>another record below min. elev. (40m)!</sup> lunchstop, c. 480m.  
 59. Nuthatch — 1 (H) " police whistle-like call, past lunchstop <sup>c. 475m.</sup>  
 60. Spangled Drongo — 1 seen well, downstream from lunchstop, upper Harda <sup>c. 475m.</sup>  
 61. Common Green Magpie — ≥1 " do " " " c. 460m.  
 62. Greater Racket-tailed Drongo — 1 " do " " c. 450m  
 63. Velvet-fronted Nuthatch — 1 (sex?), " do " do " c. 460m  
 #64) Grey Treepie — 1, unusually low elev!, " do " " c. 450m.  
 #65) Pale-footed Bushwarbler — 1 (H) in Saccharum littoral " do " "  
 66. Red Junglefowl — 1 (H) further down upper Harda, approach WYPT 132, <sup>c.</sup> 440m  
 67. Common Hawk Cuckoo — 1 (H) " do " " " " "  
 68. Chestnut-winged Cuckoo — 1 (H) " do " " " c. 440m  
 69. Dollarbird — 1 in leafless treetop, approach. WYPT 132, upper Harda, c. 450m.  
 70. Red-vented Bulbul — 1 c. start of water c. " do " " c. 440m.  
 71. Eurasian Cuckoo — 1 (H) past WYPT 132, calling from Churia hill, c. 465m  
 72. Grey Wagtail — 1 in non-breeding plumage, c. stream dohan, c. 430m  
 73. Oriental Pied Hornbill — flock (H) off upper Harda, past " do " c. 440m  
 74. Jungle Owlet — 1 (H) approaching CP10, " do " , c. 425m.  
 'kau-kuk' + 'hoo-hoo-hoo' calls; habitat atypically dense for this sp.

(101)

Additional records:

[#62] 1 across from CP10, past twilight, c. 420m;

[#1] 1 (H) c. CP10, starting past 9PM; c. 425-440m;

[#29] 1 (H) c. CP10 after twilight, c. 420m.]

Habitat:

(102)  
3 May 2003 CP9, far reaches, upper Lalbhitiya, Parsa WR ( )  
Day 20 - CP10, upper Harda Kh., Chitwan NP ( ).

(Species list continued)

Route:

103

GPS Coordinates:

Elev (m)

CP 10 (upper Harda Kh, Chitwan NP): 27° 27.225' N 84° 41.819' E (413)

# WYPT 133 (end pt. AM birdwalk upstream from CP 10): 27° 26.773' N 84° 42.048' E (433)

WYPT 134: 27° 27.568' N 84° 41.505' E (382)

CP 11 (middle of middle Harda Kh, Chitwan NP): 27° 30.311' N 84° 41.141' E (298)

Weather: Rain during night, into pre-dawn hours, actually almost to dawn; misty in early AM; quite wet & damp; 65°F at 06h00; diffuse (not bright) sunlight until 08h00 (due to mist + haze?); full sun by 09h00; overcast morning in c. 14h00; winds pick-up; mid-day upper 80s → low 90s F; overcast back off in afternoon; hazy thru dusk

#41 Long-tailed Broadbill - Nesting, both parents active, one seen sitting briefly on nest, which is suspended from a tall, leafless tree, out near end of canopy branch (only c. 15cm from end of branch) overhanging upper Harda Kh. (photo'd); nest large mass of sticks, twigs, brown leaves, & a bamboo culm; c. 12" diameter at rim. Other bird seen bringing food to nest; ungainly suspension by rim on thin branch; upstream from CP 10, c. 425m (20m above stream?).

#40 Black-naped Monarch - a ♂/♀ pair, same immediate vicinity, ♀ seen carrying & pausing with a beakful of small winged insects, appearing as a tuft in beak; 2nd rivulet upstream from CP 10, c. 425m, upper Harda Khola.

#42 Blue Whistling Thrush - nest 13x10 cm, c. 10cm in height; built in a recessed cavity of sheer conglomerate wall, under meander of Harda Kh., 1.0m from nest bottom to top of H2O in meander; 3 pale green, rufous vermiculated mottled eggs; photo'd; bird flushed from nest. \*new minimum elev. for sp. in Nepal, previously 470m (G. et al. '00); (Rajan found nest in AM) downstream from CP 10, c. 410m.

Effort: 05h45 - 10h30 (AM birdwalk, upstream CP 10) 5.25

11h30 - 18h45 (afternoon march, CP 10-11) 9.25

(less bath at confluence) -0.50

≅ 14.00

104

4 May 2003 CP 10, upper Harda Kh, Chitwan NP ( )

Day 21 - CP 11, middle Harda Kh, Chitwan NP ( )

1. White-browed Scimitar Babbler - ≥ 1 (H) a bit upstream from CP 10, c. 415m. <sup>upper Harda Khola</sup> another seen later in day (pg. 105)

2. Blue-throated Barbet - 1 (H) c. CP 10, " do "

3. Ashy Bulbul - 1 (H) c. CP 10, upper Harda Khola, c. 420m.

4. Eurasian Cuckoo - 1 (H) upstream from CP 10, c. 430-450m

5. Scarlet Minivet - ≥ 10<sup>+</sup> H & seen c. CP 10, c. 425-430m

6. Great Hornbill - a pair observed for c. 10 min. in tall trees off/inside forest c. CP 10, c. 435-440m; beautiful views; birds gronking + hopping around in tall branches high off the ground.

7. Black-naped Monarch - ♀ c. CP 10, c. 425m.

8. Dollarbird - 1 cavorting c. treetops, c. CP 10, c. 440m - 435m

9. Black Bullbul - 1 in treetop, c. CP 10, c. 420m.

10. Black-backed Forktail - 1<sup>+1 (pr?)</sup> upstream from CP 10, c. 420m.

11. Nepal Fulvetta - ≥ 2 (pr?) " do " " c. 420m. ✓

12. White-throated Fantail - 1 " do " " "

13. Striped Tit Babbler - ≥ 1 seen + H in rivulet, <sup>of dense tangles</sup> upstream of CP 10, c. 420m.

14. Pale-chinned Flycatcher - 1 seen singing " do " " 4

15. Red Junglefowl - ♂<sup>+</sup> seen well crossing Khola, upstream... " do "

16. Red-breasted Parakeet - 1 (prob. 2) flying overhead, " do " "

17. Ashy Drongo - 1 hawking insects above/c. upper Harda, up from CP 10

18. Grey-faced Babbler - pair in dense streamside veg, up from CP 10, c. 425m.

19. Yellow-bellied Yuhina - 1 seen & H in another rivulet, " do " "

20. Greater Necklaced laughing thrush - small flock, 1 seen well, streak ear coverts intact necklace; up from CP 10, c. 420m.

21. Plum-headed Parakeet - ♂ seen well, upstream from CP 10, c. 425m.

\* 22. Ruddy Kingfisher - 2 sightings of same (?) individual, upstream from CP 10, c. 420+425m; G. et al. '00: "Rare & local resident in Churias, Chitwan, 305m." New max alt. for sp. in Nepal. G. et al. '98: "HABITS: Secretive, shy + little known." Observed to occasionally bob, mostly with head but leans forward + puts shoulders into it; at times flicks tail upwards; twists head around looking for prey; tail flicked more rapidly when head twisted; flicks wings outwards, not in unison w/ tail; perched for 3-4 min in sub-canopy dense forest edge of upper Harda Kh, away from H2O. Few deep pools; only c. 3x3m; 8-10cm fish; not much fish available as prey!

Additional records:

- #14) another seen singing up rivulet, upstream of CP10, c. 420m; <sup>upstream of CP10, c. 425m</sup> earlier, same 2 birds seen later, same 2 birds seen
- #9) 1 <sup>+1</sup> seen upstream from CP10, c. 425m; pr. mobbing #28, upper Harda, c. 450m.
- #7) ♂/♀ pair, w/ ♀ carrying tuft of insects, in rivulet tangles, upstream of CP10, c. 420m.
- #3) flock of 3 upstream of CP10, c. 425m (including 1 bird seen earlier c. CP10?)
- #5) another (?) ♂ " do " " "
- #2) 1 (H) upstream from CP10, c. 425m; 1 seen upper Harda, approach WYPT 134
- #10) 2nd bird, forming pr. " do " c. 420m;
- #11) ≥ 3 further upstream from CP10, c. 420m;
- #16) 1 juv alone, then flock of 4 ad., upper Harda, c. 450m; 1 (sex?) WYPT 134 → CP11, c. 350m.
- #7 cont.) ♂ mobbing #28, upper Harda Kh., c. 450m;
- #17) pair upper Harda Kh., c. 400m;
- #26) 1 (H) at conglomerate cataracts, c. 400m;
- #9 cont.) 1 (H) below CP10, upper Harda, c. 400m; pr. further on, c. 400m; CP11, c. 350m <sup>pr. WYPT 134 →</sup>
- #2 cont.) 1 (H) <sup>then seen</sup> do " " " ; 1 (H) below <sup>WYPT 134</sup> dohan, c. 375m.
- #3 cont.) pr. carrying food, see below;
- #14 cont.) 1 (H) downstream from CP10, upper Harda, c. 400m;
- #24) 1 (H) c. dohan, <sup>WYPT 134</sup> upper Harda, c. 385m; 1 (H) farther on, c. 375m; <sup>1 more seen farther on 350m</sup>
- #32) 1 (H) <sup>seen moving from tree tip to tree tip</sup> do " " "

Breeding records (cont.):

- #43) Ashy Bulbul - pair carrying food, upper Harda Khola, downstream from CP10; 1 bird w/ a blue-black berry & the other w/ a tuft of winged insects; did not try hard to find nest; no young H or seen in vicinity; c. 400m
- #44) Blue-tailed Bee-eater - nesting colony in steep vertical <sup>sandstone</sup> cliffs, under most Churias, side of Harda Khola, approaching CP11, c. 300m; ≥ 6 holes in cliff active w/ c. 15 birds hawking & clutching soil face of cliff; DSRai counted 82 holes - almost of which inactive/old. Only 6 seen visited.

4 May 2003 CP10, upper Harda Kh., Chitwan NP ( ) -  
Day 21 CP11, middle Harda Kh., Chitwan NP ( ).

- 23. Oriental Magpie Robin - ♂ seen + H, upstream from CP10, c. 420m
- 24. Black-hooded Oriole - ♂? " do " " "
- 25. Dark-winged Cuckooshrike - 1 glimpsed + H " do " " c. 425m <sup>(but another seen + H well later in day; see pg. 107)</sup>
- 26. Common Tailorbird - 1 + 1 (H) upstream from CP10, Harda Kh., c. 425m
- 27. Oriental White-eye - 1 seen " do " " "
- \*28. Tawny Fish Owl - 1 seen well dorsally perched high <sup>N.B. no real orange-rufous to tail, rump or lo tips; perched in tall trees</sup> (20-25m) in tall trees <sup>in flt.</sup> top of sheer sandstone cliff, outer meander of upper Harda Khola; fairly good views of side, white throat patch when headed turned to look at me, good long view of back; head seen well; ear tufts as in G. et al. '00 plate; plain brown c. eyes; iris dull yellow; contrasting white on face; upper parts (particularly back + mantle) heavily streaked (ears not with rufousy-brown, orangish back ground; lower back duller brown with feather tips held as buff. Tail dorsally brown + buff pattern lacking orange; in flt. underwing noticeably pale; horizontal or <sup>Brownish</sup> <sup>Owl</sup> <sup>new max. elevation in Nepal. Added by pr. of #9s + #7s, + pr. of #29. Head definitely orangey</sup> <sup>shallow pools of water; v. few rills; strategic perch overlooking meander;</sup>
- 29. Black-headed Bulbul - pr. mobbing #28, upper Harda Khola, c. 450m.
- 30. Greenish Warbler - 1, not seen well, silent, " do " " c. 440m.
- 31. Chestnut-headed Bee-eater - 1 in tree top, " do " " "
- 32. Drongo Cuckoo - 1 (H) c. end pt A11 birdwalk, upper Harda Kh., c. 450m. <sup>(WYPT 133)</sup>
- 33. Long-tailed Broadbill - pair nesting upstream from CP10, " do " c. 435m. <sup>omitted</sup>
- 34. Lesser Racket-tailed Drongo - 1 c. WYPT 133, upper Harda Kh., c. 450m. <sup>distinct view: no real crest; rackets oval, not twisted</sup>
- 35. Orange-bellied leafbird - ♂ WYPT 133 → CP10, " do " c. 435m.
- 36. Red-headed Trogon - ♀(?) seen briefly, " do " " c. 430m.
- 37. House Swift? / <sup>(prob. Silver-backed)</sup> Mystery Needletail - flock of 4 or 5 over forest + stream, WYPT 133 - CP10; short, slightly forked tail? no white on abdomen or vent (seemed so)? white rump? not typical habitat for House Swift; too large for White-rumped Needletail? (prob. = #50).
- 38. Streaked Spiderhunter - 1, WYPT 133 → CP10, upper Harda Khola, c. 430m.
- 39. White-throated Kingfisher - 1 seen c. end pt. A11 birdwalk, " do " c. 435m. <sup>omitted</sup>
- 40. Crested Serpent Eagle - 1 over Harda on dep. from CP10, c. 430m.
- 41. Blue Whistling Thrush - ≥ 1 bird nesting in sheer wall, outer meander of upper Harda Kh., just downstream from CP10; photod; bird flushed from nest; see pg. 103; new minimum elev. for Nepal c. 410m, prev. 470m (G. et al. '03)

Additional records;

- #4) 1 (H) [diff. bird?], c. dobhan, upper Harda, c. 390m; upper Harda Khola
- #31) 1 seen " do " " " ; 1 WYPT 134 -> CP11 c. 340m
- #35) ♂ c. WYPT 134, Harda dobhan, c. 385m;
- #25) 1 seen + H in tall Bombay below, c. 370m; 1 (H) WYPT 134 -> CP11, c. 340m.
- #55) 2 more, WYPT 134 -> CP11, c. 350m;
- #54) pr. WYPT 134 -> CP11, c. 320-340m;
- #24 cont.) 1 (H) " do " " " ;
- #9 cont.) pair " do " " " ;
- #47) small(?) flock " do " " " ;
- #15) 1 (H) approaching CP11, Harda Kh., c. 300m;
- #21) ♂ seen " do " " " " " ;
- #56) 1 along Khola, approach CP11, c. 290m;
- #6A) nesting colony " do " " " " (see pg. 105);
- #31) 1 on grass stalk, approaching CP11, c. 300m;
- #61) 1 (H) approaching CP11, Harda Khola, c. 300m;
- #69) another (H), c. CP11, c. 290m;
- #42?) 1 (H) c. 21h30 from CP11; metallic double note - same pitch; quite distant.
- \* ↑ possibly Eurasian Scops Owl?? see G. et al, et al ...

