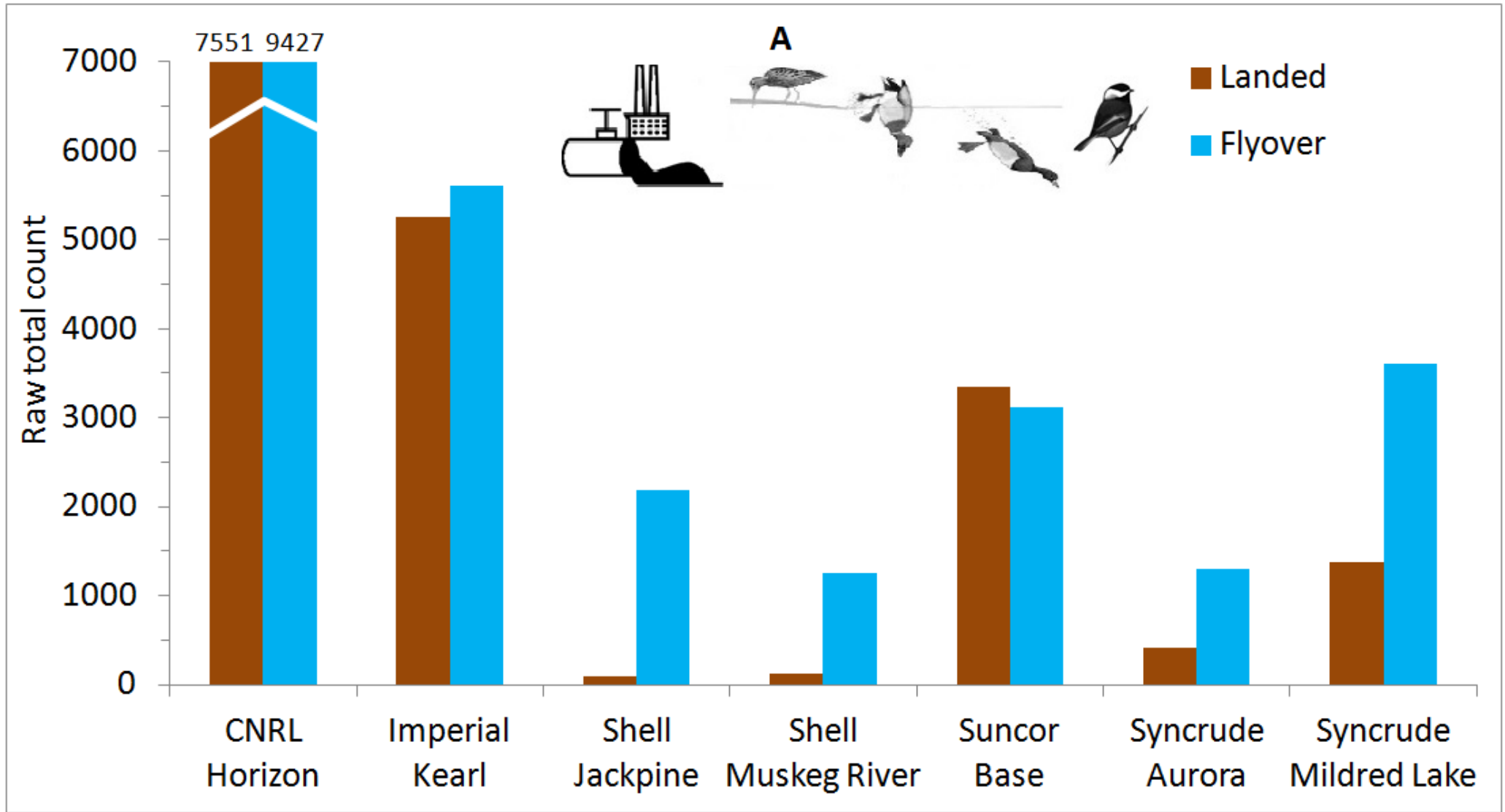
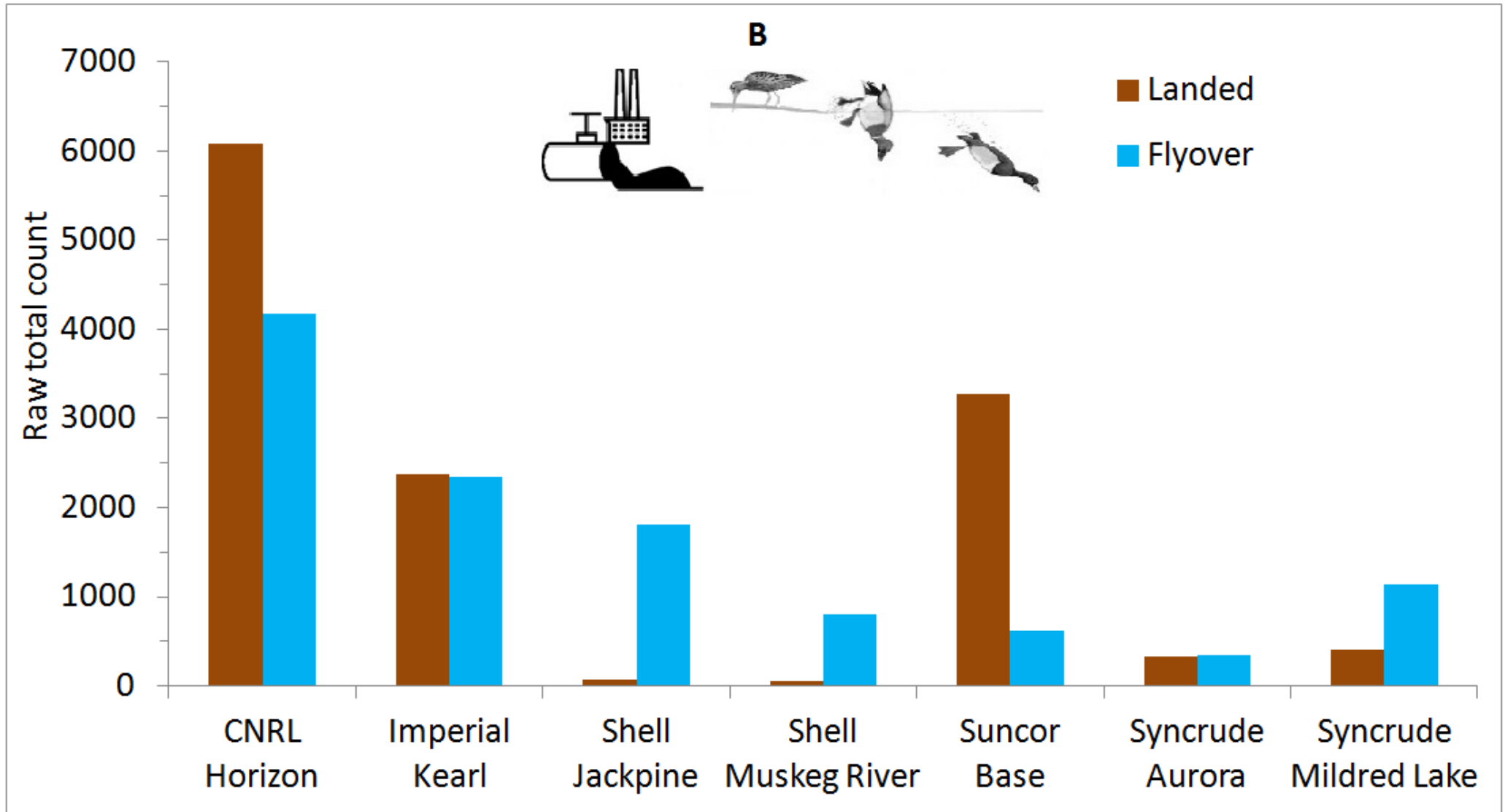


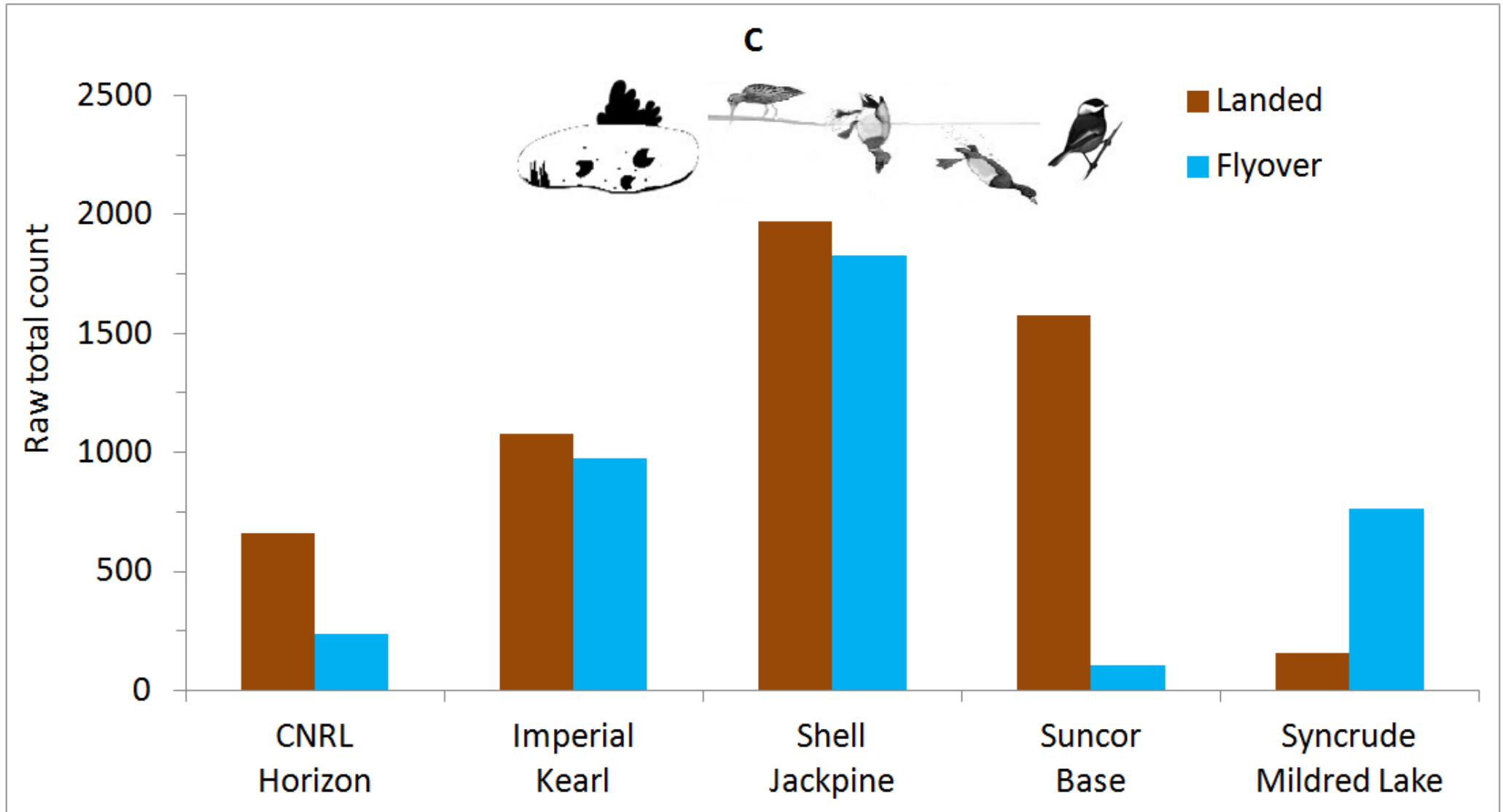
Figure 3 Number of birds flying over vs. landed

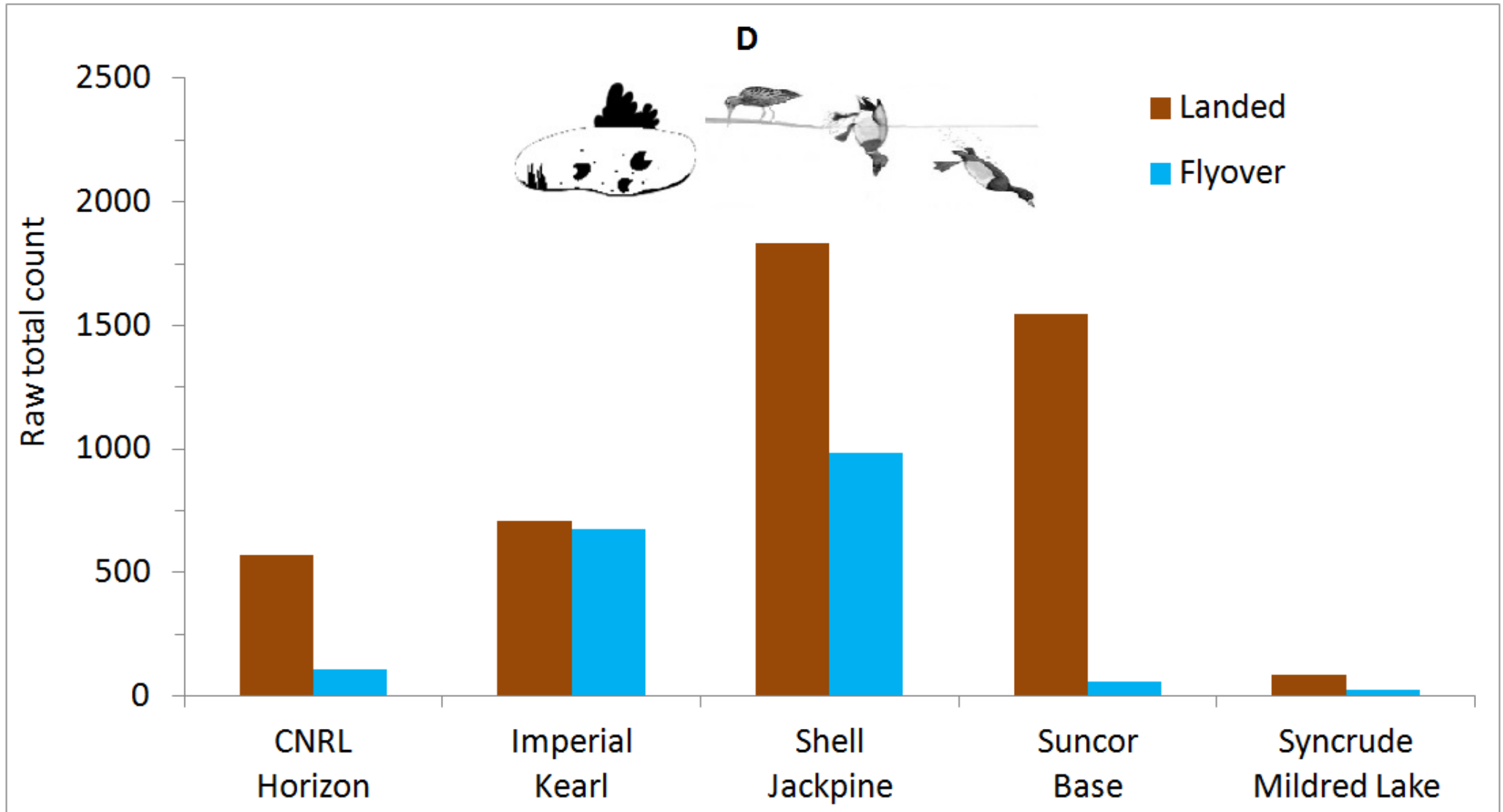
Total number of birds detected flying over vs. landed for each operator. Results are tallied separately for process-affected water ponds (Panels A and B) and for freshwater ponds (Panels C and D) and for all guilds (Panels A and C) and for only those in the three foraging guilds targeted by the monitoring program (i.e., birds that dabble, dive, or wade; Panels B and D).

