

BONNIE E. STOUT* AND FRED COOKE

D a \rightarrow \rightarrow B^{\bullet} , \bullet a S \bullet , \rightarrow F a, $U \bullet \bullet$, \bullet , $B \rightarrow ab_j$, BC V5A 1S6, Casa a $*E \rightarrow a^{\bullet}: b$, $@_{\uparrow} \rightarrow a$

WING MOLT IN GREBES



Figure 1. Seasonal abundance of Horned Grebe (A), Red-necked Grebe (B), and Western Grebe (C) in Boundary Bay, British Columbia as indicated by peak numbers counted in the first (e.g., 1 June) and second (e.g., 2 June) half of each month in the most intensively surveyed area of Boundary Bay, 1995 (nd = no data).

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Ŗ-4,, А G, b, A, , а , ba 🔹 💪 , 🖬 14 1 a-· -+ + - \$+ + + م مر مر а, A, , a , a (Caa See 1977; a N, ..., 1999). La E S a G, b, j • a j - . ر a ر ₿, -**∧**, , a 🚺 🖌 📜 🖉 (F , a 1978; a a, ▶ 1995; V , 1996). H , , , a , a b · R. - A. a, b, b, a, b, b, - - - - \mathbf{a}_{λ} $A_{1}, (a_{1}), (a_{2}, a_{3}, a_{4}) a_{4} = a_{1}(a_{2}, a_{3}) a_{4} = a_{1}(a_{2$ a (V , 2000).

L N . A. a, a R - 4 G, b, , a b, M, a, , J -•-\$, -b, .T., a•, a Pa• Ca an 🗸 ng Á, 🏑 air Ş., - b. G. a La, a A a A = A, A = A. $G, b, a, -, - La, S, \bullet$ a , a , A , A , a , a , S a, MA, , , M∠, a a MaM⊿O b_ a. N. b. (S N a 1999).

A YKSA, 29 🔺 🖌 🗛 a b, a • ▲ • ▲ 1998 a а 1999 • b ... • -∎ -J , a. -, • b, . • a, A, . A , a. - a ... 14, -, 1, a, 1, b, , 14, A ... 'A C, a, Ba_k (Q, b, a, N). В 🍬 -, •), ▲ 30 Ş´, - b 1974, Ca⊿a •a⊿ Wi 📭 Ş 🖡 bi , i , a 🗤 195G, b, , as a . , , R . . ٩. 14 (A. E. M. , ,). S a , G : : S. La , A, · 19 23 Ş b 1994 · 🖌 136 R - A G, b, a' C, a, Ba, 136 a Ba, (N a S a/N B' , b); a V, 52 a a 🛯 🗛 . A , á - 📜 , 🖬 🔳 -+ , a 🚺

a B a Ba, a a 1,689 R -, G b a 24 S b 1997. L 1998, a a 7 S b -883, 10 S b -1,670 (a), 22 S b 1998 - 2,229, 6 O b - 1,325, 10 O b - 333. T b a , a b c , F , a , 10 S b 1998, 14 b a , b a , (<13 a , b a , a) b a , a , a a

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Ma ba a, La. Ma ba (R. W. S a a , 20 W, G, b (a. C A Bay, Wa A - (H • • et al. 1990). A Sa• a Bá ba a C a A , Ca € Aa, ab 10% · Aechmophorus, b, (a, A A), a, a, a, a, a 🔹 📜 🔺 28 Ja a , 1969. . . . 3. (Sb. , 1970). T, and a france of the pro-a. • O b (R 1976; Ca b et al. 1990; S a N 1992). A a a a , , , a W N, ..., 1992; C a. 1998). La a, ..., a W, ..., G, b a B 🔺 a , Ba, B 📭 C 💷 bia b , a a , a , a , a , J , • , , a , • , a a b , a , a S , b aa , a-📭 - j - O b as N - b (F) . 1).