G. et al '00: "rare + local resident, mainly at Chitwan; below 250m. @ c. 320m new max alt!

4 May 2003 CP10, upper Harda Kh, Chitwan NP ( ) -  
Day 21 CP11, middle Harda Kh, Chitwan NP ( ) .

- 42. Chestnut-winged Cuckoo- 1 (H) past CP10, upper Harda, c. 400m ← then seen giving its scratchy up + down call.
- 43. Chestnut-bellied Nuthatch- ♂/♀ pair " do " " "
- 44. Mystery ♀ Sunbird- seen high up in canopy, " do " " "
- 45. <sup>omitted</sup> Fulvous-breasted Woodpecker- ♀ seen well, above CP10, c. 435m.
- 46. Grey-headed Canary Flycatcher- 1 (H) below CP10, c. 400m.
- 47. <sup>omitted</sup> White-crested Laughingthrush - flock (H) on rtn to ↑, c. 425m, again well below previous min. elev. in Nepal.
- 48. Collared Owl - 1 (H) downstream from CP10, c. 400-420m.
- 49. Great Racket-tailed Drongo- 1 seen well, just below dobhan, c. 380m (more over-forest than Harda Khola course).
- 50. Silver-backed Needletail - up high + flying quickly; seen well from below; 3 or 4 birds; no sign of white-throat (good blue sky background); silent; over dense broadleaf forest + Harda Khola, c. 370-390m; (#37 in AT probably this species) (no saddles) farther downstream seen even better; dipping, skimming + drinking Khola.
- 51. Grey Treepie - pair moving past; below Harda Kh. dobhan, c. 380m.
- 52. Common Green Magpie -> pair in dense ↑ " do " tangles, c. 375m (= WYPT 134)
- 53. Hill Myna - pair flying across Harda Kh., below dobhan, c. 380m.
- 54. Red-vented Bulbul - 1 in same tree (Bombay) as #25 ↑, " c. 370m.
- 55. River Lapwing - 1 <sup>+1 (= PT?)</sup> seen in Harda Kh. braided flats, c. 365m.
- 56. White-browed Wagtail - 2 <sup>(= family group)</sup> adult w/ juv. along Harda Kh. WYPT 134 -> CP11, c. 350m
- 57. Himalayan Bulbul - 1 is sat top " do " " "
- 58. Lesser Fish Eagle <sup>(at same site along Harda Khola as #50s, sipping for H2O) c. 320m</sup> broad-winged; pale grey wings dorsally w/ dark grey tips; pale/uniform belly; grey head as well; fairly large size; tail textured, uniform? grey; no white at base? no streaking or barring in plumage; low flight. ♀ clinging upside dn to the trunk uttering faint chatter as contact or alarm; WYPT 134 -> CP11, Harda Kh. 350m.
- 59. Velvet-fronted Nuthatch - as contact or alarm; WYPT 134 -> CP11, Harda Kh. 350m.
- 60. Greater Yellowape - ♂ seen well, open sat, Harda edge, " do " " "
- 61. Common Hawk Cuckoo - 1 (H) WYPT 134 -> CP11, upper-middle Harda Kh, c. 350m
- 62. Collared Falconet - 1 seen flying to perch, " do " " " c.
- 63. Alexandrine Parakeet - ≥ 1 seen well + H, " do " " "
- 64. Blue-tailed Bee-eater - ≥ 5 hawking over Harda Kh, approach. CP11, c. 300m.



- 65. Emerald Dove - 1 seen <sup>approaching CP 11.</sup> darting through understorey, in <sup>edge of upper Harda Khola, c. 295-305m</sup> flt. ↗
- 66. Bronzed Drongo - 1 <sup>atop staklin</sup> red sandstone cliff/forest edge, c. 300m ↗
- 67. Yellow-eyed Babbler - 1 seen in grass clump, approach CP11, c. 290m.
- 68. Red-wattled Lapwing - pair in Harda Kh. bed, " do " "
- 69. Indian Peafowl - 1 (H) <sup>mixed deciduous</sup> inside dry sal forest, " do " "
- 70. Large Cuckooshrike - 1 seen (sex?) edge " do " " "
- 71. Spotted Dove - 1 seen <sup>(distant but good view)</sup> (spots on back) " do " " c. 290-300m
- 72. Jungle Owllet - 1 (H) w/ 'kao, kao' " call " do " " c. 300m
- 73. Savanna Nightjar - 1 (H) <sup>(H) +</sup> c. CP11, <sup>+ seen well c. dusk → twilight, close</sup> Harda Khola. (Hijerd) range.
- 74. Indian Cuckoo - 1 (H) downstream from CP11, c. 280-290m.
- 75. Large-tailed Nightjar - 1 (H) + 1 seen + H " do " " "
- 76. [Oriental Scops Owl] - 1 (H) [+another H?] c. CP11, c. 20-21h, c. 300m
- 77. [Collared Scops Owl] - 1 (H) fairly distant from CP11, c. 21h30, c. 300m
- 78. Eurasian Thick-knee - 1 <sup>[omitted]</sup> in grass tuft <sup>quite far (≥ 1km) from water.</sup> + stoney rubble approach CP11. c. 285m.

(III)

5 May 2003 CP11, middle Harda Kh., Chitwan NP ( )  
Day 22 — CP12, inside Rapti sand flat, Chitwan NP ( )

(12)

GPS Coordinates:

			Elev. (m)
CP11 (middle of middle Harda Kh., Chitwan NP)	27° 30.311' N	84° 41.141' E	(298)
JYPT135 (flowing waters at confluence of Rapti & Harda Kholas)	27° 30.688' N	84° 40.775' E	(282)
JYPT136 (confluence of Rapti & Harda Khola (N bank))	27° 33.525' N	84° 41.208' E	(220)
JYPT137 (Rapti Nadi crossing pt. (N bank))	27° 34.415' N	84° 40.834' E	(230)
TPPUR (Pratappur gau. lunch + supply buy stop)	27° 34.878' N	84° 40.729' E	(217)
CP12 (inside Rapti sand flat Chitwan NP, near army post)	27° 33.711' N	84° 38.738' E	(203)

Weather: Clear and hazy at dawn; 67°F at 05h45, prob. not much off the night low. Warming up quickly once sun up over treetops + horizon of haze; hot, clear (but hazy) through morning to mid-day with very little breeze; continued cloudless + hazy, quite hot (90°F) remainder of day into evening.

Breeding record:

#45 House Sparrow - ♂ of pair collecting nest material (? possibly food?) at edge of Pratappur village, Chitwan jilla, c.

Effort: 04h45 - 05h30 (from tent? listening only?)  
05h30 - 07h45 (AM bird excursion)  
08h00 - 12h00 (AM march to Pratappur)  
16h00 - 16h45 (Pratappur → Rapti banks)  
18h30 - 19h15 (Rapti R. → CP12)

1. Indian Cuckoo - 1 (H) c. CP11, early AM, c. ← another seen later,
2. Eurasian Cuckoo - 1 (H) " do " ← another seen later
3. Drongo Cuckoo - 1 (H) " " "
4. Savanna Nightjar - 1 (H) " " "
5. Large-tailed Nightjar - 1 (H) " " "
6. Indian Peafowl - 1 (H) close by, ← another seen later in day.
7. Red Junglefowl - 1 (H) somewhat proximate, " "
8. Common Hawk Cuckoo - 1 (H) " " "
- ? 9. Chestnut-winged Cuckoo - 1 (H) double note, owl-like in quality, fairly distant, " do
10. Ashy Drongo - pair seen c. CP11, c.
11. Red-vented Bulbul - 1 pair " do " "
12. Oriental Magpie Robin - ♂ singing, vicinity CP11, c. <sup>seen</sup>
13. Oriental Honey-buzzard - pair, " do " "
14. Grey-breasted Prinia - 1 seen base of hills, forest edge, N of CP11
15. Indian Pitta - 1 (H) + not seen, " do " " "
16. Pale-footed Bush Warbler - 1 (H) " do " " "
17. Purple Sunbird - ♀ seen well ... " do " " <sup>(then ♂)</sup>
18. Asian Paradise flycatcher - ♂ white morph, c. 200m off/away.
19. Red-wattled Lapwing - 1 below end of H<sub>2</sub>O, middle Harda, c.
20. River Lapwing - 3 at end of H<sub>2</sub>O, middle Harda Kh., c.
21. Dollarbird - 1 seen in treetops c. end H<sub>2</sub>O, " do " "
22. Spotted Dove - 1 seen + H
23. Plum-headed Parakeet - 1H ♀♀, treetops W bank, middle Harda Kh.
24. Blue-throated Barbet - 1 (H) inside forest edge, " "
25. Yellow-footed Green Pigeon - 1 flying over/past, " do "

Additional records:

- #1) 1 seen + H, learning how to sing?, juv?, 1 (H) c. 1km N CP11, c.
- #3) 1 (H) c. end of H2O, c. <sup>Hardat Rato Kholas.</sup> middle Harda; 1 (H) at confluence, c.
- #4) 1 (H) " do " " " ; 1 (H) c. 2km from <sup>Harda/Rato</sup> confluence, c.
- #11) 1 seen " do " " " ; 1 c. 4km from <sup>Harda/Rato</sup> confluence, c.
- #15) another (H) opp. bank <sup>(#2: 1 on W bank, + 1 on E bank)</sup> Harda, c. CP11, c. ;
- #16) 1 (H) at confluence Rato + Harda Kholas, c. ; 1 (H) c. 2km N of Rato/Harda <sup>Kholas confluence, c.</sup>
- #20) 1 below Rato & Harda confluence, c. ;
- #7) 1 (H) " do <sup>(W bank grassland)</sup> " " ; 1 (H) c. 2km N Rato + Harda confl. <sup>in dry mixed broadleaf w/ sat forest.</sup>
- #9) 1 seen c. 1km N confluence Rato & Harda Kholas, c. ; <sup>good views 1 seen in dry stretch 3.5 km from confluence dry area! c.</sup>
- #17) ♂ " do " " " " " " " " " ; ♂ 4.5 km below confluence
- #23) ♂ in flt, " do " " " " " " " " ; <sup>+ ♀ farther up.</sup>
- #27) ♂(?) in Bombax tree, ↑ " do " " " " " " ; 1 (sex?) in tree top, c. 2km N Rato/Harda confl. c. ; pair mobbing #4, N of Rato & Harda confluence, c.
- #10) ≥ 1 " do " " " " " " " " ; ♀ c. 4.5 km from confluence middle Harda edge
- #37) ♀ " do " " " " " " " " ;
- #32) ≥ 1 " " do " " " " " " ; 1 in flt, 4-5 km below confluence, c.
- #3A) 1 seen c. 2km N Rato/Harda confluence, c. ; <sup>+ 1 in chase</sup>
- #3 cont.) 1 (H) c. 2-2.5km N of ↑, c. ; another c. 3km N confluence, c.
- #4) 1 (H) 2.5-3km N of Rato-Harda confluence, c. ; 1 (H) c. 3km from confluence <sup>c. 3km from confluence</sup>
- #6) 1 seen well (wow!), middle Harda edge, c. ; 2 (♀♀) flushed from <sup>short</sup> grass patch c. 1km S Rato/Harda confl. c. ; another seen farther on.
- #21) 1 at forest edge, middle Harda, c. 3.5km from confluence; (♂ 0.5km), c.
- #46) ♀ seen farther on, middle " do " " c. ;
- #18) white ♂ c. 4-4.5km from <sup>Harda/Rato</sup> confluence, c. ;
- #16 cont.) 1 (H) " ↑ " do " " " " ; another (H) farther another c. 5km on c. 1km, c. ; from confluence
- #11) 3 c. 4-5 km from " do " " " ;
- #33) 1 seen well ↑ <sup>(silent)</sup> " do " " " ;
- #43) pair farther on, c. 4.5km from <sup>Rato/Harda</sup> confluence, c. ;