RAW

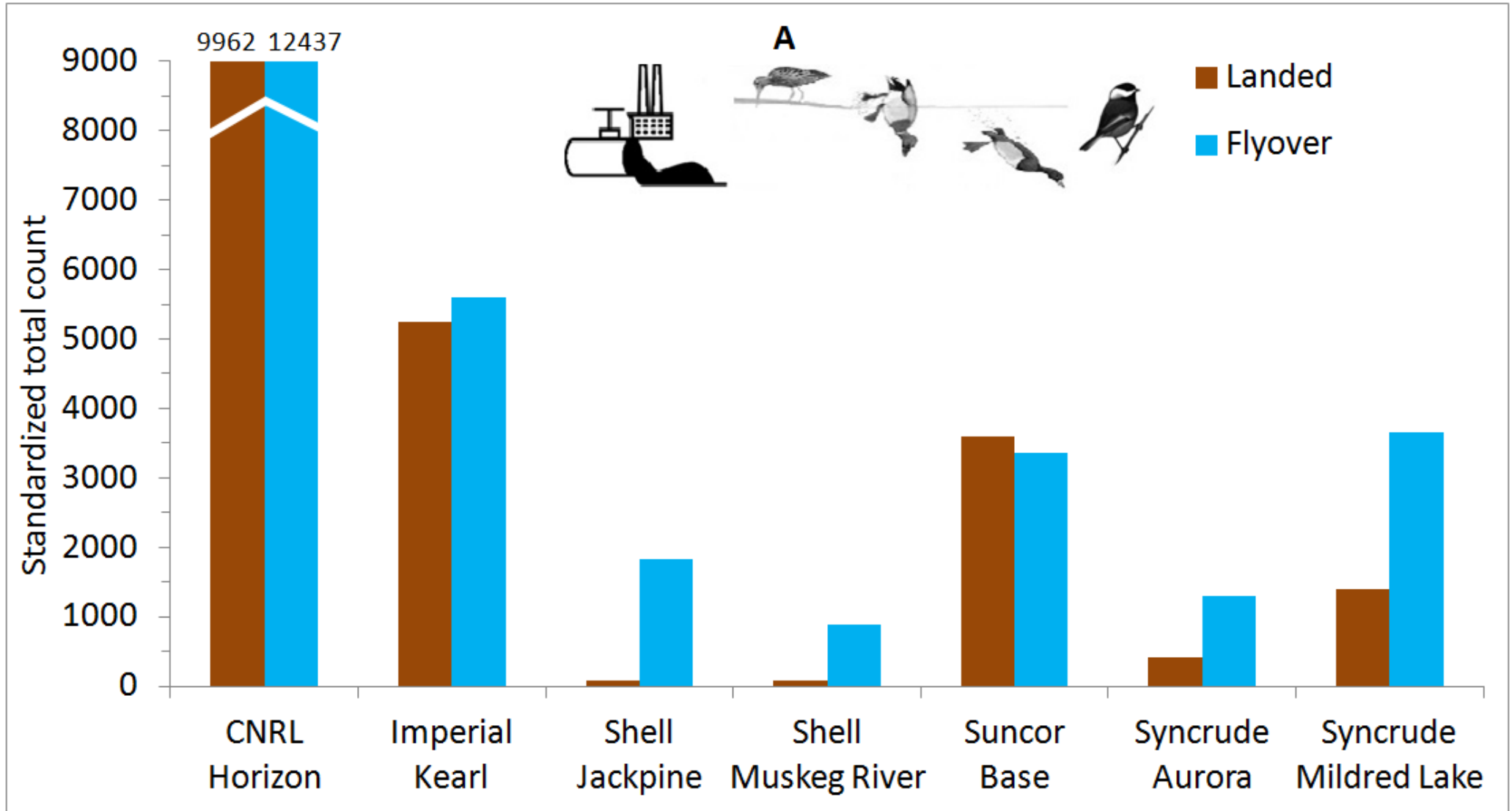


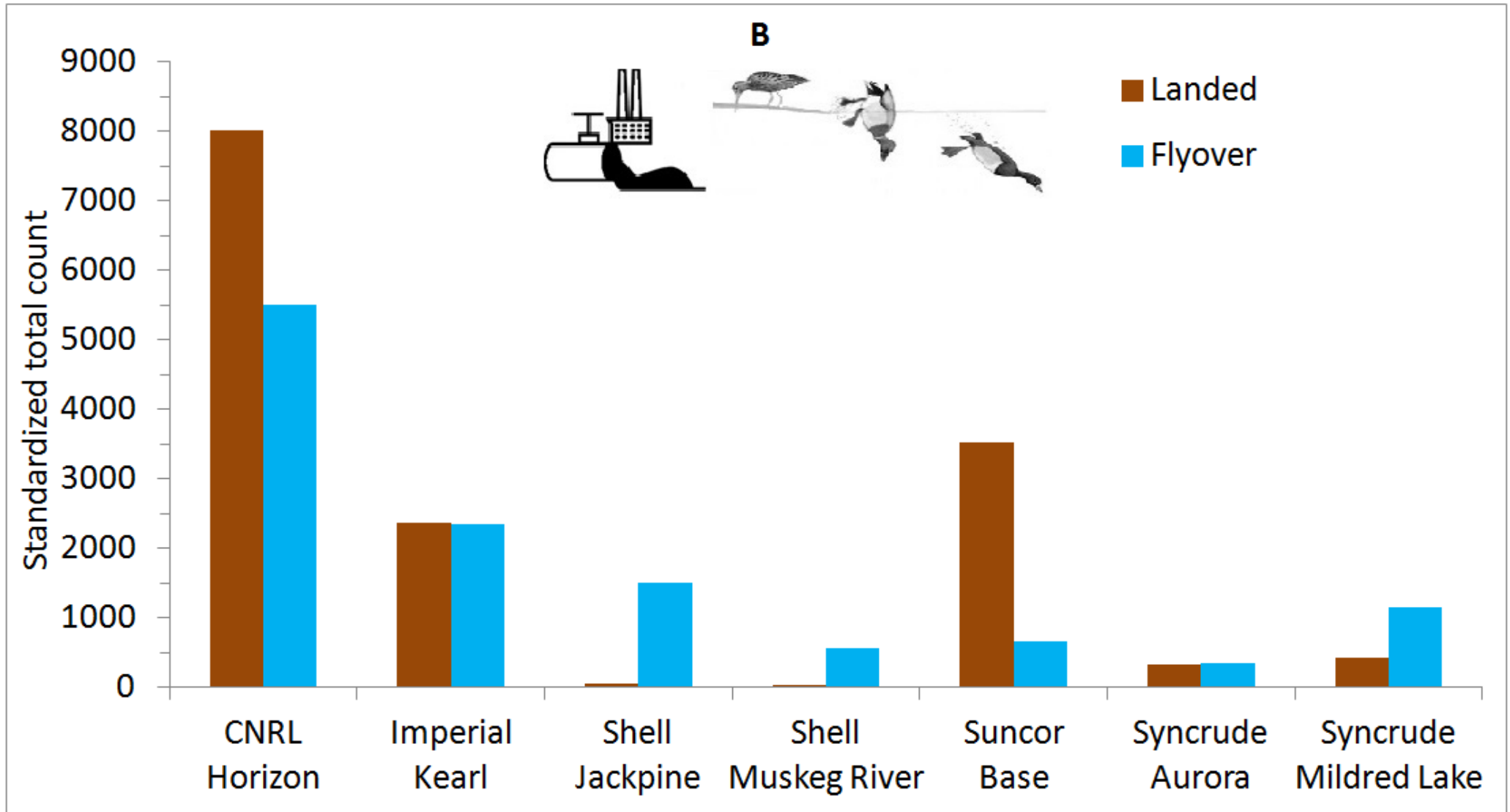






STANDARDIZED TO DESIGNATED NUMBER OF SPATIAL AND TEMPORAL SAMPLES





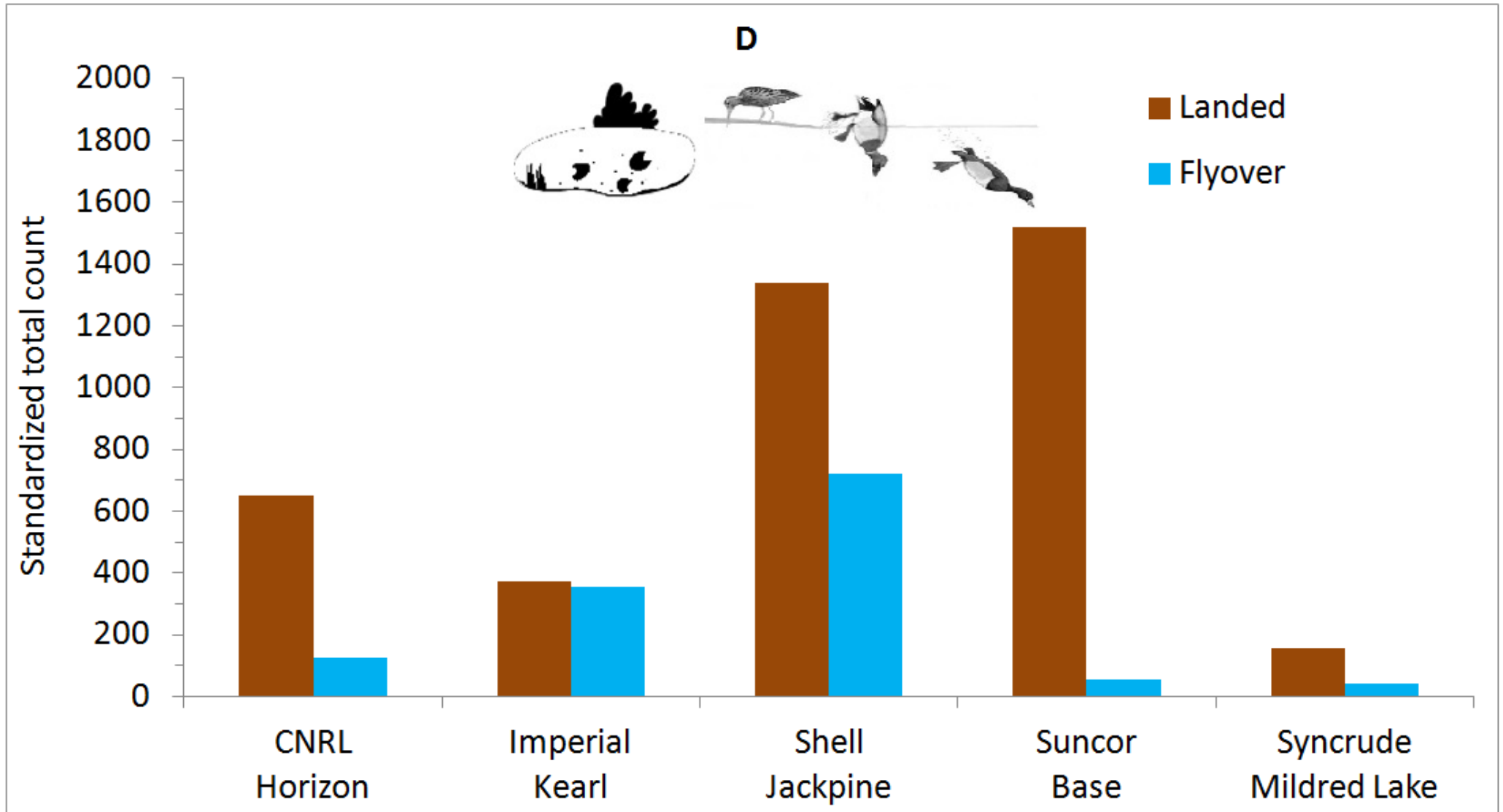
