

From: [Doug McGee](#)
To: [Mike Murray](#)
Cc: [Britta Muiznieks](#); [Thayer Broili](#)
Subject: Re: Please review (Shorebird data collection)
Date: 03/16/2009 11:46 AM
Attachments: [Shorebird Data Collected.doc](#)

Mike,

All was correct except for the yellow highlighted parts. The only time we've ever really been concerned with the distance from the nest to tide line was to ascertain whether or not there was room for access below the nest. The only identifier for nest habitat may have be "shell beds", but it's not data we do anything with.

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-----Mike Murray/CAHA/NPS wrote: -----

To: Doug McGee/CAHA/NPS@NPS
From: Mike Murray/CAHA/NPS
Date: 03/16/2009 09:20AM
cc: Britta Muiznieks/CAHA/NPS@NPS, Thayer Broili/CAHA/NPS@NPS
Subject: Please review (Shorebird data collection)

Doug,

Between the field data sheets you provided and the data collection recommended in the USGS protocols, I attempted to summarize concisely the data collected for shorebirds.

See attached. I highlighted in YELLOW a few items that I wasn't sure we did. Please edit out anything that we do NOT do and add anything important that we do collect but is not listed. (Doesn't need to be perfect; but should be a fairly accurate representation of what data we actually do collect)

Thanks,

Mike Murray
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Shorebird Data Collected

PIPL

Date, time, location of breeding pairs, courtship behavior, foraging, scrapes, nests or brood observations; identity of observer

Pair, nest, and brood identification number

Number, location, and status of territorial pairs, nesting pairs, nests, eggs, and chicks

Reproductive rate (chicks fledged/nesting pair)

Status of nest and presence/behavior of adults (laying, incubating, lost, abandoned, hatching, hatched)

Status of chicks (age, behavior, fledge status) and presence/behavior of adults

Presence of potential predators, humans, pets, or ORVs within posted areas

Suspected cause of nest or chick loss, if apparent

AMOY

Date, time, and location of breeding pair, scrape, nest, or brood observations; identity of observer

Pair #; Color band (if applicable)

Number, location, and status of pairs, scrapes, nests, eggs, and chicks

Reproductive rate (chicks fledged/nesting pair)

Status of nest and presence/behavior of adults (laying, incubating, lost, abandoned)

Status of chicks (age, behavior, fledge status) and presence/behavior of adults

Presence of potential predators, humans, pets, or ORVs within posted areas

Suspected cause of nest or chick loss, if apparent

CWB

Date, time, location, and species of nest/colony observation; identity of observer

Birds, nests, chicks, and fledglings

Status of colony and presence/behavior of adults (laying, incubating, lost, abandoned)

Status of chicks (behavior, fledge status) and presence/behavior of adults

Presence of potential predators, humans, pets, or ORVs within posted areas

Suspected cause of nest or chick loss, if apparent

Nonbreeding Shorebirds

Date, time, and location of observations; identity of observer

Species and number of birds observed

Band combination of any banded birds

Weather variables and tidal stage

Habitat

Behavior of the majority of birds in the flock (foraging, resting, disturbed [record source], other)

Site management in effect where birds are seen

Number of pedestrians, pets, ORVs and other potential disturbances within 100 m