5 May 2003 CP11, middle Harda Kh., Chitwan NP Day 22 ( ) - CP12, Rapti sand flat, ↑ ( ) .

- 26. Bronzed Drongo - 1 seen well, end pt. AM birdwalk, c. <sup>W bank, middle Harda Kh.; call a repetitions croaky-like phrase.</sup>
- 27. Chestnut-shouldered Petronia - 1 (sex) c. ↑ " do " " "
- 28. Red-breasted Parakeet - ♂/♀ pair in flt, overhead, ↑ " do " "
- 29. White-throated Kingfisher - pair in forest edge, ↑ " do " "
- 30. Blue-tailed Bee-eater - ≥ 1 c. " do " " "
- 31. Hill Myna - pair flying up river bed, end pt. AM walk → CP11, c.
- 32. Chestnut-tailed Starling - 1 ↑ " do " " " "
- 33. Black Francolin - 1 (H) c. end pt. AM birdwalk, c. <sup>calling from another seen later in day.</sup>
- 34. Black-hooded Oriole - 1 (sex?) flying over Harda Kh., c. CP11
- 35. Lesser Coucal - pair c. confluence Harda & Rato Kholas, c.
- 36. Crested Treeswift - pair below " do " " " "
- 37. Scarlet Minivet - ♂ at confluence " do " " "
- 38. Orange-bellied/Golden-fronted leaf bird - 1 seen only upper parts, just below Rato & Harda confluence; c. <sup>Linnated Barbet?</sup>
- 39. Large Cuckooshrike - 1 (sex?) c. 1.5km N <sup>Rato & Harda</sup> confluence, c.
- 40. Chestnut-capped Babbler - 1 seen well, ↑ " do " " "
- 41. Osprey - 1 over Harda Khola bed 1.5-2km N of Rato confluence, c. <sup>mobbed by pr. of #10.</sup>
- 42. Ashy Woodswallow - pair along Harda, ↑ " do " " "
- 43. Indian Roller - low Harda Kh., c. 2.5km from ↑, c.
- ? 44. Eurasian Thick-knee - 1 seen in flt & flushed; along dry stretch of Harda Khola bed: wide & stoney. No doubt expressed on tape, 'seen well', but not typical habitat for the sp. See G et al. '00. c.
- 45. Linnated Barbet - 1 seen + H, over middle Harda, c. 3km from <sup>Rato</sup> confluence
- 46. Red Collared Dove - ♂ in <sup>middle</sup> Harda Kh. side trees, c.
- 47. Chestnut-headed Bee-eater - 1 " ↑ " c. 3km from confluence, c.
- 48. Common Tailorbird - 1 (H) farther along middle Harda, forest edge. <sup>sal.</sup>

Additional records:

- #27) 1 (sex?) in leafless forest edge tree, c. 4-5 km below <sup>Rāto/Harda</sup> confluence, c.
- #47) 1+1 c. 4.5-5 km below <sup>Rāto/Harda</sup> confluence, c. ;
- #29) 1 c. ... ↑ " do " " " ;
- #39) 1 ♂ ... ↑ " do " " " ;
- #2) 1 (H) <sup>then seen</sup> ↑ <sup>mobbed a #10</sup> " " " " ;
- #10 cont.) 1 mobbing #2 above, " do " ;
- #12) a ♂ c. 5 km below <sup>Rāto/Harda</sup> confluence, c. ;
- #37 cont.) ♂ " do " " " ;
- #44?) 1 flushed in dry bed c. 1 km S Rapti/Harda confluence, c.
- #1) 1 (H) c. Rapti/Harda confluence, c. ; another (H) calling from across Rapti
- #8) 1 (H) calling from across Rapti, c. ;
- #9) cont.) 1 (H) from grove/forest patch, Rapti banks, c. ;
- #5) 1 (H) c. CP12, sandy, grassy flats inside Chitwan NP at twilight, c.
- #4) 1 (H) <sup>(not diagnostically)</sup> + seen c. CP12 at twilight, c.

Habitat:

- Sitan reported good views of ♂ in open, then squatting in short grass next Atl. <sup>200m</sup> from CP.
- (74) Brown Fish Owl — 1 dead <sup>1 eye disfigured; dead > 24 hr.</sup> in sandy flat at grass tuft. c. CP 12.
- (75) Bengal Florican — ♀ <sup>in open patchy short grass of sandy flat at CP edge.</sup> passing by CP12 dusk → twilight, c.
- <sup>(sharp, loud)</sup> seen through binox but light poor; structure + plumage conforms to plate; gave <sup>chick-like</sup> call per G. et al. '98 when disturbed by our presence. (not ♀ Lesser).

- middle Harda, 3-3.5 km from confluence.
- 49. Pale-chinned Flycatcher — <sup>c.</sup> pr. calling/singing at <sup>sā</sup> forest edge.
- 50. Jungle Babbler — <sup>c.</sup> 5 in leafless trees, island in Harda Kh., c.
- 51. Mystery small raptor — <sup>brown upperparts, light brown under, in treetops</sup> at forest edge, middle Harda Kh., c.
- 52. Crested Serpent Eagle — 1 seen + H c. 4 km from <sup>Rāto/Harda</sup> confluence, c.
- 53. Jungle Myna — 4 c. 4-4.5 km from <sup>Rāto/Harda</sup> confluence, forest edge, c.
- 54. Black-winged Cuckooshrike — 1 (H) c. 4.5 km " do " "
- 55. Chestnut-bellied Nuthatch — 1 seen + H c. 5 km " do " "
- 56. Plain Martin — <sup>3-4. hawking low; no pale rump; 2nd pass seen well; c. 5 km below confluence; c.</sup>
- ? 57. Fork-tailed Swift? — 1 <sup>distant over Khoja bed.</sup> long call, ↑ " do " " "
- 58. Mystery small raptor — <sup>white rump (!?) different than #51.</sup> distant view, ↑ " do " "
- 59. Pied Bushchat — ♂ c. 1 km S of Rapti/Harda confluence, c.
- 60. Plain/Graceful Prinia — 1 at a distance, c. ↑ " do "
- 61. Little Ringed Plover — pair in c. Rapti mudflats, c.
- 62. Common Myna — pair flying over Rapti, → Pratappur, c.
- 63. Eurasian Golden Oriole — ♂ in flt. over Rapti, → Pratappur, c.
- 64. Asian Pied Starling — 1 in simal top, opp. bank Rapti, c.
- ? 65. Besra — <sup>? underparts not seen well, but overall plumage structure suggests</sup> 1 opp. bank of Rapti, c. , approach Pratappur.
- 66. Asian Koel — 1 (H) calling from bamboo clumps, Pratappur, c.
- 67. Indian Pond Heron — 1 in flooded rice khet, " do " "
- 68. House Sparrow — pair, ♂ <sup>(see pg. 111)</sup> collecting material, edge Pratappur, c.
- 69. Large-billed Crow — 1 in planted sisoo ban, Pratappur → Rapti, c.
- 70. Greater Coucal — pair calling in ↑ " do " " " "
- 71. Woolly-necked Stork — 1 moving up Rapti, seen from embankment, c.
- 72. <sup>(omitted)</sup> Mystery Bush Warbler — 1 (H) is <sup>not Pale-footed.</sup> sisoo ban, v. shy; diff. call; c.
- 73. Little Egret — 1 seen in Rapti R. amongst <sup>(many people fishing)</sup> disturbance, crossing back over.

← =

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GPS Coordinates:

Elev. (m)

CP 12 (inside Rapti sand flat Chitwan NP, near army post)	: 27° 33.711' N 84° 38.738' E	(203)
WYPT 138 (lunch stop māchan in phantha W CP 12)	: 27° 33.560' N 84° 36.941' E	(195)
MACHAN (along Rapti S bank W of MACHAN)	: 27° 33.332' N 84° 36.345' E	(189)
WYPT 139 (in wide grass patch approach CP 13)	: 27° 33.191' N 84° 35.394' E	(192)
WYPT 140 (dd Khets c. Amrit post, Rapti S bank, Chitwan NP)	: 27° 32.495' N 84° 33.890' E	(180)

Weather: Clear, hazy + somewhat cool, w/ heavy dew c. dawn; 60°F at 06h00; sun quickly warming up environs once up over treetopped forest edge at 07h00; mostly sunny w/ a few scattered clouds + hazy at mid-day; 94°F at 14h00; mid-90s in afternoon; suffocatingly hot + humid walking into blazing sun in 2-3m grass heat exhaustion, near sun stroke; v. oppressive

#48 large-billed Crow - large untidy nest of sticks in tall tree top, c. 200m S of phantha in forest edge trees; c. ; at one pt 2 birds on nest almost finished? not sitting on nest.

Breeding record:

Pied Kingfisher (#46): same(?) bird seen flying up section of big stream W of CP 12, each time with roundish piece of food. long flights; prob. carrying to nest/young rather than disturbed; c.

#47 Rufous-winged Bushlark - 1 bird carrying food, c. phantha + Rapti mudflats, c. 3.5km W of CP 12, c. ;

Effort:	05h45 - 07h00 (AM birding c. CP 11)	1.25
	07h30 - 12h30 (AM march)	5.00
	14h30 - 17h00 (afternoon march to river crossing)	2.50
	17h45 - 19h00 (across river after rest/recovery to CP 13)	1.25
	Σ =	10.00 hr.

6 May 2003 CP 12, inside Rapti sand flat, Chitwan NP ( ) 118  
Day 23 - CP 13,

1. Black Francolin - 1 (H) c. CP 12, early AM, c. ← another seen later in day; see pg. 121
2. Indian Cuckoo - 1 (H) " do " " " "
3. Jungle Owlet - 1 seen + H calling, " do " "
4. Plain Martin - small flock over sand flats c. CP 11, c.
5. Indian Roller - pair c. CP 11, early AM, c.
- ? 6. Silverbacked Needletail - 3 over sandy flats, c. 240-250m quick, straight line flights, upper parts not seen well; uttering a chittery, soft call. White-throated also a possibility but that species typically not recorded so low on sub-cont. + NP?
7. White-throated Kingfisher - 1 seen + H edge sandy grassland, c. + c. CP 11
8. Indian Peafowl - 1 (H) calling vicinity CP 11, c. ← same bird seen later in treetop.
9. Rufous Treepie - 1 seen treetop " do " "
10. Lesser Coucal - 1 (H) calling vicinity CP 11, c. ; call not as hesitant as Greater.
11. Red-wattled Lapwing - 1<sup>+3</sup> seen in grassy flats, c. CP 11, c.
12. Velvet-fronted Nuthatch - ♂/♀ pr. grove edge, c. CP 11, c.
13. Chestnut-bellied Nuthatch - ♂? " do " "
14. Fulvous-breasted Woodpecker - ♂, ♀ + juv(?) " do " "
15. Oriental Magpie Robin - ♂ singing, leafless tree, grove, c. CP 11, c.
16. Paddyfield Pipit - 1 on log, grassy sand flats c. CP 11, c.
17. River Lapwing - 1<sup>+2</sup> mobbing me, " do " " "
18. Zitting Cisticola - 1 seen well perched, W of CP 11 in old course, c. then calling in flt.
19. Pied Bushchat - ♂ in shrubs, grassy sand flats, W of CP 11, c.
20. Rufous-winged Bushlark - 1 in flt, monotonous call " do " "
21. Woolly-necked Stork - a pair flying over sandy old river course, c. W of CP 11,
22. Black Ibis - pair, calling in flt, " do " " "
23. Black-crowned Night Heron - 1 at stream W of CP 11, c. large
24. Asian Openbill - 1 in breeding plumage, " do " " "

6 May 2003 CP12, inside Rapti sandflat, Chitwan NP ( )  
Day 23 - CP13,

Additional records:

- #8) 1 (H) calling 200-300m from CP11, c. ; 2 ♂♂ W of CP11, c.
- #1) 1 (H) calling c. stream edge grasses, W of CP11, c. ; 1 (H) c. 3km W of CP12, c.
- #17) 2 more along big stream W of CP11, c. ;
- #18) 1 (H) seen in flt edge ↑ " do " ; 1 in breed. plumage; 1 over phantha 3.5km W of CP12, c.
- #29) 1 adult seen later, further along ↑ " ; 1 along Rapti, c. 4km " do "
- #16) 1 seen displaying feather on W of CP12, c. ; 1+1 c. 3km W of CP12, c.
- #7) 1 perched c. 3km W of CP12, c. ; 1 3.5-4km W of CP12, c. ; 1 in open woodland W of māchān
- #5) 1 flying across Rapti ↑ " do ;
- #20) 1 seen well c. 3km W of CP12, c. ; 1 over/in phantha 3.5km W of CP12, c. ; 5-7 c. 4km W of CP12, c.
- #4) freq. sightings, totalling 15-20 marching W to 3km from CP12; over Rapti, c.
- #16 cont.) 1 in phantha on fallen log, c. 3.5km W of CP12, c. ;
- #11) 1 along Rapti R. flats 3.5-4km W of CP12, c. ;
- #23) pair " do " " " " ;
- #40) pair at stream c. lunchstop māchān, c. ;
- #1 cont.) 1 (H) c. māchān lunchstop, c. ;
- #15) ♂ singing + seen mid-day, c. māchān, c. ;
- #25) pr. resting mid-day in trees ↑ " do " ;
- #8 cont.) 1 (H) ♂?, phantha edge c. māchān, c. ; 1 (H) calling from Amrit ; post-aria, approach CP13, c.
- #50) 1+1 (pr?) in tall grass + short trees, past ↑ " ; 1 of which molting #53.
- #35) 1+1 (pr?) seen well, ↑ " do " ;
- #44) 4 bathing in Rapti, c. 4km W of CP12, c. ;
- #32) 1 along Rapti flats " do " " ;
- #27) 1 (H) " riverine open forest ↑ " ;
- #7 cont.) 1 " do " " ;
- #18 cont.) 1 " do " " ;
- #3b) 1 perched in tree, " 2km W of māchān. " " ;