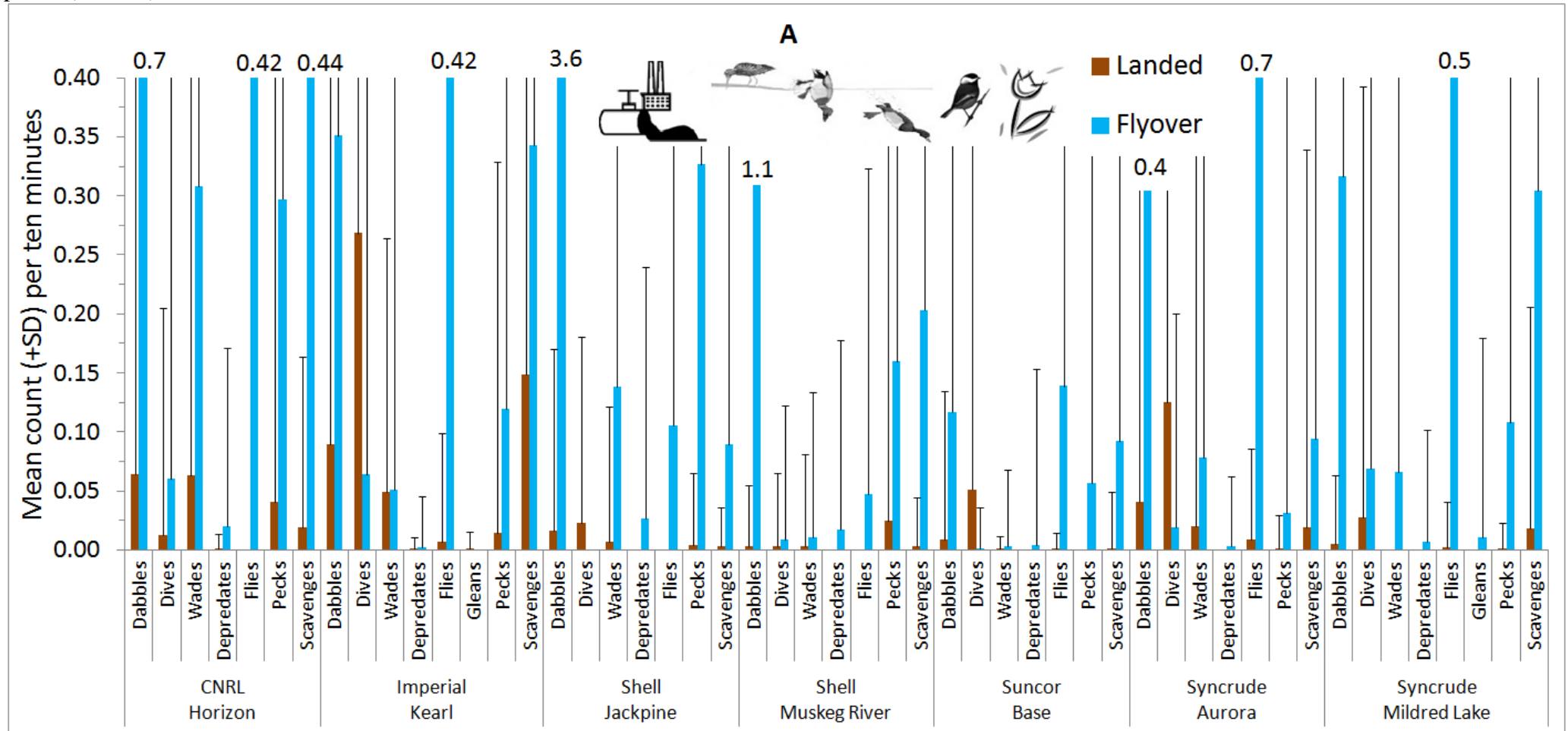
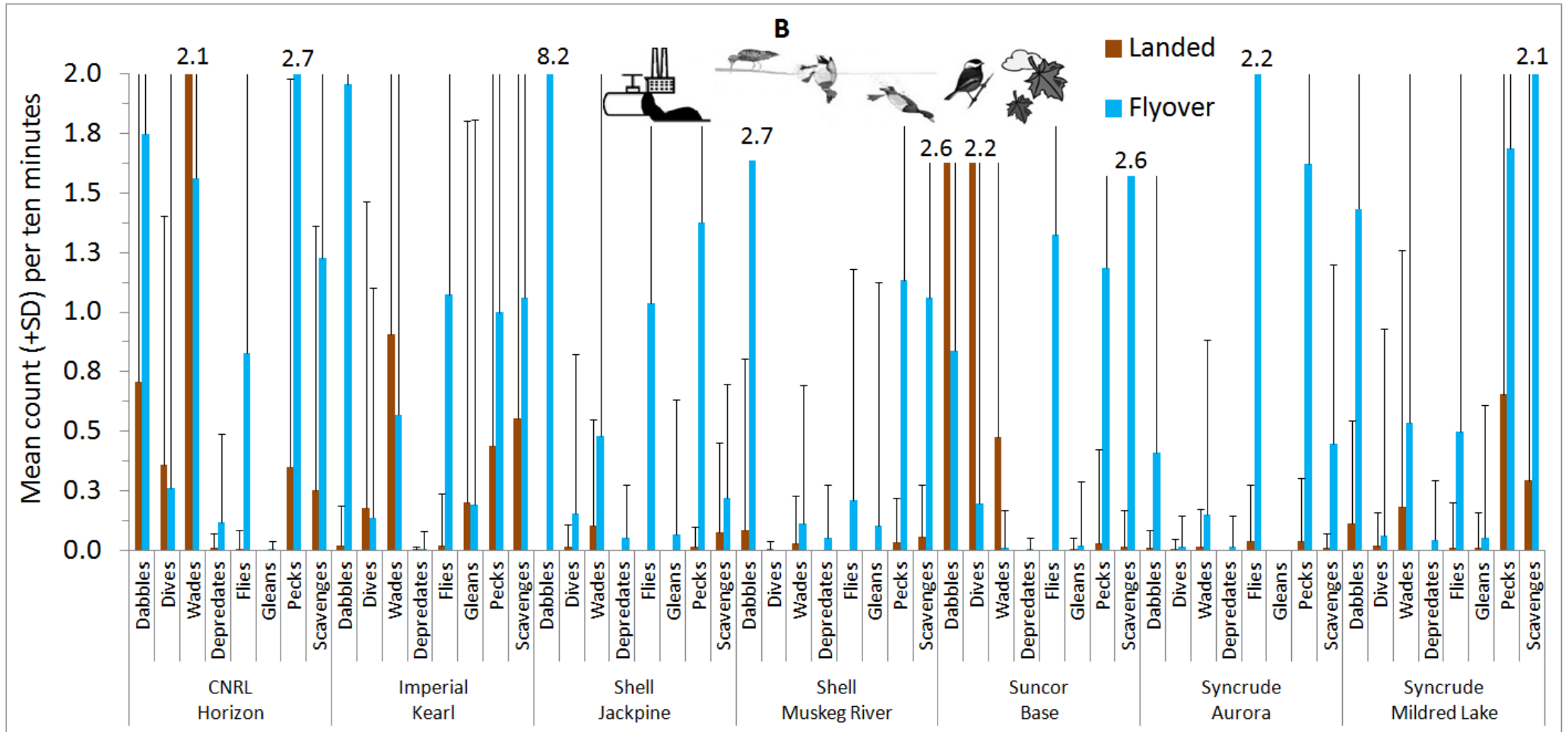
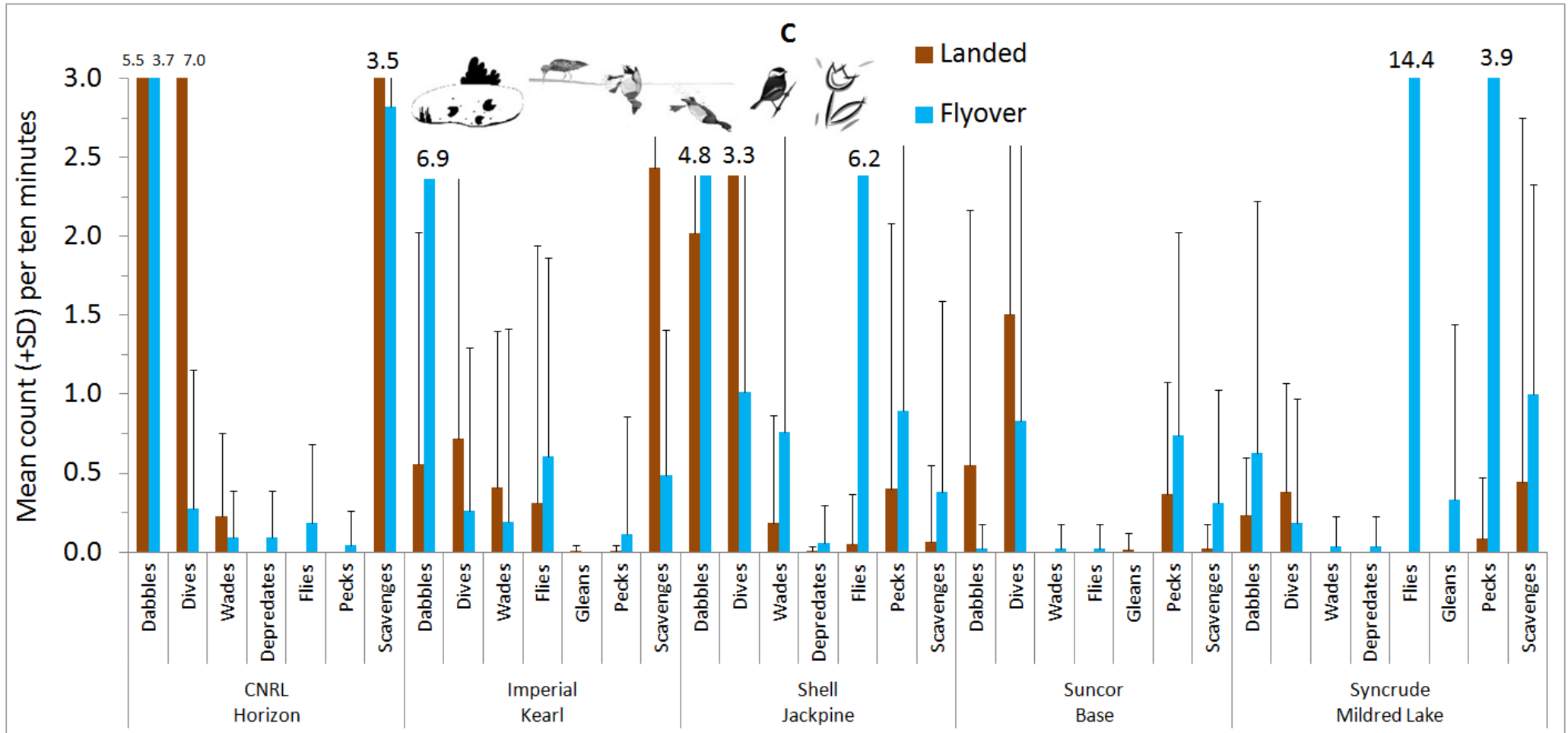


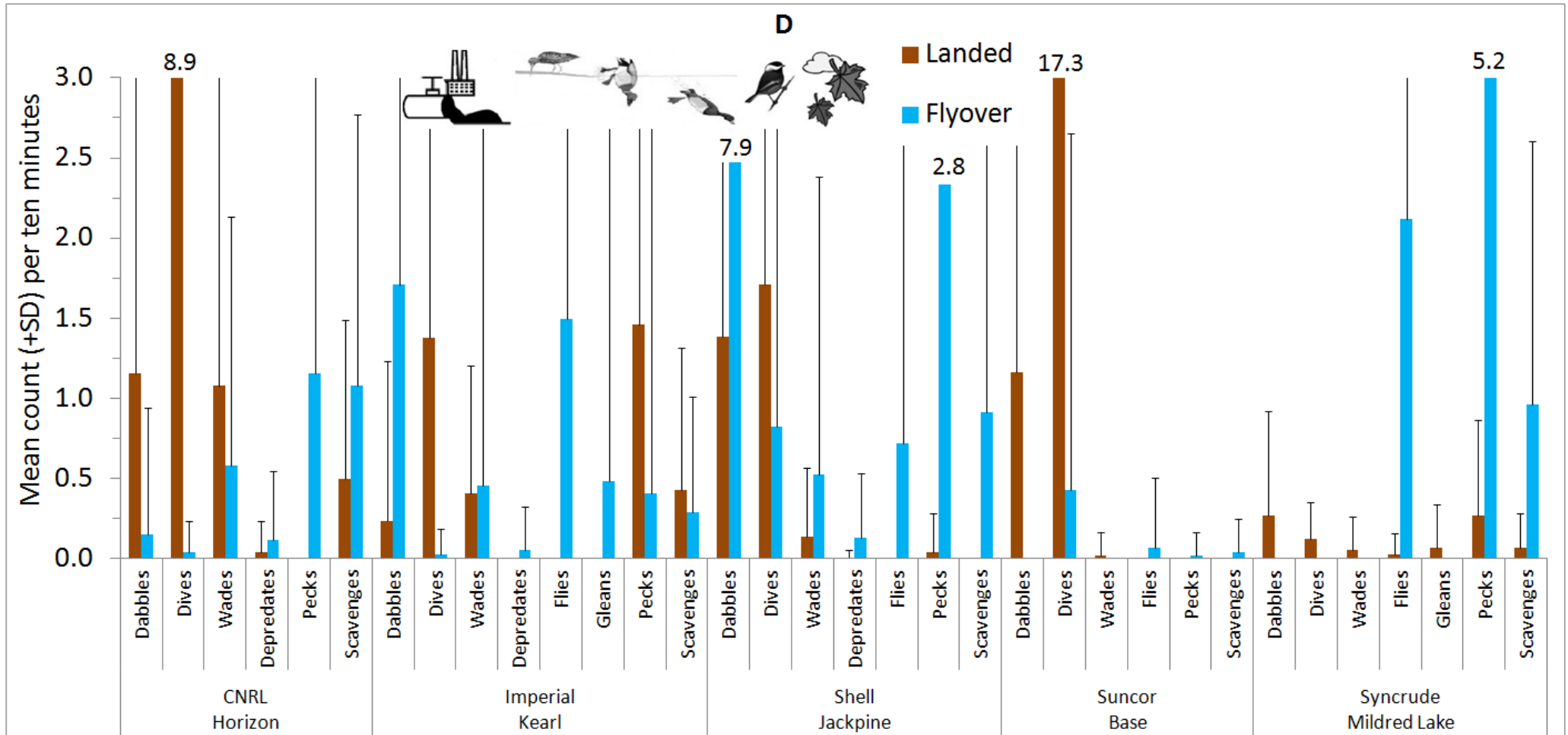
Figure 4 Bird detections by foraging mode

