T D Cr V

ost-flæig ng juven le surv $\sqrt{1}$ l tres i re vi ff, ult to i e sure, i rt, ut rl for se ris (i rr s et al. 1 4, i ston 1). owever, sever l studies li ve h ghl ghted the we ogt h, ort nie of est i tres of surv vi ledur ng the f rst i e r, i nd unt l f rst reed ng, for oth se ris (e.g. udson 1 5) nd rds n gener l (e.g. in et al. 1 , i firer et al. 1). Uniest i tes i re i rt, ut rl ort nt n the constructon of o ut ton roje ton odels (e.g. swell 2001). o onl used n studies w th, onserv t on l, tons, these odels rover i stind rd i firer et al. so ut ton growth tress i well's i seess ng the oss it consequences of linges n v rous we ogt h, i tess to these tites.

he 'r hed urrelet Brachyramphus marmoratus reeds n of st lobel-growth forest fro 'l forn' to t sk. It is 's 's 's urrent l steel's thre tened or end ngered over u h of ts t nge, 'nd the t te of these out tons s lnked to 'n ge ent is sons, which ' 'e ore effective 'nd rel' he with knowledge of the de ogt h of the out ton. 'es te ths urgent need for ', 'reful' ssess ent of 'r hed urrelet o ut ton trends (ooke 1)'est 'tes of seven l of the vt l t'tes, n_lud ng juven he surv v l, 're t're or ss ng ('l h & ong 1 5, 'e ss nger & ur 1', out nger et al. 1). owever, recent work (' et al. 2003, the et al. 2002) It s 'teen successful n 'rt'll fl ng these g's. n the series of studies of no volu ll r rhow unrelets, est r tes of nul luven le surv $\sqrt[n]{l}$ for the r r lev unrelet $\frac{1}{2}$ volus i ennest r ted i extra of ton fro $\sqrt[n]{l}$ lues $\frac{1}{2}$ lub ted for other r lower surv $\sqrt[n]{l}$ first on the surv ton the single of the reveal r to $\frac{1}{2}$ volumes $\frac{1}{2}$ volumes

20

ivere, we're ort the f rst wire ivest ? tes of lost 21 surv $\sqrt[3]{2}$ l tes of juven le ? r lev urrelets, us ng fred $\sqrt[3]{2}$ t fro `resolt ton ound, r t sh olu ?, ? the d. The ound s? ? jor freed ng ? the st g ng? ref for urrelets? <math>the h s reen the site of? reset g ng d test g t ng the site ogt h ? <math>the s resolt of other sites the site of reset g t ng the site of h ? the site of g old g of the sites the site of test g ng d test g t ng the site of h ? <math>the site of for the site of for the site of h ? <math>the site of for the site of h ? <math>the site of for the site of h ? <math>the site of for the site of h ? <math>the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of the site of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h = 1 of h ? the site of h ? <math>the site of h = 1 of h ? the site of h ? <math>the site of h = 1 of h ? the site of h = 1 of h ? the site of h ? <math>the site of h = 1 of h ? the site of h = 1 of h ? $the site of h ? \\ the site of h = 1$ of h ? $the site of h ? \\ the site of h = 1$ of h ? $the site of h ? \\ the site$

Er D

ro 1 -2000, juven le ? r led urrelets were 2 turel n resol t on ours (:entre 50 05 , 124 45 , g. 1), -3 -

2003. In \hat{r} is \hat{r}

n ress. As ng h solog to ext ine nter nut l $\sqrt[n]{r^2}$ t on n ress. As ng h solog to ext ine nter nut l $\sqrt[n]{r^2}$ t on n result ng hronolog of $\sqrt[n]{r}$ r lev urrelets n result t on our $\sqrt[n]{r}$. Auk.