- 25. Pied Kingfisher - 1 along stream W of CP11, c. later seen again & carrying food.
- 26. White-eyed Buzzard - a juv. over ↑ " " " "
- 27. Drongo Cuckoo - 1 (H) forest edge ↑ " " "
- 28. Purple Heron - 1 along big stream of Rapti (braid) " do " "
- 29. White-browed Wagtail - a juv. " " do " "
- 30. Little Ringed Plover - 2 ad. + 2 juv. " do " " "
- 31. Temminck's Stint - 4 " do " " "
- 32. Green Sandpiper - 1 seen well " do " " "
- 33. Silver-backed Needletail - throat can appear paler than G. et al '00 & not clearly offset from rest of underparts. plate; no 'saddles'; 2 pair, when together vocalized per G. et al '98; flying around me & over Rapti braid (open water); seen well; saddles definitely dark; swooping low with v. fast flt to either drink or pick insects off the surface of the water; also spending much time over <sup>short</sup> grassland + grassy sand flats; c.
- 34. Green-tailed Bee-eater - 1 along Rapti banks, 3km W of CP12, c. distant view & partially obscured. possibly Ashy; note #37? distant view. c. NO!
- 35. Black Drongo - 1 atop bush in phantha c. 3km W of CP12; (maybe #37) distant view. c.
- 36. Lesser Adjutant - 1 circling c. Rapti phantha c. 3km W of CP12; (another seen; see pg. 119) ?
- 37. Black Stork - pair 3.5km W of CP12, spirally to settle on Rapti flats, c.
- 38. Plain Prinia - 1 seen well + H, grassland edge to Rapti R., c.
- 39. Barn Swallow - 1 over Rapti flats, 3.5-4km W of CP12, c.
- 40. Common Myna - pair c. cattle, " do " " "
- 41. House Swift - lonebird seen well, swooping down to drink surface water, " do " " "
- 42. Crested Treeswift - 1 seen with c. stream c. māchān, c. in rather open country, surprisingly so for this sp.
- 43. Chestnut-headed Bee-eater - 1 on approach to lunch māchān, c.
- 44. Large-billed Crow - 1 in treetop c. māchān/lunchstop, c. from denser woodland to S.
- 45. Black-hooded Oriole - 1 (H) rather distant from māchān, c. ; not seen diagnostically, but v. large.
- 46. Alexandrine Parakeet - 3 flying over grassy sand flats, just W of CP12. (omitted) ; (silent)
- 47. Crested Serpent Eagle - 1 over phantha at lunch māchān, c.

6 May 2003 CP12, inside Rapti sandflat, Chitwan NP ( )  
Day 23 - CP13,

Additional records:

- #1) 1 seen well + H approach CP13, c ;
- #2) 1 (H) c Amrit post, " do " " ;
- #29 cont) 1 along Rapti, " do " ;
- #3) 1 (H) forest S of CP13, Rapti S bank, c ;
- #6) same birds?, pair at dusk over Rapti c. CP13, c. , hawking + descending to drink

- 48. Lesser Coucal - 1 (H) ingen. vicinity of machan phantha, c.
- 49. Coppersmith Barbet - 1 (H) c. machan phantha, c.
- 50. <sup>[omitted]</sup> Spotted Dove - 1+1 seen well 1-2 km W of CP12, c.
- 51. Black-winged Cuckooshrike - 1 (H) vicinity machan lunchstop, c.
- 52. Jungle Babbler - small flock in scattered trees, <sup>3 or 4?</sup> saps/small past " do "
- 53. Oriental Honey-buzzard - 1 in <sup>fairly</sup> pale plumage ↑ " do " #35. " "
- 54. <sup>[omitted]</sup> Common/long-legged Buzzard - 1 seen from afar, in phantha c. machan lunchstop c.
- 55. Red-vented Bulbul - 1 in open woodland W of machan, c.
- 56. Common Tailorbird - 1 (H) " do " " "
- 57. Red Collared Dove - ♂/♀ pair " do " " "
- 58. Blue-tailed Bee-eater - ≈ 2 (or pr. only?) " do " "
- 59. Oriental Skylark - 1 seen (not well) but H, short grass Rapti flat, <sup>displaying 1-2 km W of lunch. c. 4-5 km from CP12</sup> c.
- 60. Blue-throated Barbet - 1 (H) calling from mixed sal forest, 1-2 km W of lunch <sup>bordering Rapti</sup> c.
- 61. Jungle Myna - 15 flying to roost at dusk, approaching CP13, c.
- 62. White-tailed Stonechat - 3 ♂♂ <sup>approaching CP13</sup> in wide patch of short, open grass c.
- 63. Koel Cuckoo - 1 (H) approach CP13, c. Amrit post, Rapti edge, c.
- [64. Collared Scops Owl] - 1 (H) vicinity CP13, inside Rapti S bank, c.
- 65. <sup>[omitted]</sup> Common Greenshank - 1 <sup>seen</sup> poorly, but H well, <sup>late afternoon</sup> approach CP13, c.

Breeding records (cont):

#49) Blue-tailed Bee-eater - 4 in loose flock, hawking insects over Rapti R. S bank + bordering flats w/ grass; 1 bird seen flying straightline away with food (insect) in its beak. ∴ carrying food; 2 km W MACHAN, c.

GPS Coordinates:

Elev. (m)

- CP 13 (old Khets & Amrit post, Rapti S bank, Chitwan NP): 27° 32.495' N 84° 33.890' E (180)
- JITPUR (Jitpur gaur, Chitwan; outside NP?): 27° 32.462' N 84° 32.590' E (177)
- WAYPT 141 (fireline track towards Pipariya; off track from here): 27° 31.950' N 84° 31.713' E (187)
- WAYPT 142 (farthest pt. off track; backtracked to WAYPT 141): 27° 31.781' N 84° 31.739' E (200)
- WAYPT 143 (along fireline track; jet trail, turning W. start): 27° 31.884' N 84° 31.211' E (195)
- LUNS 11 (lunch stop along fireline track to Pipariya): 27° 31.974' N 84° 31.158' E (196)
- WAYPT 144 ( ): 27° 31.911' N 84° 30.578' E (193)
- CP 14 (fallow Khets SE of Bhawanipur post, outside NP): 27° 32.602' N 84° 28.670' E (162)

Weather: Cool, clear but very hazy in early AM; 61.5°F at 6h00; continued clear & quickly warming up in late AM; 90° at mid-day?; clear but hazy in afternoon; hot; humid + very hazy c. 18h00/dusk; oppressive!

#51 Ashy Drongo - pair nest building (nest almost complete); 1 bird using body to round out cup, 10-12m above ground in a sal tree, open sal forest, off to side of fireline track to Pipariya. Other bird using beak to arrange (stitch?) material c. rim. nest placed out on branch fork or old node; sticks w/ firm (neither bird bringing material). indiscernable cup lining

#50 Black Drongo - 1 recently fledged bird, sidled up to W in 0.3-0.4m by adult. Imm quivered its wings, but ignored; motionless for c. 10 min. edge of sal forest, track towards Pipariya, c. ;

Effort: 08h45 - 08h00 (AM birding c. CP13) 2.25  
 08h30 - 13h30 (AM march, NP edge) 5.00  
 15h00 - 19h15 (afternoon/evening march)

7 May 2003 CP13, c. Amrit post, Chitwan NP ( )  
 Day 24 CP14, in Khets SE of Bhawanipur post, outside NP.

1. Indian Cuckoo - 1 (H) c. CP13, early AM, c.
2. Common Hawk Cuckoo - 1 (H) " do " "
3. Drongo Cuckoo - 1 (H) " do " "
4. Indian Peafowl - 1 (H) calling from forest, c. CP13, c. <sup>c. 200m S</sup>
5. Indian Pitta - 1 (H) c. CP13, c.
6. Common Greenshank - 1 seen + H along Rapti c. CP13, c.
7. Plain Martin - 7 (6-8?) <sup>(+56 more)</sup> in general vicinity of CP13, c.
8. Pied Bushchat - ♀, ♂ (imm?) " do " "
9. Large-billed Crow - 1 mobbed by #10s, ↑ " do "
- ? 10. Black (?) Drongo - pair mobbing #9, ↑ " " seen in blinding light
11. Blyth's leaf Warbler - 1 seen + H well, " do "
12. Booted Warbler - 1 obs'd at length c. CP13, c.  
 \* gave a 'tick... tick' (short & sharp) from when 1st encountered c. few centimeters off the ground. Pale, diffuse eyebrow; bill not as heavy as in Blyth's; very active thereafter w/ short flights up into mango trees. Does not hop around as does Blyth's; making aerial sallies at the end of branches & twigs! bill short sharp, pointed & not all dark legs not all that dark. Overall dirty brown, grey-brown. Not as brown as G. et. al 98/00 plates, but '98 notes grey/brown in plumage wing. Size also smaller/much smaller than Blyth's. Tail not rounded as in Blyth's; call sounded harder than G. et al. description. More of 'check... check... check' (hard & short notes); eyebrow definitely <sup>plumbeous</sup> longer than in Blyth's; call notes (no 'chur... chur' <sup>per G. et al. '98</sup>) longer than in Blyth's; call notes nothing like Common Chiffchaff; bill of this bird (Booted) seen well several times & from different angles; also noted hovering briefly at ends of mango branches/leaves. Did not flick tail (or dip it); rarely licking wings. <sup>where tail flared & square-ended.</sup>
13. Jungle Myna - 1 settling into tree c. CP13, c.
14. Paddyfield Pipit - 1 in fallow khets " do " "
15. Zitting Cisticola - 1 (H) c. " do " "
16. Asian Koel - 1 (H) calling from grove/forest c. old village, c. CP13.
17. Purple Sunbird - ♂ flying c. CP13, c.



Additional records:

(and confirming Booted Warbler as bird seen earlier).  
another 1 seen v. well,  
streambank W of CP13, c.

- #11) 1 more, same vicinity as 1st, c. CP13, c.
- #22) 1 (H) W/SW of CP13, c. ; 1 along track → Pipariya, c.
- #10) pair in fallow khets W of CP13, c. ; pair E edge of Jitpur, c.
- #14) 1 W of CP13, c. ;
- #24) pair E edge of Jitpur, c. ; pair + 1 start of track → Pipariya
- #13) pair " " do " " " ; pair past Jitpur, c. ; past Jitpur.
- #8) ♂ in fallow khets, hedge E edge of Jitpur, c. ;
- #10 cont) another pair, passing through " do " ; 1 at lunchstop (LUNJ11) at forest edge.
- #23) pair c Jitpur, c. ; pair past Jitpur, c. ; pair, track → Pipariya.
- #9) 1 pursued by a #10, c. Jitpur, c. ;
- #32) pair past Jitpur, c. ; 1 past lunchstop, c. ;
- #24) 12-15 (1) W edge of Jitpur in recently flooded khets, c. ; 2 more trail/c track jct. → Pipariya
- #1) 1 (H) track → Pipariya, c. ; 1 (H) along track past Bhipur post, c.
- #2) 1 (H) " do " " " ;
- #13 cont.) 2 (pr?) c. trail/track jct → Pipariya, c. ; 2+2 track → Pipariya
- #39) pair in trackside veg., → Pipariya, c. ;
- #21) ♂ " do " " " ; ♂ past WYPT 141 on track.
- #31) 1 streamside, track → Pipariya, c. ; 1 at LUNJ11, lunchstop, c.
- #43) pair past stream, " do " " " ; pair past Bhawanipur khets, c.
- #36) 1 (H) c. LUNJ11 lunchstop, c. ;
- #30) 1 (H) " do " " " " ; ♂ W of LUNJ11, along track, c.
- #46) ≥ 1 at LUNJ11 on dep., c. ;
- #23 cont.) 1 past LUNJ11, c. ; 3-4 more past Bhipur post, c. ;
- #30 cont.) ♀ same tree as as #41, Bhipur post, fireline track, c. ;
- #41) ... ♂ " do " as #30, " do " " " " ;
- #24 cont) pair seen + sev. more H, past " do " " " " ; 1 more farther on, c.