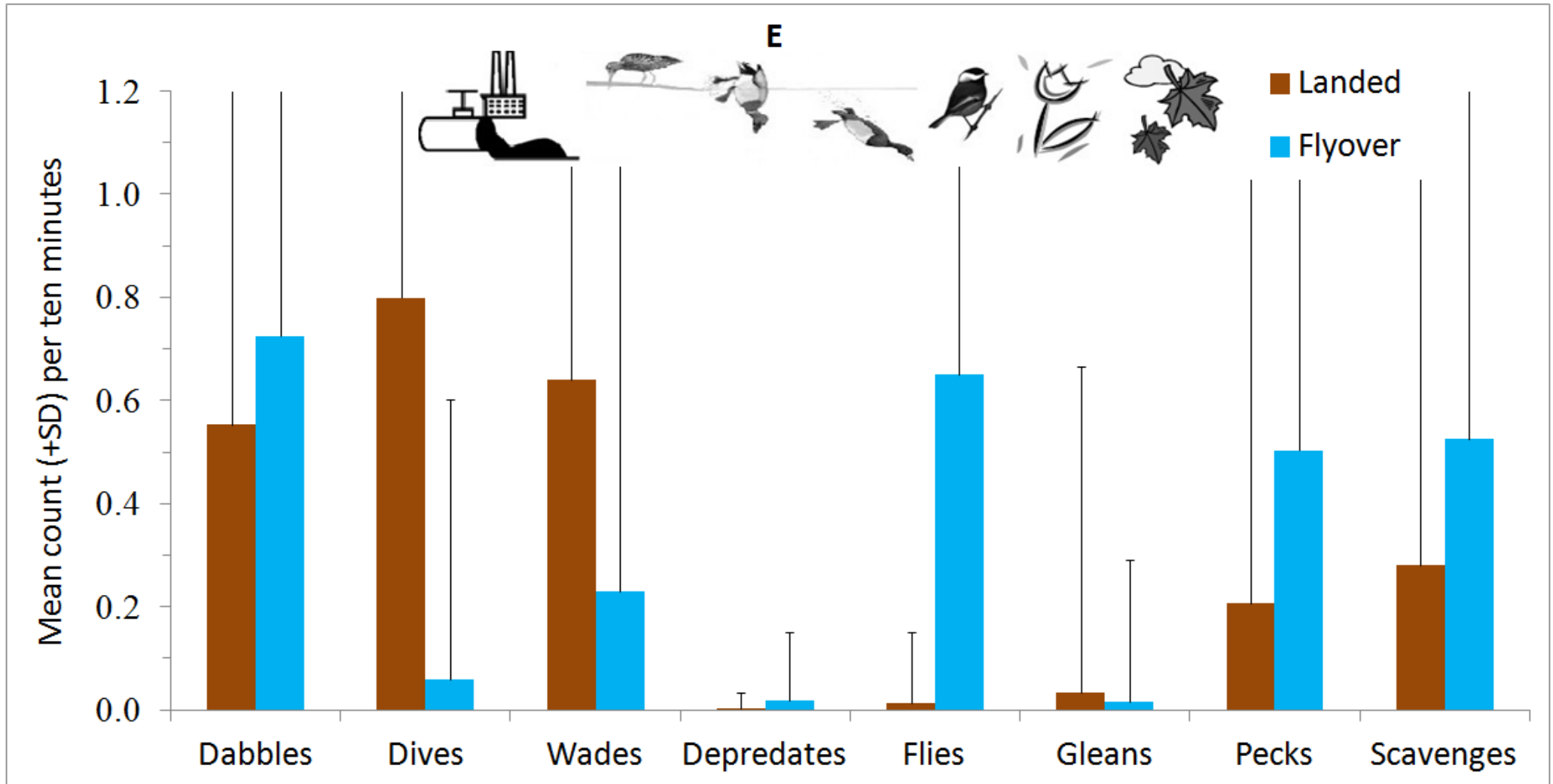
Mean number of birds (+ SD) detected per 10 minutes for birds categorized by their primary mode of foraging during standardized monitoring sessions for each of process-affected ponds (Panels A and B) and freshwater ponds (Panels C and D) and for each of spring (Panels A and C) and fall (Panels B and D). The average detection rate of birds across all operators for both seasons is shown for each guild separately for process-affected ponds (Panel E) and freshwater ponds (Panel F).











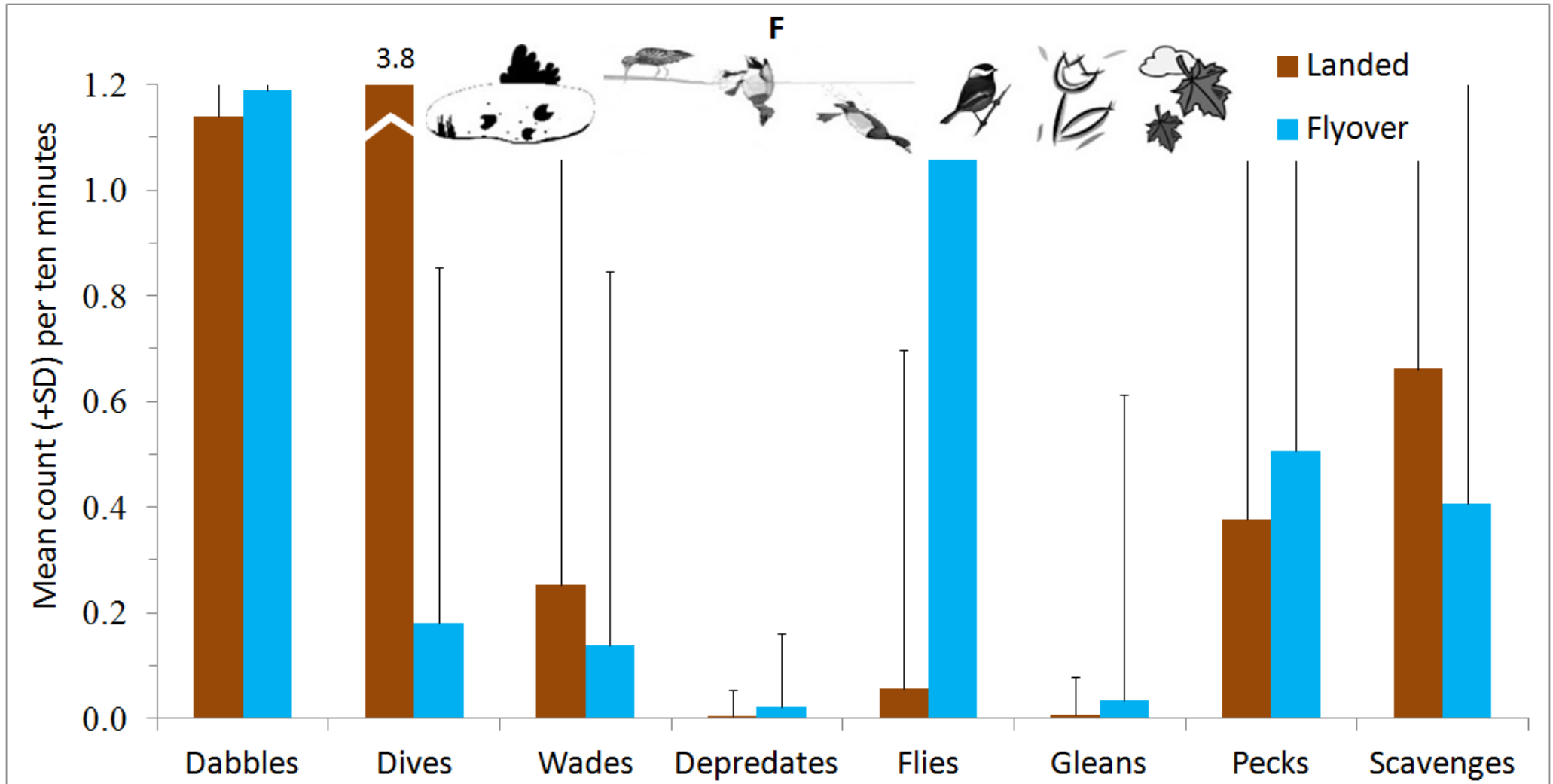
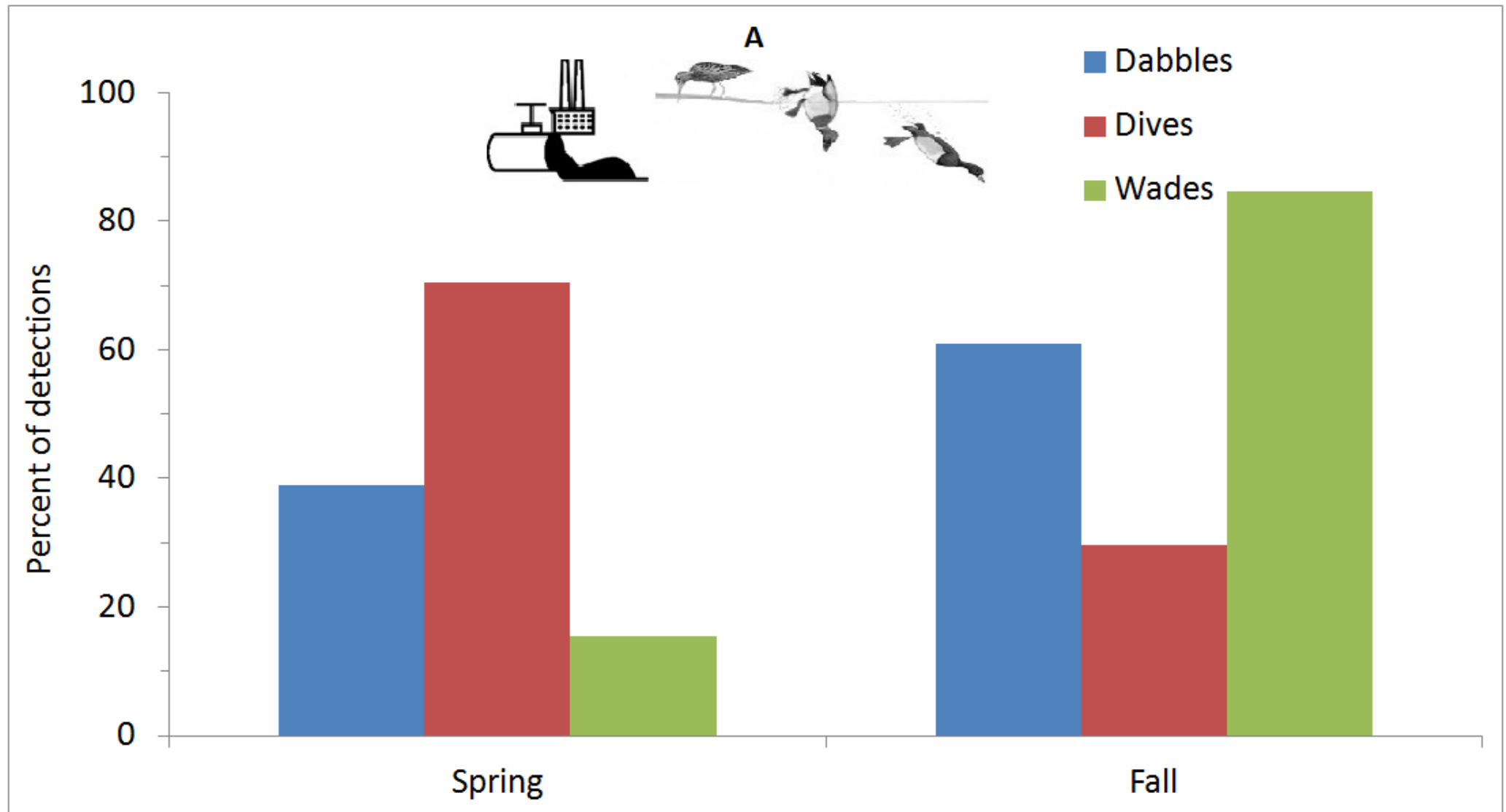


Figure 5 Bird detections by season for target guilds

Detections of landed birds by season at process-affected ponds for the target foraging guilds of birds that dabble, dive, or wade expressed as a percentage of total (Panel A), and the total number of detections (Panel B).



