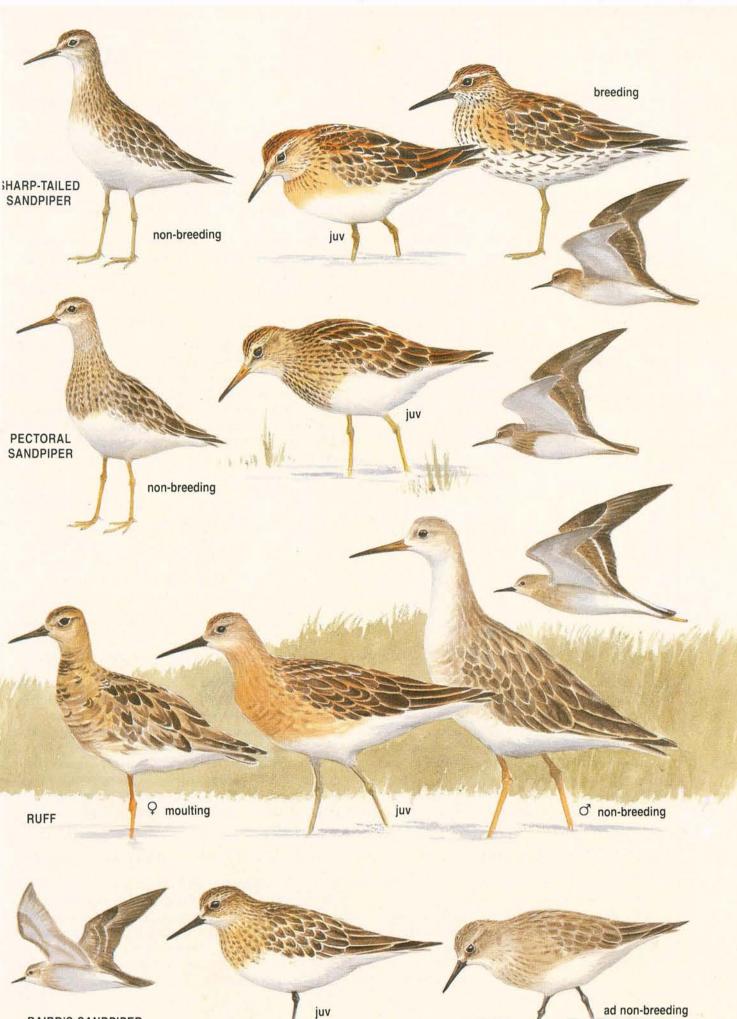
Text and images extracted from Heather, B.D. & Robertson, H.A. (2005) The Field Guide to the Birds of New Zealand. Penguin Books, Auckland. Pages 92, 108, 109, 312, 317.

A large diverse group of birds of estuaries, coasts, riverbeds and farmland. Most are longlegged and feed in or near shallow water. Bill shape is varied; short and stubby in those (e.g. dotterels) that peck from the surface, but longer in those that feed in shallow water (e.g. stilts), or probe deeply (e.g. godwits). Flight strong and direct. Often form flocks while roosting or flying, but disperse to feed. Many species seen in NZ breed in the Arctic and arrive in September, with remnants of breeding plumage, and depart in March, often in breeding plumage. Most subadults and a few adults spend the southern winter here.

SHARP-TAILED SANDPIPER Calidris acuminata

Uncommon Arctic migrant

22 cm, 60 g. A medium-small richly speckled brown wader with rufous crown, finely streaked black, and white eyebrow. Bill (2.5 cm) slightly downcurved, grey-brown with greenish base. Legs yellowish green. Nonbreeding has upperparts dull brown with pale feather edges; neck and breast mottled grey or buffish with irregular streaks, *fading* to white on lower breast and belly. In breeding plumage, upperparts richly coloured with chestnut and buff edges to feathers; breast heavily streaked and marked with small boomerang-shaped streaks on lower breast and along flanks. Juvenile like non-breeding adult but more rufous, especially on crown, neck and edges of tertials. In flight, faint white wingbar and white sides to black rump and uppertail. Habitat: Breeds Siberia. Migrates to Australasia. In NZ, favours low-growing saltmarsh of estuaries and open marsh-turf flats of coastal lakes, mainly at Kaimaumau, Firth of Thames, Ahuriri and Manawatu Estuaries, Lakes Wairarapa and Ellesmere, and Awarua Bay.