- 18. Green Bee-eater - 1, c. CP13, S bank Rapti, c.
- 19. Rufous-winged Bushlark - 1 seen well + H, c. CP13, c.
- 20. Black Francolin - 1 (H) calling from grass patch, W of CP13, c.
- 21. Oriental Magpie Robin - ♂ seen singing W/SW of CP13, c. vicinity of #11 & 12.
- 22. Common Tailorbird - 1 seen c. CP13, early AM, c.
- 23. Common Myna - scattered pair in fall khets W of CP13, c.
- 24. Spotted Dove - 1 in flight W of CP13, c.
- 25. Rose-ringed Parakeet - ♂ low in reg., Khet E of Jitpur, c.
- 26. Coppersmith Barbet - 1 (H) calling from forest edge, " do "
- #27. Ruddy-breasted Crake - 1 seen in stream course reg, ↑ " "
- 28. Mystery Munia - small flock glimpsed, flying over ↑ " "
- 29. Indian Roller - 1 flying over streambed + scrub ↑ " "
- 30. Black-hooded Oriole - 1 (sex?) c. Jitpur, c.
- 31. Red-vented Bulbul - 1 c. Jitpur, c.
- 32. Asian Pied Starling - pair " do "
- 33. White-throated Kingfisher - 1 edge of Jitpur, c.
- 34. Asian Openbill - 7 soaring over Rapti, N of " do " "
- 35. Black Ibis - 1 out over Rapti, N of Jitpur, c.
- 36. Dark-winged Cuckooshrike - 1 (H) c. Jitpur, c.
- 37. Velvet-fronted Nuthatch - pair, s edge past Jitpur, c.
- 38. Common Hoopoe - 1 at sal forest edge, past Jitpur, c.
- 39. Great Tit - 1 in sal edge, track → Pipariya, c.
- 40. Rufous Treepie - 1 in scrub just past Jitpur, c.
- 41. Eurasian Golden Oriole - ♂(?) track → Pipariya, c.
- 42. Mystery Woodpecker - 1 f. large, sal forest ↑ " do " " (possibly same as #42?)

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7 May 2003 CP13, c Amrit post, Chitwan NP ( ) -  
Day 24 CP14 in Khets SE of Bhawanipur post, outside NP.

Additional records:

+2 more further on - 1 approach CP14.

- #13<sup>cont.</sup> 2-3 more past Bhimpur post, c. ; many more, c. 20m towards dusk, c. (evenly) flying in to roost
- #31 cont.) 3 past " do " " ;
- #21 cont.) ♂+♀ (not a pair?), past Bhimpur post, c. ; 3-4 in chase at dusk, past Bhawanipur Khets, c.
- #52 [omitted] - ♂/♀ pr. seen approach. LUNS 11, c. ;
- #29) 1 farther on past Bhimpur post, c. ;
- #46) 2 " do " " " " ;
- #24 cont.) 1 forest Khets edge, approaching CP14, c. ;
- #10 cont.) pair at dusk approach. CP14, c. ;
- #1) 1+1 (H) c. Bhawanipur Khets/CP14 at <sup>dusk</sup> twilight, c. ;
- #54) 1 (H) c. CP14 c. twilight, c. ;

- 43. Chestnut-tailed Starling - pair, track → Pipariya, c.
- 44. Grey-breasted Prinia - 1 in forest edge veg., ↑ " "
- 45. Oriental Turtle Dove - 1 (finally!) " do " " "
- 46. Jungle Babbler - small party (≥4) " do " " "
- 47. Lesser Yellowthroat - ♂ off track, open sal, → Pipariya, c. (=#42?)
- 48. Alexandrine Parakeet - 1 flying <sup>(sex?)</sup> part, " do " " "
- 49. Rose-ringed Parakeet - ♂ flying past, LUNS 11 lunchstop, c.
- 50. Grey-headed Woodpecker - ♀(?) on past LUNS 11, c.
- 51. Oriental Scops Owl - 1 (H) calling at 16h30 W of Bhimpur from <sup>(mixed sal)</sup> sal forest. Very unusual in that calling well before dark. G. et al. '98: (for H. Scops: "Entirely nocturnal + difficult to see, in common with all scops owls")
- 52. Large Cuckooshrike - ♂ in sal top, track past Bhimpur post, c.
- 53. Chestnut-headed Bee-eater - 1 off " do " " "
- 54. Jungle Owlet - 1 (H) farther along track past " do " "
- 55. Red Collared Dove - ♂ forest/Khets edge approaching CP14, c.
- 56. [omitted] Besra - 1 seen well during AM march; location?, c.
- 57. Asian Brown Flycatcher - frequently flicking tail upwards; 1 (on passage?) approaching CP14, Bhawanipur forest/Khets; G. et al. '00: "summer visitor 1000-1550"
- 58. Chestnut-winged Cuckoo - 1 (H) approaching CP14. from nearby forest at sunset, c.
- 59. Large-tailed Nightjar - 1 (H) at twilight, calling from forest c. CP14.
- [60. Brown Hawk Owl - 1 (H) several times 8-9 PM, c. CP14, c.]

Breeding records (cont.):

- #52. Jungle Myna: pair, one of which carrying food (type?) into forest from edge at LUNS 11 lunchstop, c. ;
- #53. Common Myna: two bird going into & out of nest hole, located in a V-shaped notch where <sup>stem</sup> sal tree splits 13-14m above ground; c. LUNS 11, c. Jitan said he saw 1 bird carrying food (type?); in open sal with bit of water.
- #54. Oriental Magpie Robin - a nest in vicinity of LUNS 11 lunchstop edge of sal forest; 3 nestlings, recently hatched, eyes unopened, + 1 egg (spoiled or not yet hatched); ♂+♀ bringing food to nest; nest material, Khār or similar with thinner stemmed grass, interspersed with fine twigs + dark roots; (insp. by JSR). nest recessed in tree fork, 45° broken branch w/ rest in hole; 32cm from outer surface of limb to top of nestlings; 3.8m above small stream c. base of tree.

GPS Coordinates:

- CP14 (fallow khets SE of Bhawanipur post, outside NP): 27° 32.602' N 84° 28.670' E (162)
- WAYPT 145 (Bhawanipur post, deserted, Chitwan NP): 27° 32.652' N 84° 28.543' E (157)
- WAYPT 146 (loss of trail, just pass well-watered stream): 27° 32.621' N 84° 28.150' E (168)
- WAYPT 147 (Gaida Tented Camp stream W of CP15?): 27° 32.551' N 84° 27.750' E (162)
- CP15 (tented forest + CP near Gaida Tented Camp): 27° 32.777' N 84° 27.925' E (171)

Weather: Mostly clear and hazy at dawn; quickly warming up with sunrise + past c. 07h00; clear but hazy + very hot & humid through late AM + into afternoon. some breezy periods in afternoon/late afternoon, but mainly calm and v. hot, v. humid; exhausted + feeling v. oppressed;

Breeding records:

- #55 Jungle Myna - a confident pair, perched & in flight, both in adult plumage, 1 carrying food; c. CP14 forest edge, SE of Bhawanipur post, c. (inside Chitwan NP)
- #56 Oriental Magpie Robin - ♀ seen in display, with ♂ nearby, NW of Bhawanipur post, Chitwan NP, c. ;
- #57 Collared Scops Owl - a breeding family, emerging from a nest cavity in tree next to tent site, CP15, c. ; young v. recently fledged, still with down, puffball appearance, lethargic, ungainly + dopy looking (spectacular!). cont. pg.

Effort: 06h00 - 07h20 (AM birdwalk c. CP14)  
 07h50 - 11h45 (AM march -> CP15)  
 14h30 - 19h00 (c. CP15 + Gaida Tcp)

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8 May 2003 CP14, in khets SE of Bhawanipur post ( )  
 Day 25 CP15

1. Indian Cuckoo - 1 (H) early AM c. CP14, c.
2. Indian Pitta - 1 (H) " do " "
3. Ashy Drongo - 1 seen, forest edge c. CP14, c.
4. Alexandrine Parakeet - 1 (sex?) " do " "
5. Eurasian Golden Oriole - 3 (2♂♂, 1♀) " do " "
6. Great Tit - 1 up hi in a tree, forest edge, " do "
7. Velvet-fronted Nuthatch - ♂/♀ pair ↑ " do " "
8. Chestnut-tailed Starling - ≥ 1 forest edge c. CP14, c.
9. Spotted Dove - pair at forest edge. . . . " do " "
10. Chestnut-headed Bee-eater - 1 at forest edge, c. CP14, c.
11. White-throated Kingfisher - 1 (H) " do " " "
12. Red Junglefowl - 1 (H) in forest c. CP14, c.
13. Spangled Drongo - 1 seen " do " " "
14. Fulvous-breasted Woodpecker - ♀ " do " "
15. Drongo Cuckoo - 1 (H) calling from forest W/c CP14, c.
16. Asian Pied Starling - pair in forest/+edge " do "
17. Red Collared Dove - ♂ in open forest W of CP14, c.
18. Plain Martin - 13-14 over c. CP14, c. early AM.
19. House Crow - 1 flying over CP14, early AM, c.
20. Yellow-footed Green Pigeon - 1 flying over CP14, c.
21. Black-hooded Oriole - ♂ c. Bhawanipur post, c.
22. Jungle Myna - pair c. CP14 early AM, c. (see pg. 129), 1 carrying food
23. Common Tailorbird - 1 (H) in tangles, c. CP14, c. (another seen later)
24. Emerald Dove - ♂ c. stream & forest edge, ↑ " do "
25. Red-breasted Parakeet - 1 (sex?) c. ↑ " do "

Additional records:

- #3) 1+1 (pr?) in forest W of CP14, c;
- #4) 3 (incl. 1 from earlier in AM?) over " do ";
- #22) 3-4 c Bhawanipur post, c; pair approaching CP15, c; pair c. CP15
- #9) pair at forest edge c " do "; 1 (?) edge Gaida Tent, CP, c; <sup>only?</sup>
- #10) 1 past Bhawanipur post, c; <sup>(eating a dragonfly)</sup>
- #5) ♀ or imm ♂ " do " " ;
- #6) 1 seen + H past " do " " ;
- #24) 1 (sex?) seen past " do " " ; ♂ farther on/to WNW, c;
- #31) 2 at log bridge WNW Bhawanipur post, c;
- #23) 1(H) " do " " ; 1 seen + H at Gaida Tent CP, c
- #14) ♀ c. WYPT 146, past stream + ♂ " do " ; ♂ seen hawking a moth or butterfly <sup>! approach. CP15, c; see not below.</sup>
- #21) 1(H) - later seen prob. same bird. approaching CP15 c; 1 seen at Gaida Tented CP, c;
- #12) 1(H) " do " " ;
- #37) 1+1 seen well, WYPT 146 → CP15, c; 1 at Gaida Tented CP, c
- #4) 1 seen + H c. CP15, c;
- #1) 1 (H) c. CP15, c; late afternoon;
- #33) 2 ♂♂ c. Gaida Tented Camp, c;
- #25) sluggish immature edge ♂ " do " ;

Behavior note:

c. 1 km W of WYPT 147, Gaida Tented CP, Chitwan NP.

Fulvous-breasted Woodpecker - a ♂/♀ pair observed searching for insects in the crevices of a sal stem as they hitched their way up. A day-flying moth (pale yellow) or butterfly flitted nearby. The ♂ made a sally c. 2m out from the stem + <sup>flying up towards canopy limbs</sup> adroitly hawked the prey. landed on a branch c. 10m up + dismembered the prey, (casting away the wings? not seen clearly). ♀ seen nearby; <sup>also on stem (5m)?</sup> observed for c. 5m (total) at c. 11h10. near forest/phantom ecotone.

8 May 2003 CP14, in Khets SE of Bhawanipur post ( )  
Day 25 - CP15,

- (26) Kalij Pheasant - ♀ c. Bhawanipur post, c. <sup>new min. elev. for sp. in Nepal; prev. - 245m (G. et al. '00)</sup>
- 27. Indian Peafowl - 1 (H) just past ♂ " do " "
- 28. Jungle Owlet - 1 (H) at 07h50 c. Bhawanipur post, c.
- 29. Oriental Pied Hornbill - ≥1 (H) farther past ♂ " do " " ; <sup>others seen later in day.</sup>
- 30. Grey-breasted Prinia - 1 (H) ... " do " " "
- 31. Striped Tit Babbler - pair ... " do " " "
- 32. Chestnut-bellied Nuthatch - ♀ ... " do " " "
- 33. Oriental Magpie Robin - ♂ <sup>then ♀ nearby in courtship display (seepg.)</sup> past WNW of Bhawanipur post, c;
- 34. Jungle Babbler - ≥1 farther ... " do " " "
- ? 35. Blue-throated Flycatcher - ♂(?) (H) singing ... " do " " "
- 36. Mystery Bush Warbler - not pale-footed, (H) in dense tangles, c. <sup>past Bhawanipur post,</sup>
- (37) Spangled Drongo - 1 <sup>(+ 1 more = pr?)</sup> seen well + H, with song(?), almost hair-like at times; <sup>up + dn scale very musical notes; not noted in G. et al. '98;</sup> farther past Bhawanipur post, c; <sup>call or song rather drawn out.</sup>
- 38. Pale-chinned Flycatcher - 1 in chase, apparently w/ another, c. <sup>farther past WNW of Bhawanipur post; 1 bird stopped along low branch to droop wings + cock tail (courtship display?).</sup>
- 39. Ruddy-breasted Crake - 1 seen in watered ravine, early AM, c. CP14, c. <sup>[omitted]</sup>
- 40. Red-whiskered Bulbul - 2 (pr?) at stream with log bridge WNW Bhawanipur post, c.
- 41. Linnated Barbet - 1 <sup>(seen v. well)</sup> eating berries in treetop, WNW Bhawanipur post, c.
- 42. Common Hawk Cuckoo - 1 (or 2) (H) calling at + past " do " " " <sup>[omitted]</sup>
- 43. Red-vented Bullbuls - pair in open mixed sal forest, ♂ " do " "
- 44. ?Pale-footed Bush Warbler - 1 (H) in thickets + grass, ♂ " do " " " <sup>(call not same as before?)</sup>
- 45. Grey-capped Pygmy Woodpecker - a ♂ just past WYPT 146, ♂ " do " "
- 46. Red-billed Blue Magpie - 3 mobbing troop of Rhesus monkeys, approach CP15.
- 47. Dollarbird - 1 overhead sal forest, approaching CP15, c.

