

Figure 1. Piping plover nesting locations in the eastern Upper Peninsula of Michigan

Results

Incubation data from 10 nests used (3 unusable due to equipment failure or predation)

Incubation Effort by Sex (Figure 2)

- $X_{\text{male}} = 51\% \pm 2.25\%$
- $X_{\text{female}} = 48\% \pm 2.13\%$
- Male incubation = Female incubation ($p = 0.08$)

Fledging Success and Incubation

- Fledging not dependent on male effort ($p = 0.5$, $R^2 = 0.0455$) (Figure 3)

Male Effort and Female Departure

- Male incubation was not significantly related to female departure date ($p = 0.6238$, $R^2 = 0.0315$)

Female Departure and Chick Mortality

- Significant negative relationship between departure date of females and the age of chicks at their death ($p = 0.0006$, $R^2 = 0.4202$) (Figure 4)