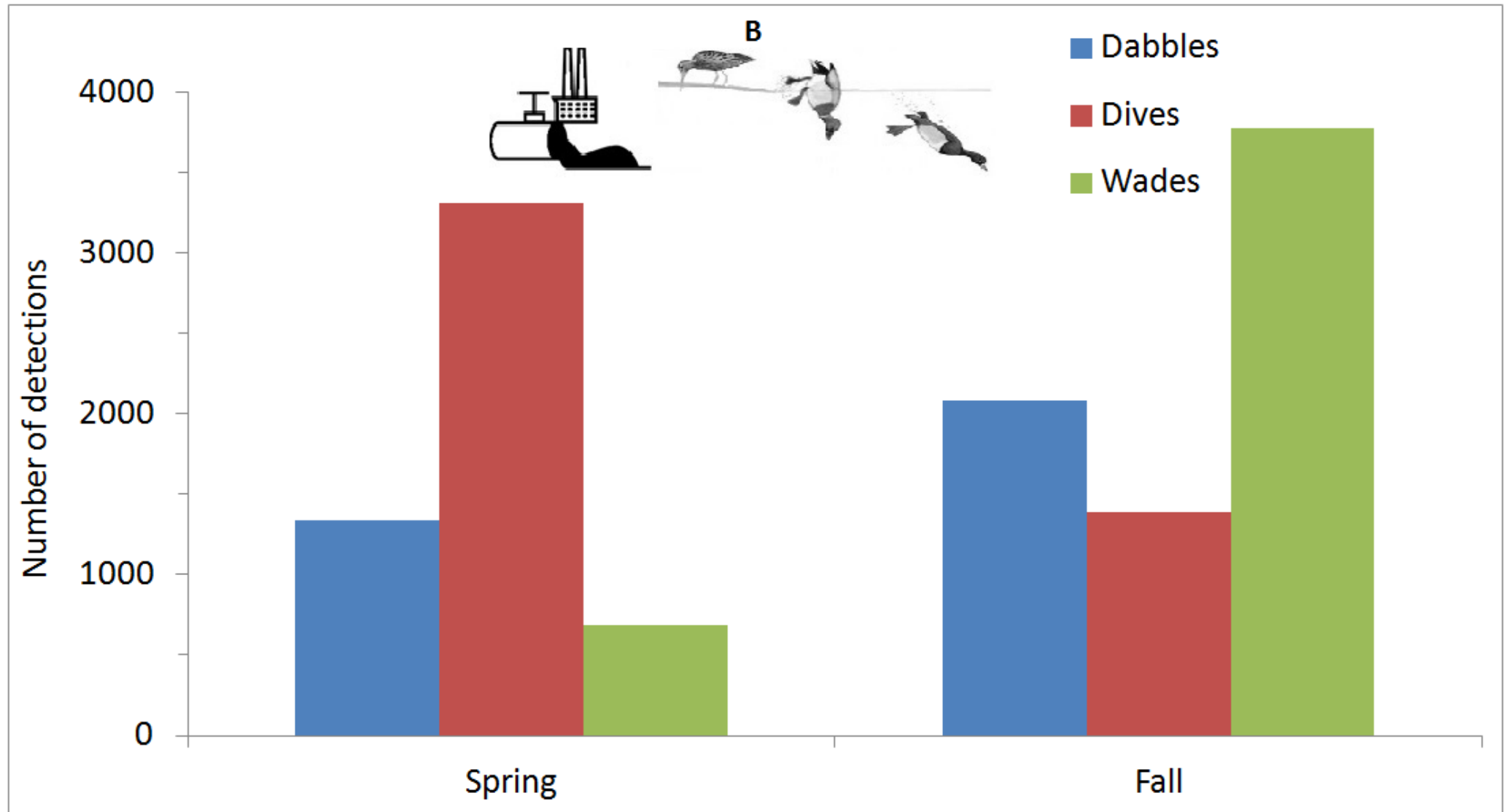
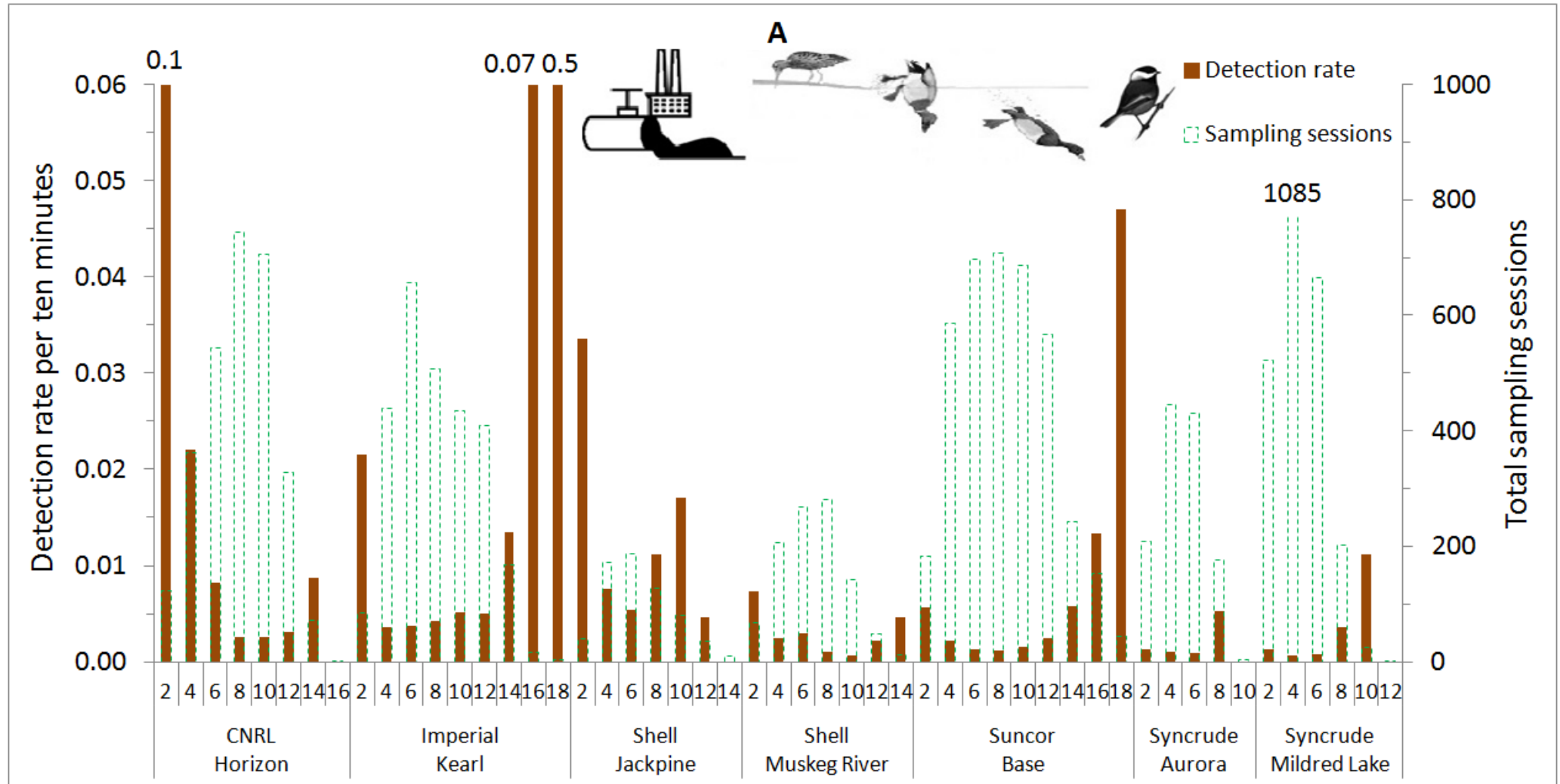
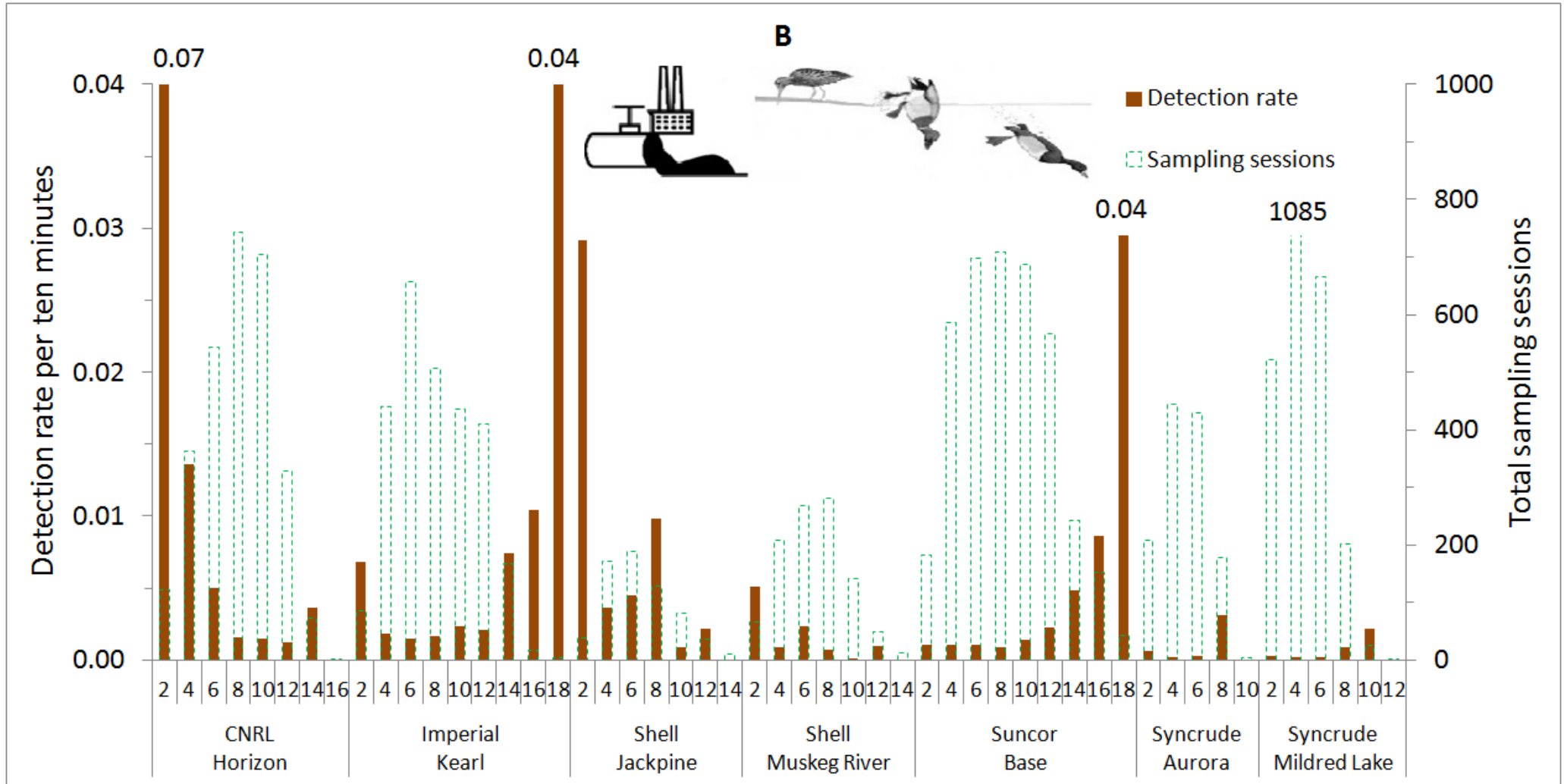
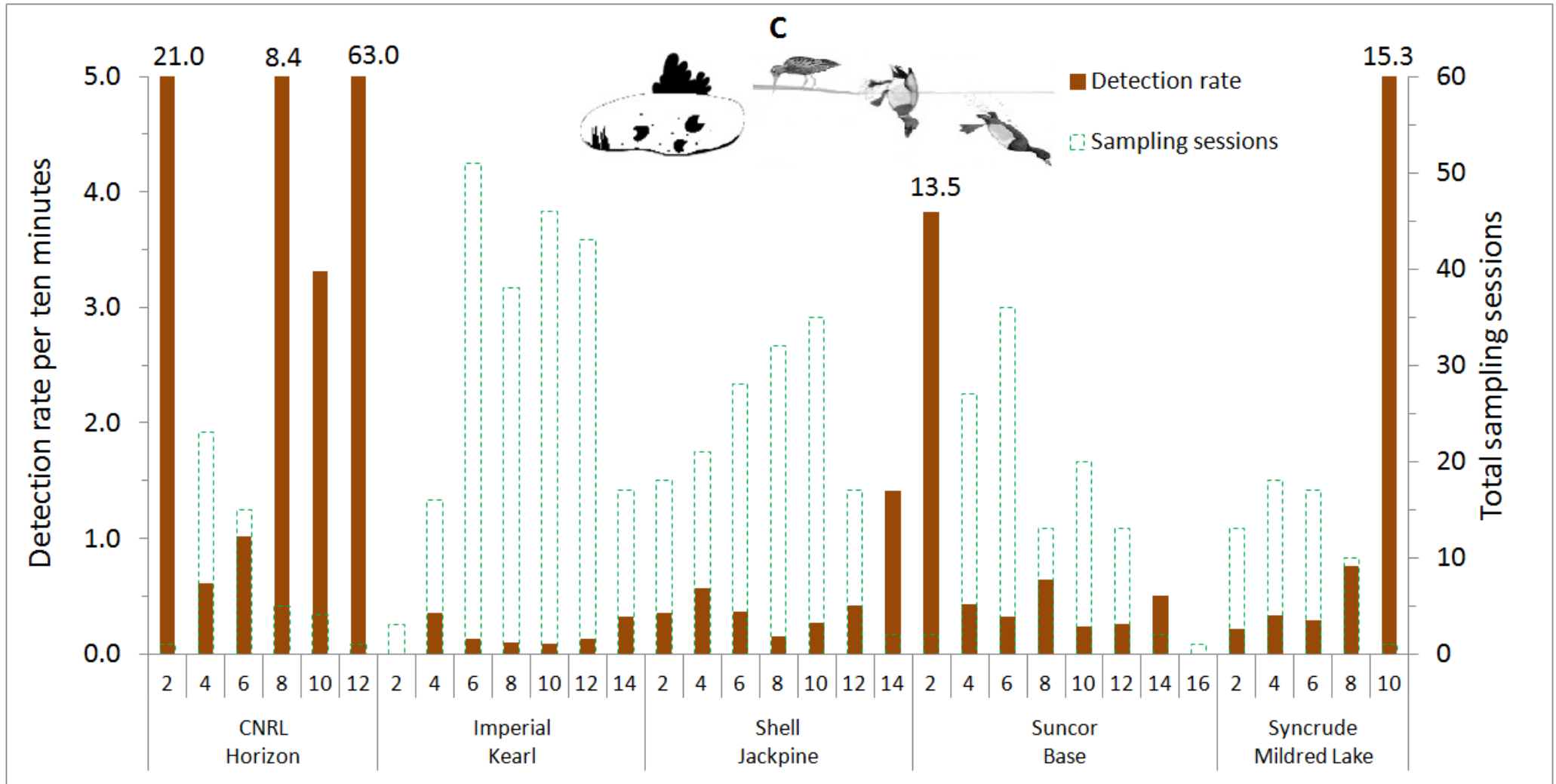


Figure 6 Bird detections by operator and hour since sunrise

Rate of bird detections (standardized to 10 minute observation sessions and corrected for the number of visits), in each 2-hour time block since sunrise, for ponds containing process-affected water (Panels A and B) and freshwater (Panels C and D), and for all guilds (Panels A and C) and for target guilds (Panels B and D). The number of sampling sessions in each time block is given on the secondary y-axis.