Additional records:

- #38) 1 edge of Gaida Tented Camp, c. ;
- #45) 1 (sex?) edge <sup>+ 1 (= P.F.?)</sup> do " " " ;
- #8) ≥ 1 edge ↑ " do " " ;
- #22 cont.) pair " do " " " ;
- #40) pair edge grassland + ↑ " do " ;
- #45) 1 (sex?) " do " + stream <sup>w/</sup> CP15, c. ;
- #29) 1 (?) flying over grassland W of CP15 at dusk, c. ;
- #27) 1 (H) calling up stream W of " twilight " ;
- #51) <sup>≥ 2</sup> same? bird(s) calling as obs'd by CP15, twilight, c. ;
- #28) 1 (H) @ CP15 at twilight → dark, c. ;

Additional Breeding record:

#58) Chestnut-bellied Nuthatch - ♂ & ♀ seen bringing food to nesting hole in a sal stem c. 12m above ground; stem straight; adjacent to assistants' tent. observations initially by DSR, confirmed by SC, c. 1500; at CP15, c. ♀ carrying a butterfly larvae (pale yellow-green).

nest hole not examined? c. 5m above ground. did not want to scare off fledglings. Observed 14h 30 - 14h 42 a 43. young much smaller than parent; lack streaking mottled + bars; small sandy grey-brown uniform. <sup>genus is entirely nocturnal.</sup>

Breeding record (cont.)  
 #59) Collared Scops Owl - fledglings regularly uttered a subdued ('wuuk')-like call; 1 parent evidently called them out of the hole. It sat on a nearby branch & uttered v. similar, soft, indistinct 'wuuk' ('K' lacking?) from c. 10m away. 2 young emerged & hopped off carefully, <sup>pausing 1st time</sup> quite long between hops; young fully feathered, fledged; emerging <sup>because</sup> of us?

8 May 2003 CP14, in Khets SE of Bhawanipur post ( ) -  
 Day 2 CP15,

- 48. large Cuckooshrike - ♂ in treetops approaching CP15, c.
- 49. Mystery Flameback - <sup>1 seen not well + briefly ↑ + H.</sup> moving through, " do "
- 50. <sup>omitted</sup> Scarlet Minivet - <sup>how many? sex(es)?</sup> seen c. CP14, early AM, c. see pg. 129.
- 51. Collared Scops Owl - breeding family (!), by tent, CP15, c.
- 52. Chestnut-winged Cuckoo - 1 (H) early AM, c. CP14, c.
- 53. Chestnut-bellied Nuthatch - resting c. CP15, c. ; H-C <sup>Chitwa NP.</sup>
- ? 54. Great Hornbill - ≥ 1 (H) in distance (sev. 100m?), from CP15, c.
- 55. Greater Necklaced Laughingthrush - ≥ 2 in fern boles on sd, Gaida Tent. CP.
- 56. Grey-headed Woodpecker - pair in chase, c. Gaida Tented CP, c.
- 57. Himalayan Flameback - ♀ at edge of <sup>seen with</sup> " do " "
- 58. Lesser Yellownappe - ♀ " do " " " " "
- 59. Lesser Coucal - 1 (H) <sup>then seen w/ another 1 in vicinity</sup> from tall grassland, edge of ↑ " do "
- 60. Velvet-fronted Nuthatch - 1 (sex?) - edge of Gaida Tent CP, c.
- 61. Puff-throated Babbler - 3 at stream, <sup>c. CP15, W of it.</sup> forest/grassland ecotone
- 62. Large-tailed Nightjar - 1 (H) upstream a bit, W of CP15, c.
- 63. Oriental Scops Owl - 1 (H) in distance from stream W of CP15, c. <sup>at dusk</sup>
- 64. <sup>omitted</sup> Chestnut-capped Babbler - ≥ 1 at phantha/stream edge ↑ " do "

GPS Coordinates:

- CP 15 (tented forest camp near Gaida TC, Chitwan NP): 27° 32.777' N 84° 27.925' E (171)
- WAYPT 148 (jct. of trail by fireline track in phantha): 27° 32.885' N 84° 27.780' E (159)
- WAYPT 149 (jct. of E-W track in phantha W of CP 15): 27° 33.275' N 84° 27.085' E (199)
- LUNJ 12: 27° 33.137' N 84° 24.233' E (171)
- WAYPT 150: 27° 33.173' N 84° 22.725' E (193)
- WAYPT 151: 27° 33.058' N 84° 21.344' E (158)
- WAYPT 152: 27° 32.678' N 84° 20.702' E (179)
- WAYPT 153: 27° 32.588' N 84° 20.133' E (173)
- KASARA: 27° 33.006' N 84° 19.766' E (170)

Weather: Mostly clear & hazy in dawn; calm + partly cloudy w/ thick haze in AM (rel. less birds calling); 72°F at 06h00; warming up quickly; clear + hazy late AM; extremely hot and humid into afternoon; dark cumulus forming over Churia begins to drift over + surround c. 15h30; windy + darkening at 16h30; wind and rain at 16h50; scattered big drops, short cloudbursts until 17h30; calm but dark + threatening until dusk/twilight.

Effort: 05h30 - 12:40 (early AM + AM march)  
 13h10 - 1h00 (lunch stop - rain delay)  
 17h30 - 18h45 (walk to NP entrance)  
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AM (AM)

9 May 2003 CP 15, near Gaida TC, Chitwan NP ( ) - Day 26 Kasara, Chitwan NP HQ ( )

- ♂ + ♀ seen just past Bhapur Kh. ♂ resplendent!
- Indian Peafowl - 1 (H) calling c. CP 15, c.
  - Black-hooded Oriole - 1 (seen well later) glimpsed + H c. CP 15, c.
  - Linnated Barbet - 1 (H) c. CP 15, c.
  - lesser Coucal - 1 (H) calling from nearby phantha, W of CP 15.
  - Emerald Dove - 1 (sex?) perched c. CP 15, c.
  - Jungle Myna - pair c. . . . " do " "
  - large Cuckooshrike - pair in flt. over CP 15, c. ; calling to each other.
  - Pale-chinned Flycatcher - 1 (H) c. CP 15, c.
  - Spangled Drongo - 2 birds nesting c. CP 15, c. (same as #64)
  - Himalayan Flameback - pair passing through canopy, c. CP 15, c. (sexes not determinable), but confident! ♂ seen later.
  - Chestnut-bellied Nuthatch - ♀ bringing food to nest, found 8 May. (see pg. B7) c. CP 15, c.
  - Common Hawk Cuckoo - 1 (H) c. CP 15, c.
  - Indian Cuckoo - 1 (H) c. CP 15, mixed sal forest, edge phantha w/ CP 15, c.
  - Striped Tit Babbler - 1 or 2 at forest/phantha interface, c.
  - Chestnut-headed Bee-eater - 1 " do " " "
  - Grey-headed Woodpecker - 1 (♀) " do " " "
  - Grey-capped Pygmy Woodpecker - a pair ♂/♀ " do " " "
  - Chestnut-tailed Starling - pair ... " do " " "
  - Scarlet Minivet - ♀ seen well ... " do " " "
  - Red-whiskered Bulbul - pair ... " do " " "
  - Red-vented Bulbul - pair ... " do " " "
  - Drongo Cuckoo - 1, vent + undertail covert seen well, ↑ " do "
  - House Crow - 1 flying over head, far from urban area, ↑ " do "
  - Velvet-fronted Nuthatch - breeding family, forest/phantha edge, (w/ stream) ↑

9 May 2003 CP15, near Gaida TC, Chitwan NP ( ) - Day 26 Kasara, HQ Chitwan NP ( )

Additional records: 1 past Bhapau Kh, c

- #9) another bird (2nd nester?) at edge of phantha W of CP15, c; at woodland edge
- #18) pair + another pr. in phantha just W of CP15, c; 2 more further into phantha
- #6) 3-4, 1 of which collecting nest material; 1 past WYPT 149, c
- #4) 1 flushed in phantha W of WYPT 148, seen well, c; pr. = drongo nest, " do "
- #22) 1 (H) past WYPT 148 edge of phantha, c; 1 (H) seen??, past WYPT 149
- #21) pair in open woodland/phantha, W of WYPT 148, c; 1 c. WYPT 149 further on
- #18 cont.) 1 c. WYPT 149, phantha W of CP15, c; 1 past WYPT 150, towards Kasara in forest, c.

(possible confusion " )

? #62) Changeable Hawk Eagle - bird on nest in tall tree; nest a large circular platform of sticks; viewed from track in phantha c. 25m away. built c. 15m above ground in huge lone tree surrounded by tall grass near edge of phantha, not far from WYPT 148, c.

#61) Jungle Myna - 1 bird in group of 3 seen collecting twigs/branch-lets forest/phantha edge W of CP15, c; flew away with material.

#60) Velvet-fronted Nuthatch - breeding family at forest/phantha edge, at stream W of CP15, c; "fledgling" = immature dull grey-brown upperparts; 1 adult carrying a round piece of food; imm. seen quivering wings but actual feeding not seen.

Breeding records:

#59) Spangled Drongo - 1 bird seen flying to a nest, sitting on it briefly, then flying off (flushed by my presence?). Nest in a fork of a sal branch, fairly well concealed by leaves of the limb; material looks to be entirely of twigs (as seen from below), c. 14-15 above ground; bird probably sitting on eggs.

[#58A] Chestnut-bellied Nuthatch - ♀, presumably same individual observed at nest on 08 May, carrying food + headed towards nest site; from forest/phantha ecotone (w/stream) W of CP15, c

- 25. Great Tit - pair in forest W of CP15, c.
- 26. Dollarbird - pair " do " " " confiding on <sup>tree top</sup> branch
- 27. Plum-headed Parakeet - ♀ forest/phantha edge W of CP15, c.
- 28. Crested Treeswift - 1 over forest at <sup>not + trees over grassland(?)</sup> " do " "
- 29. Oriental Pied Hornbill - 1 in same tree as #32; <sup>tree in phantha W</sup> of CP15, c
- 30. Black-rumped Flameback - ♂ in scattered trees, phantha W of CP15, c.
- 31. Rose-ringed Parakeet - 1 (saw?) overhead, phantha " do " "
- ? #32) Changeable Hawk Eagle - 1 bird on nest in tall tree <sup>c. 20m above ground</sup> towards edge of phantha W of CP15; med-large size; head not flat as in Bonelli's; back brown with pale small, almost bluish edgings of patches; pale underneath; flushed for brief + rather distant views; tail with c. 3 thin dark brown bands, no band c. base + a broad terminal dark brown band dorsally; beak grey-dark grey; cere dark, not yellowish; mobbed by a #18, 33, 34 + ♀ 35. streaking around side of head/neck; contrasting grey <sup>head + brown upp's</sup> tall tree in phantha
- 33. Ashy Woodswallow - 1 mobbing #32 w/ #18, 34 + ♀ 35; W of CP15, c
- 34. Ashy Drongo - 1 ... " do " " " "
- 35. Common Woodshrike - ♀ " do " " " "
- 36. Red Junglefowl - 1 (H) just W of WYPT 148, calling from woodland in phantha just W of WYPT 148
- 37. Chestnut-capped Babbler - 1 seen well in small flock <sup>(overall brown)</sup> " do "
- 38. Mystery bird of grassland - 1 glimpsed; call not same as #37 " do "
- 39. Eurasian Golden Oriole - ♀ flying over open woodland, <sup>phantha and</sup> W of WYPT 149
- 40. Common Myna - 1 <sup>+1 (= pr?)</sup> c. WYPT 149, phantha W of CP15, c
- 41. Grey-breasted Prinia - 1 (H) <sup>another seen later in the day</sup> " do "
- 42. Eurasian Collared Dove - pair <sup>1 carrying nest material!</sup> " do " " "
- 43. Dark-winged Cuckooshrike - 1 (H) <sup>seen later</sup> c. WYPT 149, phantha W of CP15, c
- 44. Long-tailed Shrike - (h.s. tricolor) - 1 " do " "
- ? 45. Yellow-footed Green Pigeon? - 1 quickly flying past " do "

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Additional records:

- #40) pair c/past WYPT 149, phantha W of CP 15, c; another pr. farther on a bit.
- #2) cont. pair, " do " " " " " ; another pair farther on; 1 bird w/ nesting material
- #1) 1 (H) " do " " " " ; 1 (H) further on, c
- #29) ♂ in flt. over " do " " " ;
- #29) 1 in open simal + phantha " do " ;
- #31) ♀ perched " do " " " ;
- #13) 1 (H) in distance, " " do " ; 1+1 (H) past lunch stop, & past WYPT 150, c
- #22 cont.) 1 (H) further on past WYPT 149, c ;
- #21 cont.) pair " do " " " ; yet another pair, further past WYPT 149 at woods, c
- #28) 1 or 2 " do " " " ;
- #20) 1 " do " " " ; 1 further on past WYPT 149, at woods edge, c

(inspection by DSR) in open simal woodland with dense tall grass story. under-

- #67) Crow-billed Drongo - 1 bird carrying a pale, yellow-brown strand of grass or v. thin leaf stem, but note color; nest on outer end of lower of grass *Bombax ceiba* branch; photo'd; mostly spider webs, interwoven with grey, + also brownish grass stems; nest c. 1/2 built; nest rim sewn w/ spider webs in notch of lateral branch + suspended c. 11m above ground. One s.d. by DSR + photo.
- #66) Yellow-bellied Prinia - 1 bird carrying tufts + strands of *Bombax ceiba* cotton; dropping to ground to collect; past WYPT 149, c

Breeding records (cont.):

- #63) Eurasian Collared Dove - pair in open *Bombax ceiba* woodland in phantha W of CP 15; 1 bird seen carrying a short stick; c; vicinity of WYPT 149.
- #64) Chestnut-tailed Starling - 1 bird seen entering a nest hole up 11-12m above ground in standing deadwood, open *Bombax ceiba* woodland + phantha c WYPT 149, c; left about 2 min. later.
- #65) Redvented Bulbul - pair further past WYPT 149, phantha W of CP 15, c; 1 bird carrying strands of thin brown grass; later seen collecting simal-like strands of cottony material, from under twigs + branches (spider-webs?)

