GREAT BLUE HERON

Ardea herodias

non-breeding visitor, occasional

A.h. wardi / herodias? A.h. fannini?

Great Blue Herons breed throughout North America and migrate as far as n. S America for the winter (AOU 1998). They also disperse widely following breeding. Vagrants have been recorded as far as Europe (Cramp and Simmons 1977), Clipperton I (Howell et al. 1993), and the Hawaiian Islands within the Pacific Basin (Pratt et al. 1987). A large Ardeid, possibly a congener, has been found in the subfossil record of e. O'ahu (Ziegler 2002). It inhabited the island 120-800 thousand years ago.

There is a single record of Great Blue Heron for the Northwestern Hawaiian Islands of a bird well described at Tern Island, French Frigate, 20-22 Sep 1988 (although Gray Heron, A. cinerea, of Eurasia and with records for Alaska, is only marginally ruled out). In the Southeastern Hawaiian Islands they have been recorded on Lehua islet off *Ni'ihau* and on *Kaua'i*, *O'ahu*, *Moloka'i*, *Maui*, and *Hawai'i I*. It is difficult to determine how many birds have reached these islands due to apparent regular movements of this species between locations on islands and almost certainly between islands. For example, a bird first observed at Opaeula Pond, Hawai'i, 19 Jul-12 Sep 1981 (Ashman et al. 1982a; HRBP 0150) was followed by one at the Ki'i unit of JCNWR, O'ahu 24 Sep-16 Oct 1981, one in Wailua, Kaua'i, 26 Nov 1981, and then one back at Ki'i beginning 6 Dec 1981, readily explained by a single bird moving up and down among these islands. There are several other series of observation such as this during non-overlapping periods between islands. Careful examination of records suggests that an estimated minimum total of 12-14 birds have reached the islands as follows: one at Pearl Harbor, O'ahu, during the last week of Feb 1963 (E 23:59); one at Kealia Pond, Maui, 6 Apr 1970 (E 30:106); 5-6 from Jul 1981 (Hawai'i) to Apr 1992 (Kaua'i) throughout the Southeastern Islands (e.g., HRBP 0709); 3-4 from Feb 1995 (Hawai'i) to Jun 1999 (Maui) also throughout the islands (e.g., HRBP 1100, 1330); one Jun-Sep 2000 on Kaua'i and Lehua Islet (HRBP 1311-1313; VanderWerf et al. 2007); one Apr-Jun 2002 on Hawai'i I; one Dec 2004-Mar 2007 on Hawai'i, O'ahu, and Kaua'i (HRBP 5825-5827), and other or the same individuals on Kaua'i 6-26 Mar 2007 (HRBP 5826-5827) and 20 Feb 2008. Multiple birds apparently arrived in the falls of 1987 (AB 42:140, E 48:22) and 1995. Two to three birds observed at once were recorded at Pearl Harbor, O'ahu Nov 1987; Ki'i, O'ahu Dec 1987; Kanaha Pond, Maui, Oct 1987-Mar 1988; and Nu'upia ponds, O'ahu, in 1996 (HRBP 1100, 1330).

The subspecies of Great Blue Herons reaching the Hawaiian Islands cannot be confirmed. Three subspecies breed in w. North America and all could account for Hawaiian vagrants: *A.h. fannini* of se. Alaska and w. British Columbia, *wardi* of the Pacific United States coast, and nominate *herodias* breeding across interior North America and perhaps being the most migratory subspecies (Pyle 2008). The photograph from Lehua Islet (<u>HRBP</u> 1311-1313) show a large pale bird, consistent with either *wardi* or *herodias*, while photographs from O'ahu and Maui (<u>HRBP</u> 709, 1100, 1330) show what appear to be smaller and darker birds, more consistent with *fannini*. Acronyms and Abbreviations Literature cited

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