DISCUSSION

T. a = a + H + R - Aa $W_{1} = G_{1} b_{1} + N - A$ a a = A + A + A + A , , , a . . M, b, , M, , a -, , , , , , a-• **a**, **a**, **b** • **a**, **a**, **a** a_{1} , a_{2} , a_{3} , a_{4} , a_{4} , b_{-} , bb., 🍂 \dot{H} , \dot{G} , \dot{b} , \dot{a} , \dot{a} , \dot{b} , \dot{b} , \dot{b} , \dot{c} , \dot{a} , \dot{a} , \dot{c} , \dot{c} , \dot{a} , \dot{c} , \dot{a} , \dot{c} $B \square C = b a, i a, a, a = c = a = a = a$ a, a, a, a a a- $\bullet \mathbf{b}_{\mathbf{b}} \mathbf{b}_{\mathbf{c}} \mathbf{R} \stackrel{\bullet}{\rightarrow} \mathbf{a}_{\mathbf{c}} \mathbf{W} = \bullet \mathbf{G}_{\mathbf{c}} \mathbf{b}_{\mathbf{c}}$ b 🖌 a, a. 🗤, 🗤, a, a. A., 🦕 🕯 🔺 -, a, • : , • a a, a, a, b,, -• a G, b. O a, a, a a a a a a a a a , a a a a (a C, a La, a T a La, Cat a a a , a, Man ba a, W, A G, b, a. a. b. b. a. T. a. a. a. a. a. a.

at , , b, , tA H , , R -A , a = W = A G, b = a = a = A $\bullet \ -, \ Ea, \ a \ G, \ a \ C_{+}, \ G, \ b \ . \ T_{+}$ a a 🖌 a 😁 🗐 at 🗤 🥠 a j P. -b., G. b. (M , a. S , 1999) - a, b b_{i} , a_{i} , a_{i} , a_{i} , b_{i} , a_{i} , aSa, , b, jaaj a sport. A 1 1. 1.1 -• . Pa, • ba -b _∎ _ a _ , 📭 1999; S. - a 2000). Ş - 1 - ala a b. . la $\begin{array}{c} \cdot & \cdot \\ \cdot & \cdot \\$ F A a HA 1999).

 $W - \mathbf{A} = \left\{ \begin{array}{c} \mathbf{a} \\ \mathbf{a} \\ \mathbf{a} \\ \mathbf{b} \\ \mathbf{b} \\ \mathbf{b} \\ \mathbf{c} \\ \mathbf{$ $\mathbf{R} \rightarrow \mathbf{a} \quad \mathbf{W} \rightarrow \mathbf{G} \quad \mathbf{b} \rightarrow \mathbf{a} \quad \mathbf{a}$ aa 🏒 ajia - 1 at a at a b. 14-C , et al. 1999; J - et al. 1999; S a N, -, 1999; S, - as 2000). Os -, a, ..., a ,. , a , a , a , a (a a a a b) (J - 1997). As -, a as à, 🔍 - a -, , A . Ea. G. b., G. a C. . a, , (Sa - 1968). La, 🕨 Aa a b, -b, •, H , G, b , •, • • •, b a, (K•, 1963). B 🔺 a , Ba, B 📭 C 🗇 ba, 🖕 $\mathbf{b}_{\mathbf{a}} = \mathbf{A}_{\mathbf{a}} \mathbf{R} - \mathbf{A}_{\mathbf{a}} \mathbf{A}_{\mathbf{a}} \mathbf{W}_{\mathbf{a},\mathbf{a}} \mathbf{G}_{\mathbf{a}} \mathbf{b}_{\mathbf{a}},$ • ab a a a a a b • (B a Ca b 1987; B 1992; B , a V , 1994).

ACKNOWLEDGMENTS

W a Ja, G. K, A b A a a H G b A A a a W A B S Ca a a a B B C C a a Wa b S A a A b

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- Ea, G, b (Podiceps nigricollis). In T., B $\begin{array}{c} \text{Ia} & \text{if } & \text{if$
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- G, b, A, a 76: 82-95.
- $P_{-}.D_{-}, (\mathbf{1}, \mathbf{U}, \mathbf{1}, \mathbf{1}) = Ca_{+}a_{+}, Ca_{+}a_{+}, Ab_{+}a_{+}$ Ca⊿a a.
- Sa A, A, F., -- A, -10A, F., 1F
- N . 410 (A. P T, 5 (, .) TJT*0 -13, T**-0, *8E , ., *, F.-1