

STANDARDIZED COLLECTION AND REPORTING OF AMOY BREEDING DATA

Definitions

Productivity: # chicks fledged/# breeding pairs

Nest survival or hatching success (apparent): nests hatched/nests found (at least one egg hatched=hatched). Specify nests with known fates;

Hatched: out of shell. Pipping/starred eggs are not considered to be hatched

Site visit frequency: Ideally => 2 times/week for best resolution of nest and chick fates. May not be feasible in more remote areas.

Nest survival (adjusted): probability of a nest surviving over a given interval (usually a day or average incubation period)

Chick survival (apparent): # chicks fledged/# chicks hatched

Chick survival (adjusted): probability of a chick surviving over a given interval (usually a day or average incubation period)

Fledging: survival to 35 days or sustained flight of 100m. 45 days for mgt (chicks not flying well until 45 days)

Breeding pair: pair that lays at least one egg

Territorial pair: pair that creates scrapes, engages in agonistic behavior with other AMOY.

Broods hatched: At least one egg hatched

Broods fledged: At least one chick fledged

Metrics to be included in proposed standard productivity data collection:

Breeding pairs, Territorial pairs, nests, nests monitored, nests hatched, chicks hatched, chicks fledged, broods hatched, broods fledged, sources of nest loss, sources of chick loss

Proposed minimum standard reporting metrics:

Breeding and territorial pairs by site and state, nests monitored, nest survival (apparent)(SE), chicks monitored, productivity (SE), sources of nest loss, sources of chick loss, management actions at individual site (drop down menu?), monitoring frequency

Desired outcomes for standardizing productivity data collection rangewide:

Archive of breeding season summary data

Comparisons between sites and across years

Feedback mechanism for WG to evaluate success of mgt efforts

More detailed reporting to inform adaptive approaches to conservation and mgt

Faster and more accurate reporting for funding