About 79 species, of which 2 breed in New Group have caught over 4000 Arctic migrants Zealand (non-migratory snipe) and 32 reach New Zealand as migrants for the northern

SNIPE, SANDPIPERS, GODWITS and CURLEWS

BAIRD'S SANDPIPER

winter.

in the Auckland area, and some of these have been marked, to enable resightings, with

Scolopacidae

that is as long as or longer than the head. In curlews and godwits, the bill is sensitive and flexible at the tip, and the mandibles open during probing in soft mud or shallow water. All have long, pointed wings, rapid flight, a long neck, long legs and, for birds, a short tail. Their eyes are smaller than those of plovers and dotterels, as suits their more tactile, less visual, feeding. Gregarious when not breeding. Their food has not been studied in detail in New Zealand. They take a variety of mudflat-burrowing crabs, small amphipod and ostracod crustaceans, polychaete worms

Apart from stints (known as peeps in North

America), these waders have a slender bill

and small gastropod and bivalve molluscs. Their diet includes insect larvae and pupae of craneflies (Tipulidae), midges (Chironomidae), beetles and flies; they may also take spiders and earthworms. They swallow grass, sedge and rush seeds, but whether by accident or design is not known for certain. The various species probe to different depths according to the length of their bill. Most of the rapid, vigorous, sewing-machine probing of medium and smaller waders is exploratory, as often is the slower, more careful probing of godwits, curlews or whimbrels. The waders that migrate to New Zealand mostly breed in the arctic or subarctic tundra of the Northern Hemisphere and are strongly migratory. Those that breed furthest north tend to migrate furthest into the Southern Hemisphere, from the largest curlews to the smallest stints. The routes taken by the various

species of wader are being elucidated by an

extensive co-operative programme of banding

Distribution: Breed in northeastern Siberia, in a limited range from the Lena to the Kolyma

white plastic leg flags. The first Arctic migrants arrive in September-October, but others trickle into the country through November. Most leave in March-April, but a variable proportion of the summer

population stays behind to spend the southern

and so the number left behind provides an

indication of the success of the previous

many species, and some of the distances

travelled are huge; it is possible that some

New Zealand is at the southern limit of

winter in New Zealand; most are probably yearlings, as few adopt breeding plumage,

northern breeding season.

of the migrants fly between New Zealand and China, Japan or the Aleutian Chain in a single flight, although most stop at least once to refuel. In order to undertake such a long journey, waders feed voraciously in the weeks before departure and often arrive late to their roosts. They lay down extensive fat deposits, their weight can increase to 50–75% above their normal non-breeding weight. On arrival, they are often exhausted and quite approachable, but quickly regain their condition. The adult Arctic migrants moult all their flight feathers during the southern summer, and so can be distinguished from juveniles, which do not moult or lose only a few feathers until the southern autumn.

The sexes are alike, but females are often noticeably larger than males. The nonbreeding plumage, as is mostly seen in New Zealand, is dull, the upperparts mottled or a uniform brown and grey, the underparts paler, sometimes with streaks and spots. Before leaving and while breeding, they are brighter, many species becoming much more rufous above and rufous or black below. The age of first breeding is 1-2-3 years, and many birds live to at least 15 years old. Calidris acuminata Plate 46

and leg-flagging throughout the East Asian flyway. The New Zealand Wader Study SHARP-TAILED SANDPIPER

eighth most numerous Arctic wader to reach New Zealand: 50–200 each summer, but

Few overwinter.

Size: 22 cm, 60 g

Rivers. Most birds migrate to New Guinea and Australia, particularly in eastern South Australia, Victoria and southern New South Wales, but some reach New Zealand, Vanuatu, New Caledonia and Fiji. In New Zealand, they are a regular migrant in small numbers. Small flocks of 10–30 birds are often recorded on Parengarenga and Manukau Harbours, the Firth of Thames, Lakes Wairarapa and Ellesmere, and on the Southland coastal lagoons and estuaries. Smaller numbers are found at other estuaries or coastal lagoons from Northland to Southland in October-March. A transient at the Kermadec Islands;

a straggler to The Snares and the Chathams.

usually fewer than 10 overwinter. Behaviour: Gregarious, often feeding and

Population: Sharp-tailed Sandpipers are the

roosting quietly in small flocks at pools in beds of Sarcocornia, or roosting on shellbanks or sandbanks with Wrybills, Lesser Knots, Curlew Sandpipers and Red-necked Stints. They are usually silent in New Zealand, but birds, when flushed, may utter a soft, metallic 'pleep-pleep'. Feeding: Sharp-tailed Sandpipers forage on

the shallow edges of lagoons, both fresh and brackish, preferring low-growing saltmarsh vegetation to open mudflats, although in New Zealand they may also visit higher parts of the shore away from the tideline.