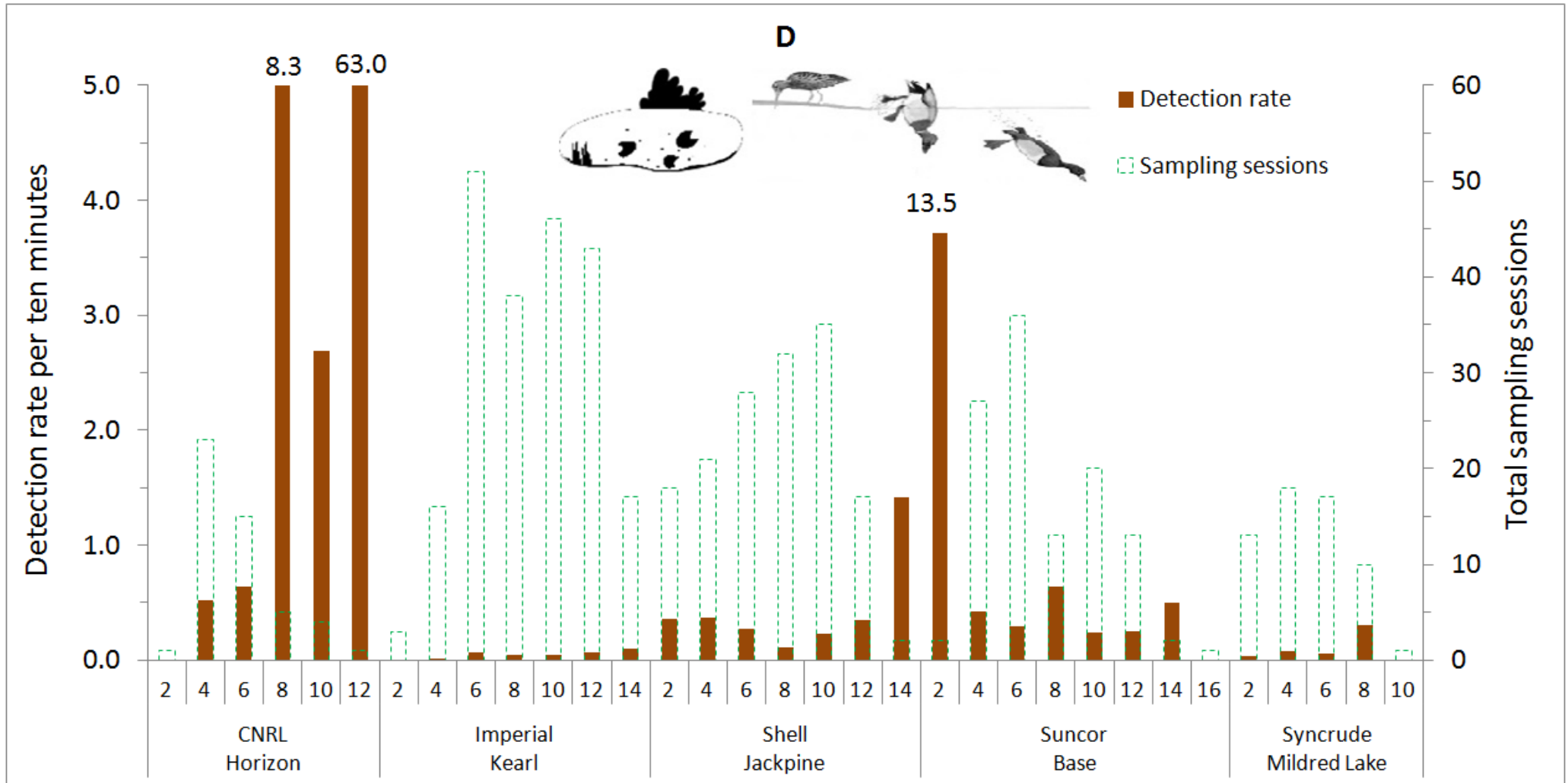
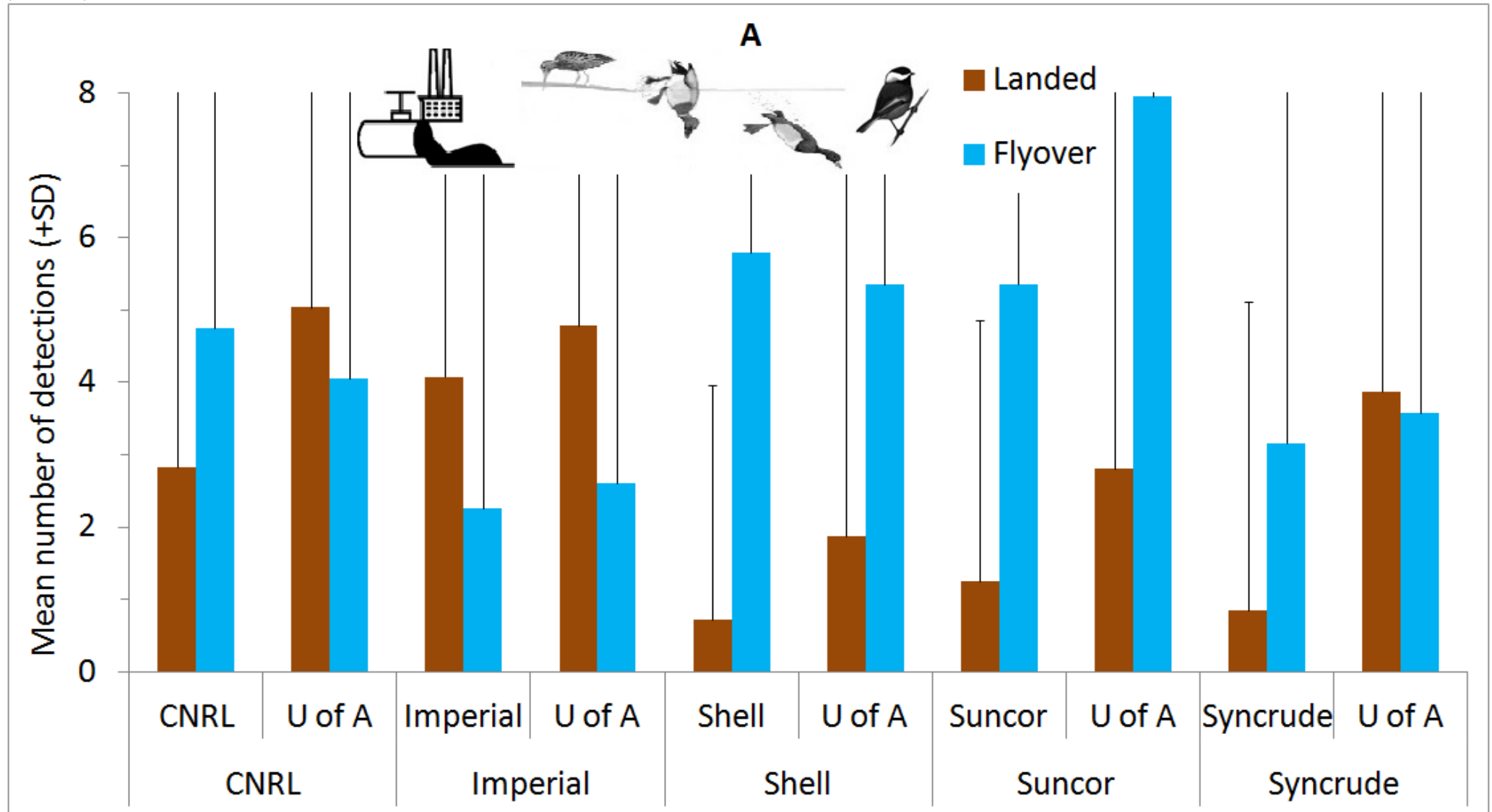


Figure 7 Detections per session for industry vs. U of A observers

Mean number of birds from all guilds recorded per observation session for spring and fall seasons combined during simultaneous observation sessions by each of industry and U of A observers. Results are tallied separately for landings and flyovers and for process-affected water ponds (Panel A) and freshwater ponds (Panel B).