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9 May 2003 CP 15, near Gaida TC, Chitwan NP ( ) - Day 26 Kasara, HQ Chitwan NP ( )

- ? 46. Black Drongo? - juv?, more black than brown with whitish-greyish scaling on abdomen, esp. lower; white dot at base of bill apparent. tail fork as in Black? not noticed!, but v. like G. et al. '98 plate. c WYPT 149 in phantha W of CP 15, c.
- 47. Rufous Treepie - 1 in simal grove + grassland past WYPT 149, c
- 48. Jungle Babbler - ≥ 2 past " do " " " ;
- 49. Yellow-bellied Prinia - 1 (maybe 2) seen well, ravine edge, past WYPT 149; mixed open wood-land + phantha
- ? 50. Little Heron - 1 flushed from stream, past WYPT 149, c ;
- 51. Common Tailorbird - 1 (H) at watered stream + dense thick " do "
- 52. Oriental Honey-buzzard - (sex?) ♂ seen well perched in a simal tree; 3 bands on remiges and in fit; grey head; brown upper parts; tail w/ broad sub-terminal band, tipped greyish whitish. Quite possibly one of the nesting pairs of raptor from earlier ATL.
- 53. Puff-throated Babbler - pair at shade stream, past WYPT 149, c
- (54) Crow-billed Drongo - a pair of birds nest building, " do " see pg. 139; tail fork as in plate; iris as in plate; thick bill; duct panel on wings. Both birds agitated + easy to observe when Dirga climbed to inspect nest. c
- 55. Red-breasted Parakeet - 1 bird (sex?) open simal woodland/phantha W of WYPT 149
- 56. Oriental Magpie Robin - ♂ in simal tree, " do " "
- 57. Linnateed Barbet - 1 seen well in flt, " do " "
- 58. Asian Paradise-flycatcher - ♀ + white ♂ at woods edge " do "
- 59. Common Iora - ♀ at edge of woods; spangles on breast; tail, indented; not at all like spangled " do "
- ? 60. Bronzed Drongo - 1 in v. shady grove many lianas; loud resonant booming vs. lesser, + previously this ATL " do "
- 61. Greater Coucal - 1 (H) in open simal + tall grass, 1-2 km from river; definitely over grassland " do "
- 62. Plain Martin - c. 3 flying over grass tops, " do " "
- 63. Jungle Owlet - 1 (H) at mid-day " do " "
- (same as #9, 1) 64. Spangled Drongo - 1 in shady simal interior, " do " "
- 65. Rosy Minaret - a pair, ♂ seen well, mixed s.d. further past WYPT 149 c; ♀ later seen well; yellow wash to forehead; v. pale yellow underparts. yellow wing panel. + lower



Additional records:

- #40 cont.) 1 at crow-billed drongo nest tree, past WYPT 149, c. <sup>CP</sup> mixed sal,
- #51) 1 (H) on past WYPT 149, edge of wooded area, c. ; 1+1 seen farther on.
- #53) pair further on, ↑ " do " " " ; 1 (H) approach WYPT 151
- #22 cont.) pair seen well; 1 calling w/ pre-call, c. ; wind-up ↑ ; → Kasara, c.
- #14) ≥ 1 (H) at another grove edge, farther past WYPT 149, c. ; 1 (H) flying over/past
- #7) ♂ seen " do " " " " " ; Junadi post, c.
- #43) 1 moving simal-simal ↑ " do " " " ; pair in mixed forest
- #21 cont. again) pair . . . ↑ " do " " " ; past Junadi post, c.
- #11) ♀ in mixed sal forest, farther past WYPT 149, c. ; ♀?, past WYPT 150,
- #1) cont.) 1 (H) " do " " " " ; 1+1 (1 ♀ which ♀ flushed
- #41) 1 seen + H . . . " do " " " " ; past Junadi post, c.
- #37) pair in mating ritual, jct. of trail w/ Bhapur Kh.; c. ; 1 (H) past Bhapur Kh.
- #20 cont.) pr. at jct w/ Bhapur Kh., c. ;
- #5A) 1 seen well at close range; note faint spangled streaking ahead! keeps to middle levels; saplings + shrub tree grove heavily draped w/ lianas past Bhapur Kh., c. ; dense ground

Breeding records (cont.):

[courtship behavior]

#68) Rosy Minaret - ♂ picked up larvae from branch of tree, flew up to another branch + put the food in waiting ♀'s beak; both flew off together; sal forest + other broadleaf, farther past WYPT 149, c. \* tested as "possibly resident" G. et al. '00; breeding "May + June" G. et al. '98

#69) Spangled Drongo - bird seen flying off a nest; then returned to momentarily pick at rim + resume sitting, presumably on eggs. Nest built rather far out on branch at fork, 8-10m above ground. Mostly (or almost + all?) out of sticks - no cobwebs visible from below; nest suspended at fork of branch; in mixed moist sal forest past Bhapur Kh. trees not v. tall, spindly, but no cutting, <sup>undergrowth</sup> dense understorey of grass,

9 May 2003 CP15, near Gaida TC, Chitwan NP ( ) - Day 26 Kasara, HQ Chitwan NP, ( ).

- 66. Indian Pitta - excellent views, <sup>mixed</sup> sal forest, farther past WYPT 149.
- 67. Black-naped Monarch - ♂ at lunchstop past Bhapur Kh., c.
- 68. Pale-chinned Flycatcher - 1 <sup>+1 seen</sup> giving alarm + calls, " do " " "
- 69. Red-billed Blue Magpie - ≥ 2 (H) c. Junadi post, " do " "
- 70. Shikra - pair in mixed sal, ♂ seen + H, " do " " c.
- 71. Black-backed Forktail - 1 seen along stream past ↑ " do " "
- 72. Eurasian Cuckoo - 1 (H) calling from mixed forest <sup>(+ past Junadi Post)</sup> past WYPT 150, c.
- 73. Fulvous-breasted Woodpecker - ♀ seen in ↑ " do " "
- 74. Indian Roller - 1 flushed from perch, farther past WYPT 150, c.
- 75. Coppersmith Barbet - 1 (H) in open woodland ↑ " do " "
- 76. Chestnut-winged Cuckoo - 1 (H) after rain, <sup>then seen; keeps low in middle canopy; quick f</sup> mixed sal <sup>tail 5 m/s</sup> tall grass, approach WYPT 151.
- 77. Pale-footed Bush Warbler - 1+1 <sup>(H) further on</sup> in v. open forest + tall grass " do "
- 78. Spotted Dove - 1 c. 0.75 km E of Kasara, c.

Additional records cont.)

- #57) 1 (H) <sup>then seen</sup> past Khapur Kh., c. ;
- #48) small flock, " do " " ; another flock farther on → Kasara, c.
- #41) 1 uphi in simal, past Junadi Post, c. ; 1 seen, open woodland → " do "
- #19) 1 (H) c. lunchstop, past Bhapur Khola, c. ;
- #68) 1 (H) at Khola past WYPT 150 + Junadi Post, c. ;
- #66) 1 (H) past Khola, past ↑ " do " c. ; 1 (H) farther on → Kasara, c.
- #36) 1 (H) c. lunchstop past Bhapur Kh., c. ; 1 <sup>(H)</sup> past WYPT 150, towards Kasara

Additional records:

- #34) 1 past WYPT ISD, towards Kasara, ♂ ;
- #6 cont.) 1 " do " " " " " ; 1 further past WYPT ISD, ♂
- #13 cont.) 1 (H) " do " " " " ; 1 (H) further on → Kasara, ♂
- #12) 1 (H) " do " " " " ; 1 (H) ♂ 1.5 Km E of Kasara, ♂
- #58) white ♂ " do " " " ;
- #56) ♀ in dense spindly sal, further past WYPT ISD, ♂ ; ♂ seen ♂ 0.75 Km E of Kasara, ♂
- #2) 1 (H) " do " " " " ; ♂ in open woodland, further past WYPT ISD, ♂
- #36 cont.) 1 (H) " do " " " ;
- #24) 1 (sex?) in open woodland, further past WYPT ISD, ♂ ;
- #18 cont.) 1+1 " do " " " " ;
- #6 cont. again) pr. in flt, ♂ " do " " " ;
- #63) 1 (H) approach WYPT ISD → Kasara, ♂ ;
- #66 cont.) 1 (H) after rain stop " do " " " ; yet another (H) ♂ 0.75 Km E of Kasara, ♂
- #77) a 4th (H) further on a bit, same gen. vicinity, ♂ ; 5th further on, to ♂ 1.5 Km signboard (Kasara)
- #11 cont.) ♀?, ♂ signboard '1.5 Km → Kasara', ♂ ;
- #41 cont. again) 1 (H) ♂ 1.5 Km E of Kasara, ♂ ;
- #1) 1 (H) ♂ 0.5 Km E of Kasara, ♂ ;

9 May 2003 CP15, near Gaida Tented CP, Chitwan NPC )  
Day 26 - Kasara, HQ Chitwan NPC )

Gps Coordinates:

Alt. (m)

- KASARA (Chitwan NP H.Q.): 27° 33.006'N 84° 19.766'E (170)
- WYPT 154 ( ): 27° 33.349'N 84° 21.647'E (154)
- WYPT 155 ( ): 27° 34.110'N 84° 21.810'E (154)
- DEVNAGR (Devnagar Post, Chitwan NP): 27° 36.582'N 84° 25.039'E (175)

Weather: Rain the previous night; fairly cool & not v. hazy in AM; Partly cloudy giving way to mostly sunny by mid-day; hot & hazy w/ no clouds -> 14h30, with a bit of breeze crossing Rapti R.; continued clear, hot & hazy into late afternoon & evening.

#72 Asian Pied Starling - 1 seen carrying a long thin strand of grass, c. Ganganagar village edge, N bank Rapti R. c.

Breeding records:

#70 Red-vented Bulbul - pair, 1 bird carrying a tuft of simal cotton; flew off; unable to search for nest; just short of hami Tal, NE of Kasara, Chitwan NP, c.

#71 Common Myna - 1 on ground just past Gaighat Post, Chitwan NP carrying a feather; :: carrying nesting material; c.

Effort: (difficult to interpret because of late start)

	12h00 - 14h30	(E of Kasara - Ghatghai)
[AM at HQ; afternoon break 2x to try to sort out Tekendra & Pirga fight, threats]	15h30 - 16h20	(Ghatghai - Simal gau)
	17h10 - 19h10	(Simal gau - Devnagar)

10 May 2003 Kasara, HQ Chitwan NP ( ) -  
Day 27 Devnagar Post, Chitwan NP ( ).

- Asian Paradise-flycatcher - white ♂ c. Kasara HQ compound; <sup>adorned w/ white</sup> tail short as in ♀, and head not uniform black; blackish streaking around collar, mantle (+ breast); check with sources; early AM.
- Indian Cuckoo - 1 (H) c. HQ compound on late AM dep.; c.
- Common Tailorbird - 1 (H) past croc pens -> Lami Tal, c. noon, c.
- Dollarbird - 1 seen c. Lami Tal, NE Kasara, c.
- Indian Pitta - 1 (H) " do " " "
- Spangled Drongo - 1 seen well, " do " " "
- Red-vented Bulbul - pair, 1 carrying nest material, c. Lami Tal, c.
- Asian Openbill - 1 at hami Tal, c.
- Oriental Magpie Robin - ♂ " do " "
- Common Hawk Cuckoo - c. 1 (H) " do "
- Red Collared Dove - ♂ in flt over hami Tal, c.
- Indian Peafowl - 1 (H) close-by, at Lami Tal, c.
- Large-billed Crow - pair in simal, opp. Lami Tal, c.
- Little Heron - 1 approaching Ghatghai Post, past " (hami Tal)
- Black-crowned Night Heron - 1+1 (pr?) " do " "
- Jungle Myna - 2+2+2 approaching ... " "
- Common Myna - 1 carrying nest mat. just past Post, c.
- Spotted Dove - 1 seen at bridge + forest " do " "
- White-throated Kingfisher - 1 (H) " do " "
- ? (20) Blue-eared Kingfisher - 1 seen? <sup>(or 5)</sup> in flt briefly, w/ blue line down back. " do " "
- Drongo Cuckoo - 1 (H) departing bridge past, c.
- Red-whiskered Bulbul - 1 (prob. 3) past " do " "
- Crested Serpent Eagle - 1 seen perched in simal " do "

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Additional records:

- #14) 3 in standing deadwood, c Gai ghat Post, c ;
- #15) 11 in " do " " " " " ;
- #8) ≥ 1 (other seen in Am?) ↑ " do " " " ;
- #26) 1+1 (pr?) in grass + sand along Rapti <sup>E/</sup> past Ghatghai village, c ;
- #7) pair at grassy area edge E of Ghatghai, c ; 1 Ganganagar → Devnagar.
- #17) 1 approach village E of Ghatghai, c ; 4 SN ↑ → "do"
- #27) 1+1 ♂ c Ganganagar, c ;
- #34) 3+1 Ganganagar → Devnagar, c ; 4 more farther → Devnagar, c
- #11) ♂ " do " " " " ;
- #2) 1 (H) calling from inside comm. forest, towards Devnagar, c.