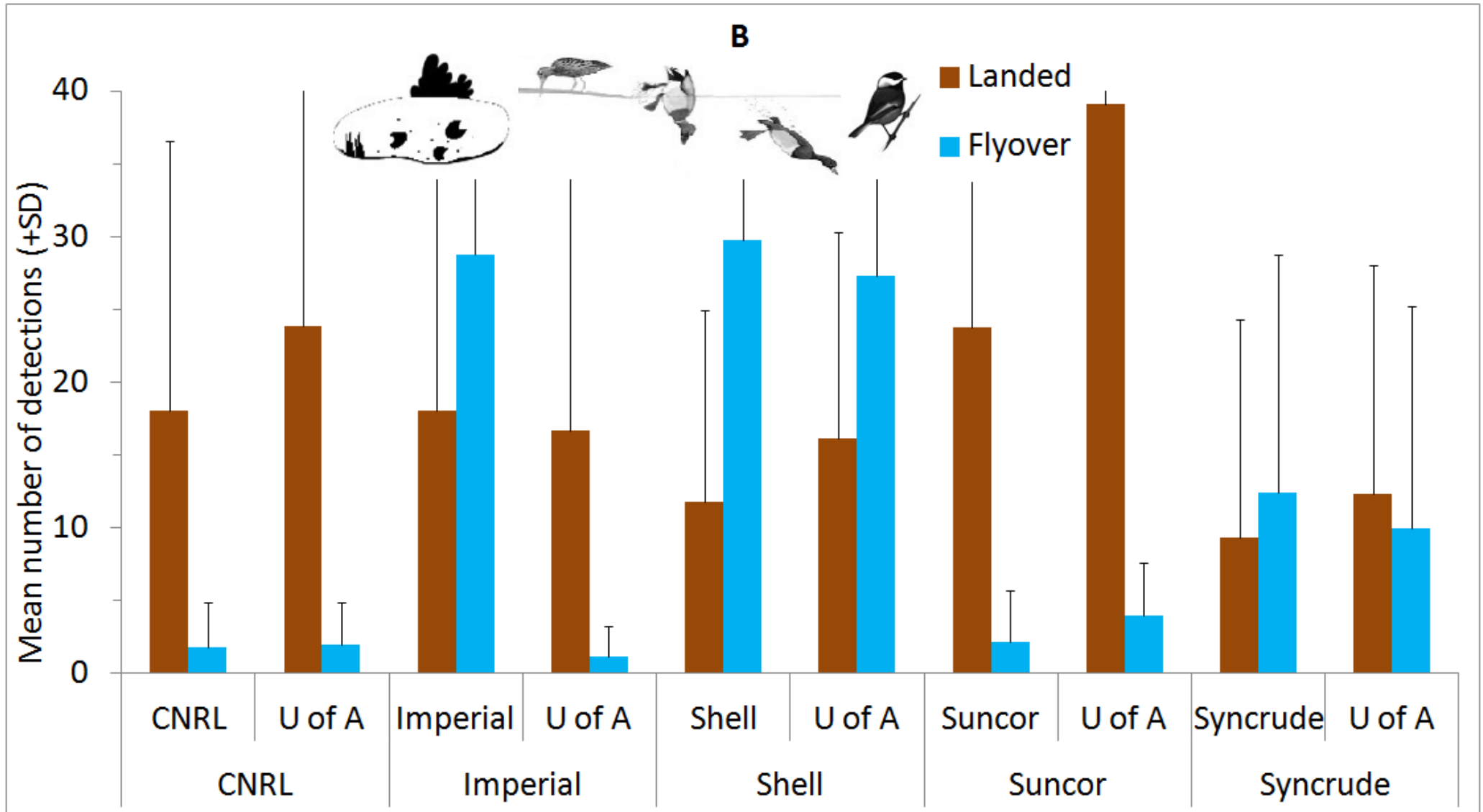
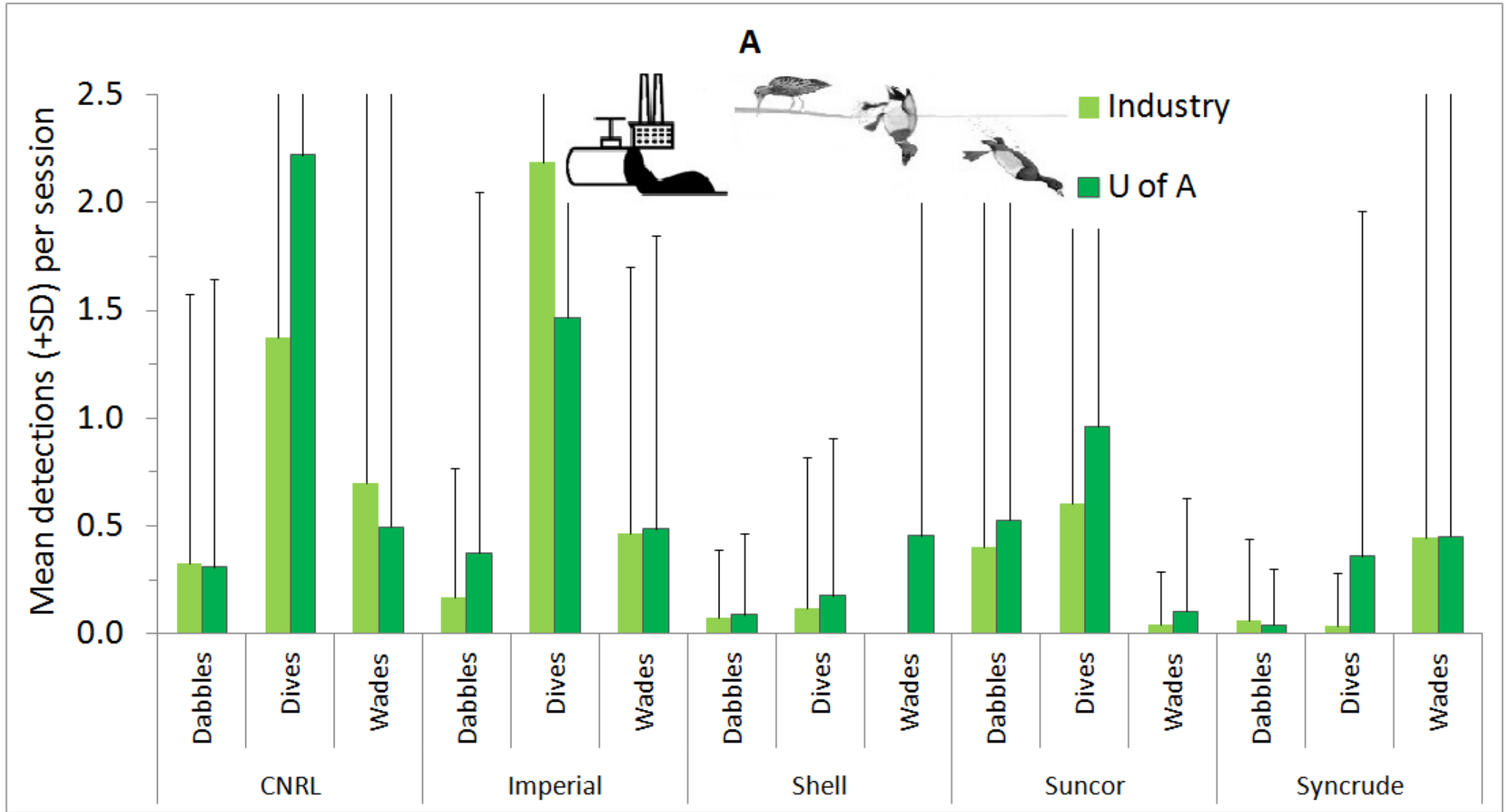
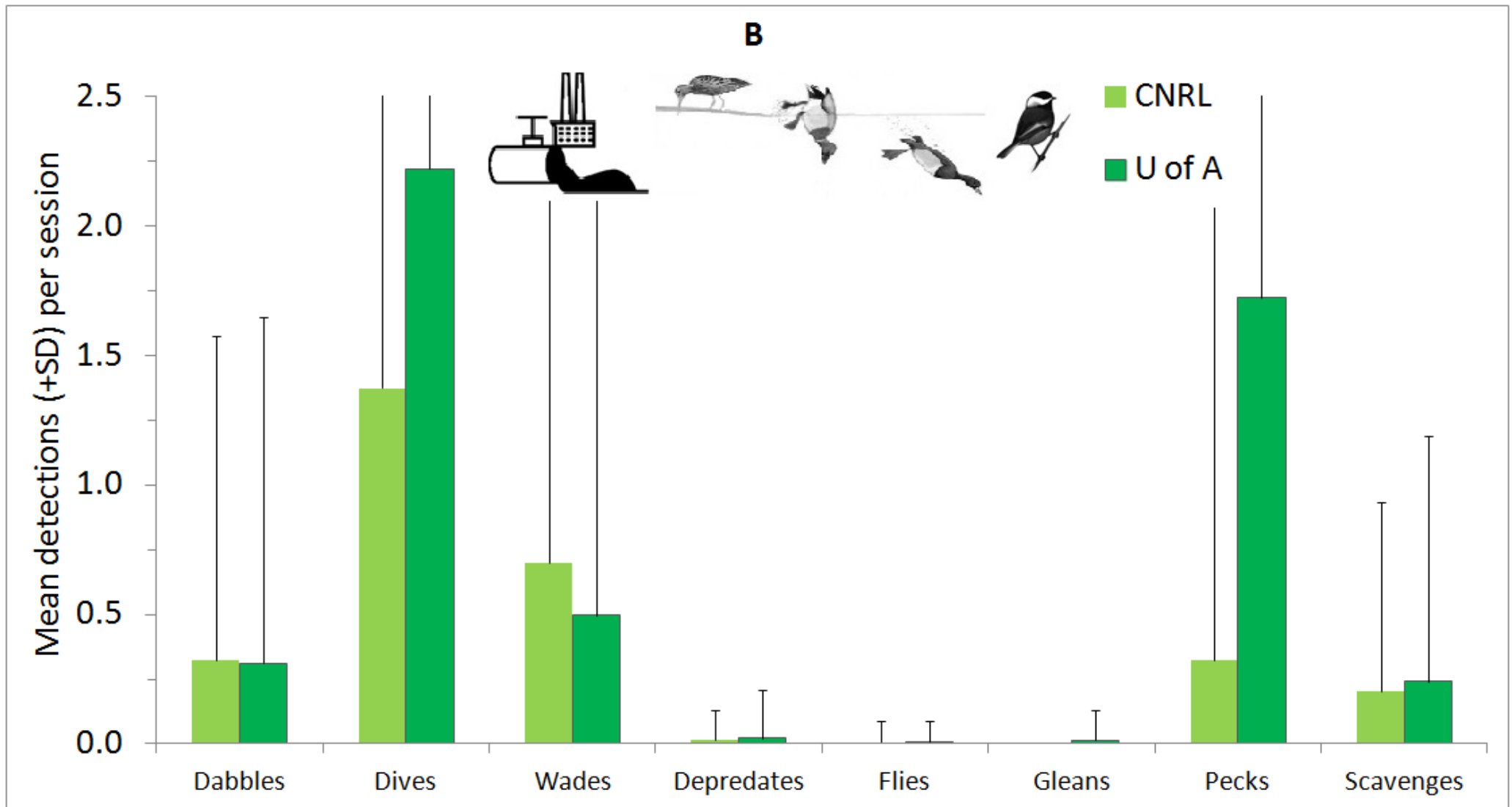
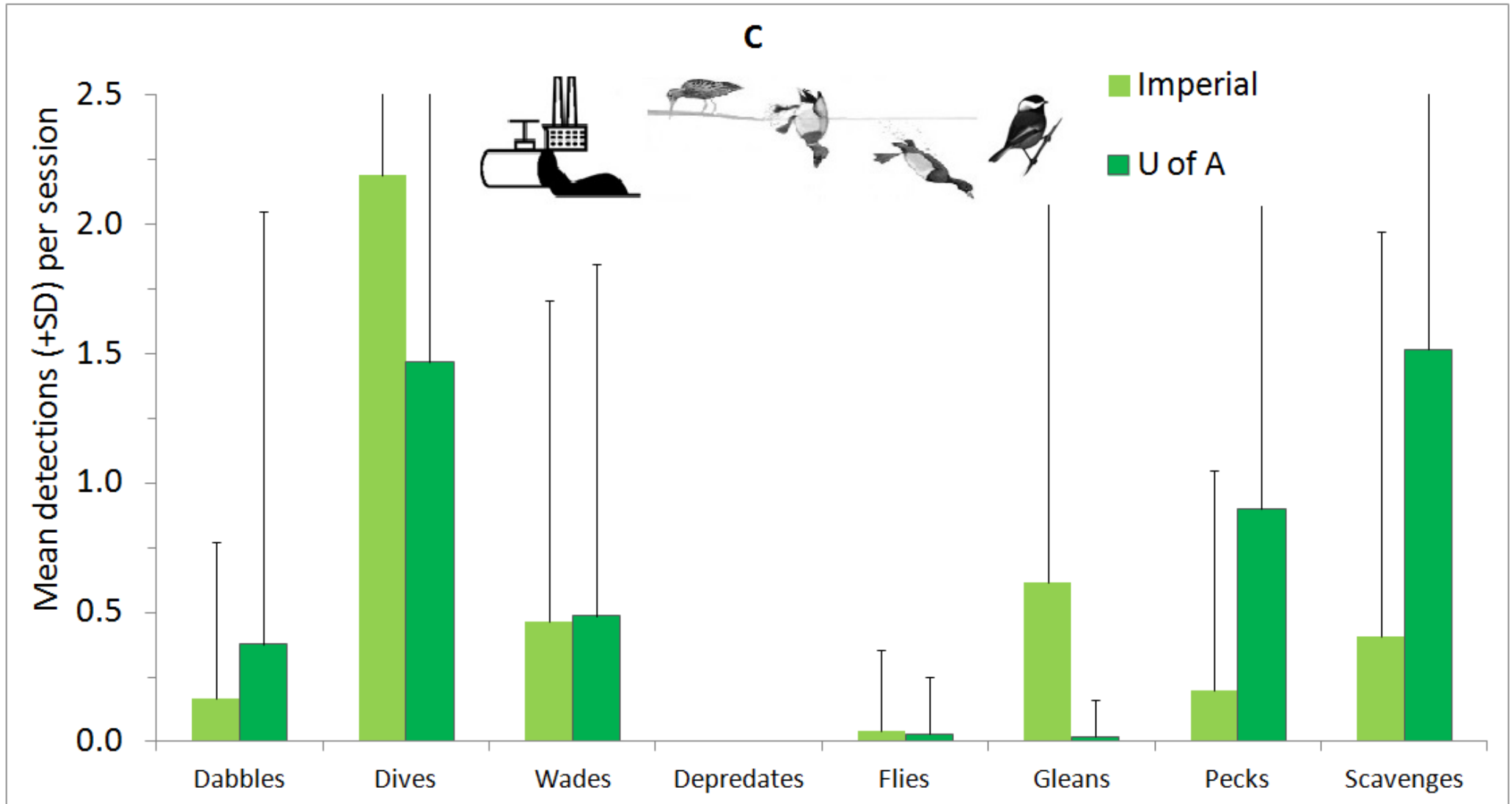


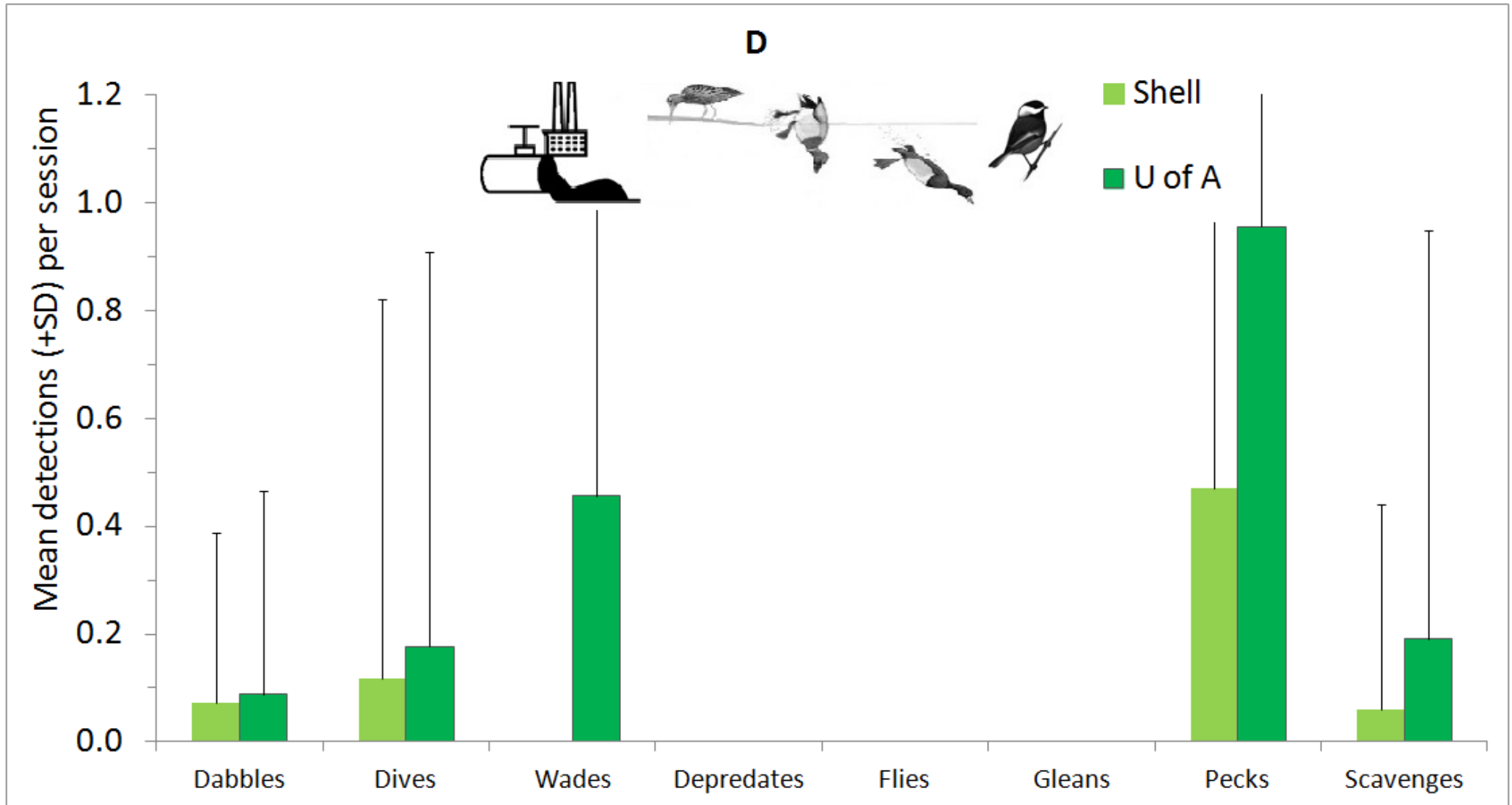
Figure 8 Counts by guild for industry vs. U of A observers at process-affected ponds