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10 May 2003 Kasara, HQ Chitwan NP ( ) —  
Day 27 Devnagar Post, Chitwan NP ( ) .

- 24. Plain Martin - ≥ 4-5 over Rapti, N of Ghatghai Post, c.
- 25. Black Drongo - 1 swooping dn to ↑ " do " " (for a drink).
- 26. Paddyfield Pipit - 1 in Rapti riverside tree, N Ghatghai Post, c
- 27. Eurasian Golden Oriole - ♂ in riverside open forest ↑ " do "
- 28. Green Bee-eater - ≥ 1 at Rapti R. edge, N of Ghatghai Post, c.
- 29. <sup>[omitted]</sup> Intermediate Egret - 1 in tree #14 #15 c Ghatghai Post, c
- 30. Little Ringed Plover - 4 at Rapti edge mudflat, <sup>E/</sup> past Ghatghai village
- 31. Zitting Cisticola - 1 on grass stalk, grassy area " ↑ " "
- ?32. Oriental Skylark - 1 not seen well, in " do <sup>w/sand</sup> do " "
- 33. Black-winged Cuckoo-shrike - 1 (H) in simal E of Ghatghai village, c
- 34. Chestnut-tailed Starling - 3 seen ... " do " " "
- 35. Indian Roller - 1 in flight . . . " do " "
- 36. Little Egret - 1 flying over Rapt, past Simal... gan, c.
- 37. Ashy Woodswallow - pair overhead, just past Ganganagar, c
- 38. Asian Pied Starling - 1 carrying nest material, ↑ " do " "
- 39. <sup>[omitted]</sup> Rufous Treepie - 1 edget over Rapti approaching Ghatghai village, c.

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## GPS Coordinates:

	Alt. (m)
DEVNAGR (Devnagar Post, Chitwan NP): 27° 36.582' N 84° 25.039' E (175)	(175)
WYPT 156: 27° 36.891' N 84° 26.254' E (173)	(173)
WYPT 157: 27° 37.013' N 84° 26.230' E (169)	(169)
WYPT 158: 27° 37.595' N 84° 25.586' E (179)	(179)
WYPT 159: 27° 38.059' N 84° 25.753' E (181)	(181)
WYPT 160: 27° 38.260' N 84° 25.457' E (189)	(189)
WYPT 161: 27° 38.295' N 84° 25.278' E (185)	(185)
WYPT 162: 27° 38.945' N 84° 25.284' E (181)	(181)
WYPT 163: 27° 39.006' N 84° 24.819' E (182)	(182)
WYPT 164: 27° 39.649' N 84° 24.888' E (196)	(196)
WYPT 165: 27° 39.799' N 84° 24.951' E (191)	(191)
WYPT 166: 27° 41.807' N 84° 25.267' E (187)	(187)
NRNGAD: 27° 42.190' N 84° 25.893' E (191)	(191)

Weather: Clear, not very hazy at dawn + into early AM; quickly warming up past 7-7:30 AM; continued clear, hot & humid into mid-day; occasional cloud blocking the sun;

Effort: 05h45 — 09h45 (route re-traced so not counted on rth. AM walk E to lakes):  
 10h40 — 12h30 (Devnagar post to lunch stop)  
 14h40 — 17h00 (lunch → edge Narayanghat)

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11 May 2003 Devnagar Post, Chitwan NP ( ) —  
 Day 28 Narayanghat, Chitwan jilla ( )

1. Indian Cuckoo- 1 (H) ← another bird later in AM was seen! e. Devnagar Post, early AM, e.
2. Common Hawk Cuckoo- 1 seen well (!) + H ↑ " do "
3. Jungle Owlet- 1 (H) fairly distant, early AM, e post, e. ← another seen on return; see pg. 152.
4. Common Myna - 1 or 2 e. Devnagar compound, " do "
5. Black Drongo - 1 e. Devnagar compd, e.
6. Bronze-winged Jacana - 1<sup>+</sup> in watery depression E of Devnagar Post. <sup>Eichhornia e.</sup>
7. Lesser Adjutant - 1 in damp grass depression S of canal rd, E of ↑ "
8. White-throated Kingfisher - 3 (fam. group), pool N of ↑ " ↑ "
9. Lesser Whistling-duck - 3 in flt 1 of wk. in H<sub>2</sub>O ↑ " do " "
10. Cinnamon Bittern - pair in shallow pond <sup>(Eichhornia infested)</sup> - E of Devnagar Post, e.
11. Rose-ringed Parakeet - ♂ in tree E of Devnagar Post, e.
12. Large Cuckooshrike - 1<sup>(sex?)</sup> do " " " "
13. Common Myna - 1 + 1 along bundh track ↑ " do "
14. Indian Pitta - 1 (H) " do " " " "
15. Chestnut-bellied Nuthatch - ♂ + ♀ in sal N of canal/track, E of Devnagar <sup>Por</sup>
16. Jungle Babbler - only 1?, seen in scrub along canal track " do "
17. Jungle Myna - 3 further along track/bundh E of Devnagar Post, e.
18. Grey-headed Woodpecker - pr, ♀ seen well, ↑ " do " " "
19. Stork-billed Kingfisher - pair along canal, E of ↑ " do "
20. Common Tailorbird - 1 seen canal edge veg., ... ↑ " do " "
21. Great Tit - ≥ 1 in sap's + sal along canal bundh, ↑ " do " "
22. Oriental Magpie Robin - 1 ♂ hi up in sal singing, ↑ " do " "
23. Himalayan Flameback - ♂ in sal forest bordering canal, further E, e.
24. Black-hooded Oriole - 1 imm. " do " " " "

Additional records:

Bis Hazar Tal.

- #1) 1 (H) farther E of Devnagar Post, c ; 1 (H) at largest lake edge, c
- #14) 1 (H) " do " " " ; 1 (H) farther E along canal track,
- #6) 1 seen in another depression farther E of Devnagar Post, c ; 1 more farther E in watery depress, c
- #8) 1 seen flusher u do " " " ; 1 at largest lake, Bis Hazar Tal, c
- #9) 1 seen well, " " do " " " ; 2-2 farther E, c
- #13) pair farther E along canal track, " do " ; 1 at largest lake edge
- #7) pair in largest lake, Bis Hazar Tal, c ;
- #6 cont.) 1 " do " " " ;
- #19) 1 taking perch of #30 ↑ " do " " ; 1 at largest lake, already mentioned?
- #24) ♂ in sal edge of largest lake ↑ " do " ;
- #9 cont.) 3 at largest lake, Bis Hazar Tal, c ;
- #6 cont.) 1 " do " " " ;
- #27) 1 in distance at " do " " ;
- #26) 1 flying over ↑ " do " " ;
- #17) 3 c largest lake ... ↑ " do " " ;
- #22) ♀ c Devnagar Post compound, c ; ♀ N Devnagar Post, c
- #20) 1 (H) c " do " " " ;

Breeding records:

- #73) Great Tit - A breeding family group in thin sal bordering track past Bis Hazar Tal; 1 bird w/ yellow cast, sluggish + fed a larva by one of the 2 adults = parents; c ; c 1.5 km E of Devnagar Post.
- #74) Jungle Myna - 1 bird in a flock of 3 carrying a tattered piece of meshing (from rice bag?); c periphery of largest lake, Bis Hazar Tal c ; bird flew off with piece of material; nest building(?).

11 May 2003 Devnagar Post, Chitwan NP ( ) — Day 28 Narayanghat, Chitwan jilla ( )

- 25. Indian Roller - 1 in tussle w/ #28s, farther E along canal track.
- 26. Purple Heron - 1 in top of tall sal, c depression, " do "
- 27. White-breasted Waterhen - 1 in watery depression, ↑ " do "
- 28. Ashy Drongo - pair in tussle w/ #25, E " do "
- 29. Large-billed Crow - 1 mdbb<sup>by</sup> #28, " do " "
- (30) Grey-headed Fish Eagle - 1 perched on largest lake, Bis Hazar Tal, c
- 31. Asian Openbill - 1 in breed. plumage, flying over ↑ " do "
- (32) Grey Treepie - 1 flying over largest lake, Bis Hazar Tal, c. \* quite late to be at such a low alt
- 33. Crested Serpent Eagle - 1 seen perched in sal, ↑, " do " "
- 34. Great Tit - breeding family, feed. yg., in sal edge, ↑ " do " "
- 35. Spotted Dove - 1 at largest lake edge, Bis Hazar Tal, c
- 36. Black-crowned Night Heron - 4 in tree in distance ↑ " do " "
- (37) White-rumped Needletail - 3-4? in early AM, then on return at same site <sup>hawking over canal. c</sup> (1.5 km E of Devnagar) a lone bird seen v. well: squared off tail; white rump, underpart pattern as in G. et al. '00 plate; dipped to drink canal H<sub>2</sub>O; v. fast flt; "uncommon"
- 38. Jungle Owlet - 1 seen well E of Devnagar on return from AM walk c
- 39. Red-billed Blue Magpie - 1 (H) c Devnagar, then 2-3 " ↑ " do "
- 40. <sup>Omitted!</sup> Indian Peafowl - 1 (H) c largest lake, Bis Hazar Tal, c
- 41. <sup>Omitted!</sup> Red Junglefowl - 1 (H) " do " " " "
- 42. White-bellied Drongo - 1 c Devnagar Post, forest edge, c
- 43. Rufous Treepie - 1 flying past, N of ↑ " do " "
- 44. Red-vented Bulbul - ≥ 1 edge of degraded sal forest ↑ " do "
- 45. Spotted Owlet - 1 (H) from village groves, off to side of track ↑ " do "
- 46. <sup>Omitted!</sup> Eurasian Golden Oriole - ♂ c Devnagar Post on departure, c
- 47. Ashy Woodswallow - 1 over track + sides, N of Devnagar Post, c

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## Additional records:

- #25) 1 c. / N Darnagar Post, on dep., c. ;  
 #35) 1 " do " " " ;  
 #5) 1 on fence post ↑ " do " " ; 1+1 (pr?) farther along track, c.  
 #13 cont.) 2+2+2<sup>+2</sup> NR Darnagar Post, c. ; pair NW of Baruwa, c.  
 #53) 1<sup>1</sup> on corn fields + open khets, NW Baruwa, c. ;  
 #54) 1 in fallow khets NW of Baruwa, c. ;  
 #5 cont.) 1+1 (pr?) " ↑ " do " " ;  
 #29) 1 c. WYPT 164, NW of Baruwa, c. ; 1 at WYPT 164, c.  
 2 c. house at WYPT 164, c. ;  
 #52) c. 15 ♀♀ + ≥ 3 ♂♂ c. ↑ " do " ;

## Breeding records (cont.):

- #75) House Sparrow - 1 bird in fallow khets, edge scattered houses  
 NR Parasnagar, carrying away straw i. nest building; c.

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11 May 2003 Darnagar Post, Chitwan NP ( ) —  
 Day 28 Narayanghat, Chitwan jilla ( ).

48. Black Francolin - 1 (H) at Parasnagar chok, <sup>(WYPT 158)</sup> E of track, c. calling from comm. forest.  
 49. Coppersmith Barbet - 1 seen + H ↑ " do " in bher tree, center of chok  
 50. Grey-breasted Prinia - 1 " do " " c. Parasnagar chok, E side  
 51. Shikra - 1 (♀?) c. Parasnagar chok, E at comm forest edge, c.  
 52. House Sparrow - 1 carrying straw, N of Parasnagar, Chitwan jilla, c.  
 53. Rufous-winged Bushlark - 1 in fallow khets, ↑ " do " "  
 54. Paddyfield Pipit - 1 on power lines . . . ↑ " do " "  
 #55) Chestnut-shouldered Petronia - ♂ ♀ pr. fallow khets, ↑ (NW), " do "  
 56. Grey-bellied Cuckoo - 1 (H) NW of Baruwa, c.  
 57. Asian Koel - 1 (H) in open country, corn khets + groves ↑ " do "  
 58. Pied Bushchat - ♂ at WYPT 164, NW of Baruwa, c.  
 59. Black-shouldered Kite - 1 " do " " "  
 60. Asian Pied Starling - ≥ 1 c. house + khets, WYPT 164, c.