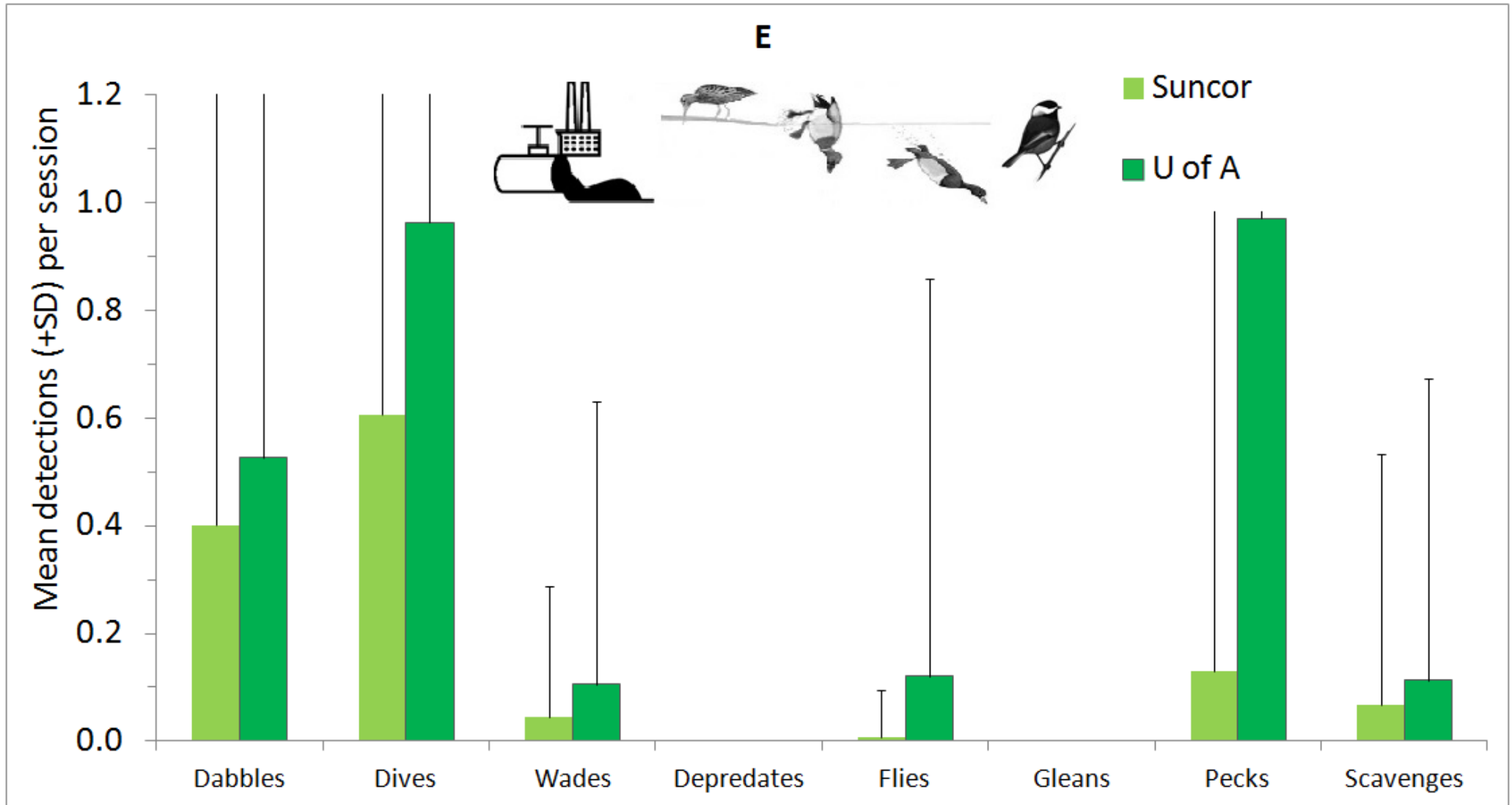
Mean number of landed birds of target guilds recorded during paired observation sessions at process affected ponds for spring and fall seasons combined by each of industry and U of A observers. The number of visits for each operator is provided in the text. Results are presented for the three target guilds and five operators combined (Panel A) and for each operator and all guilds (Panels B-F).











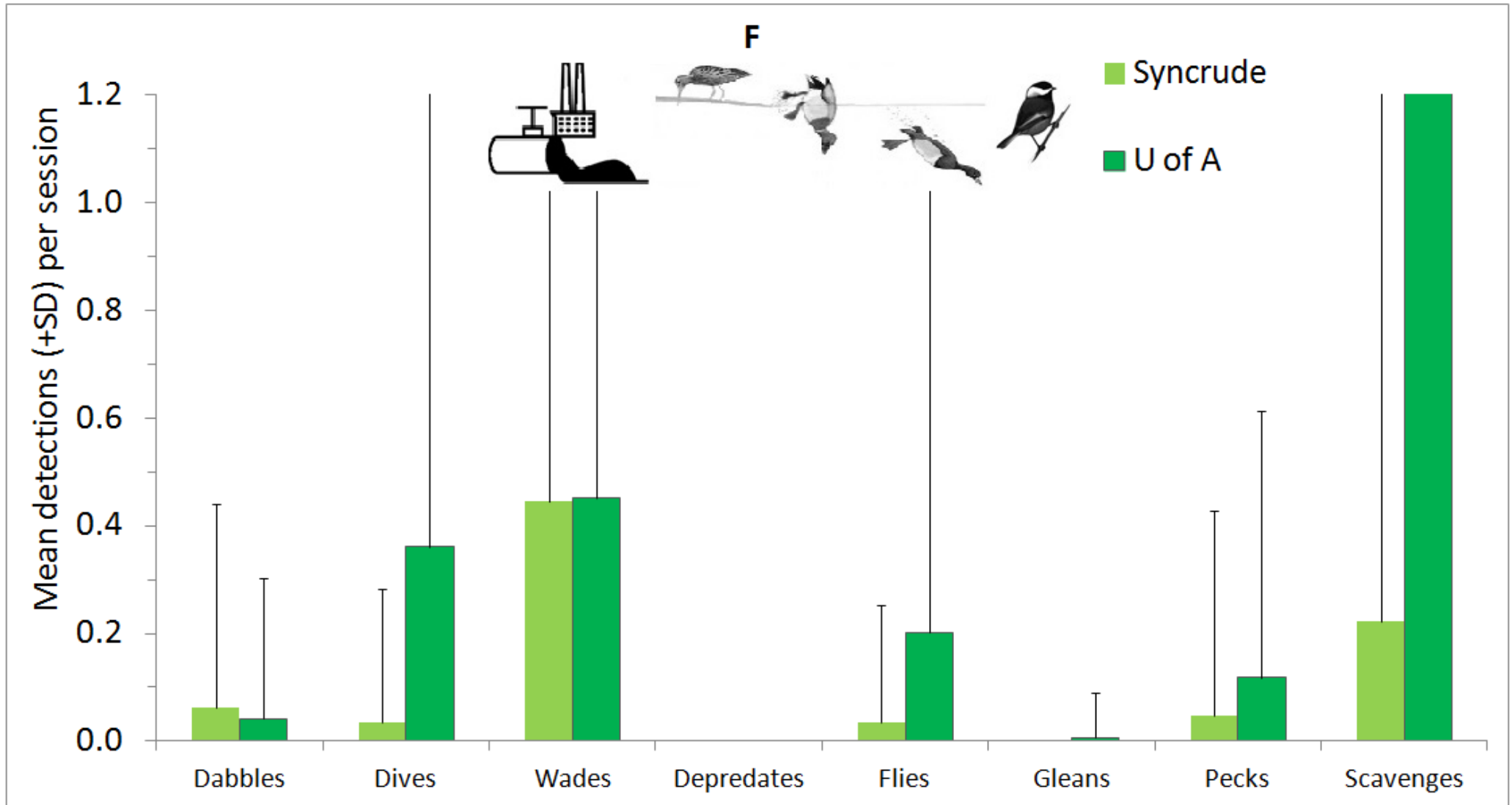


Figure 9 Number of mortalities of oiled birds and non-oiled target birds by guild

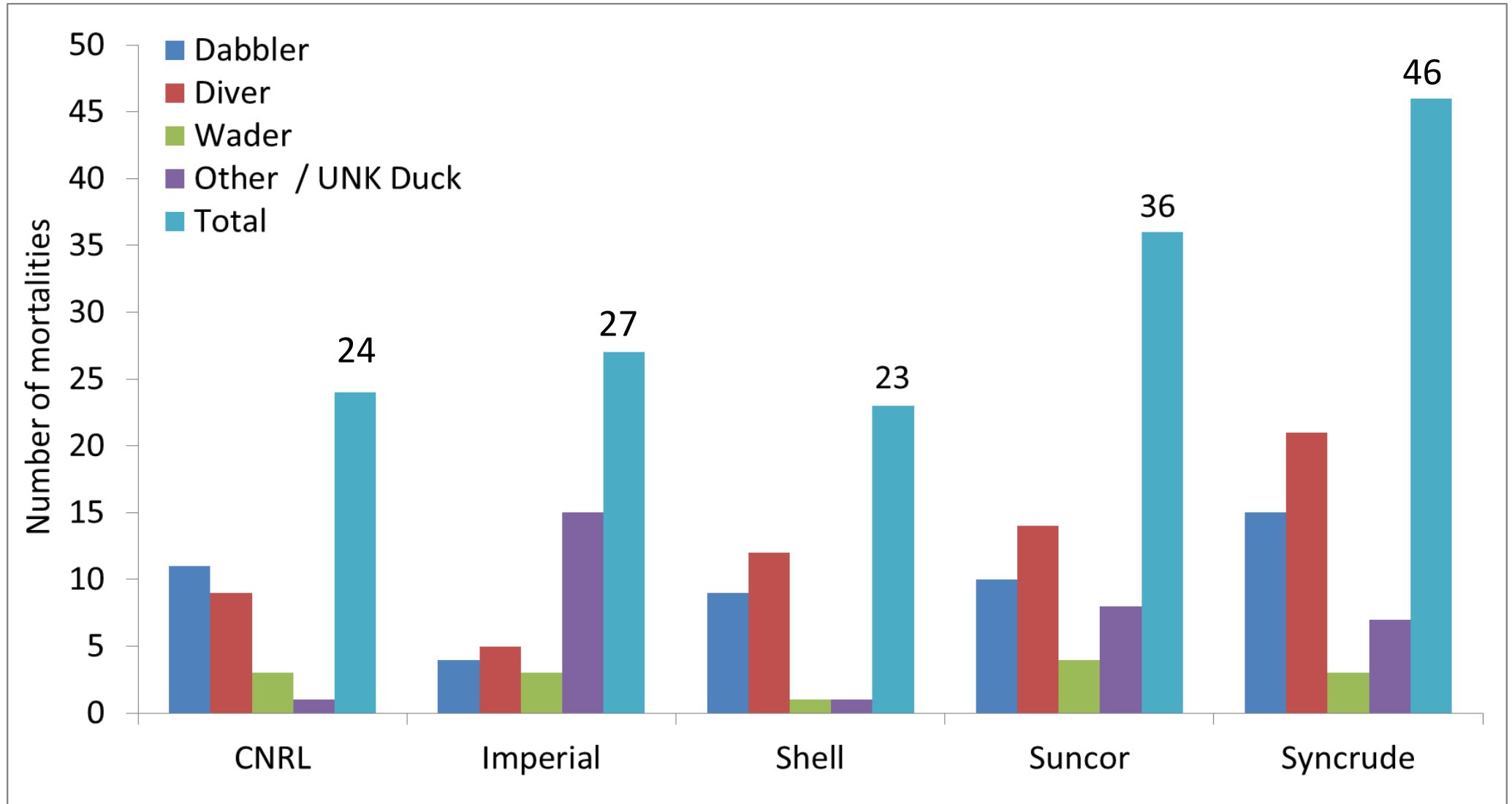


Figure 10 Number of mortalities of oiled birds and non-oiled target birds by species with risk status

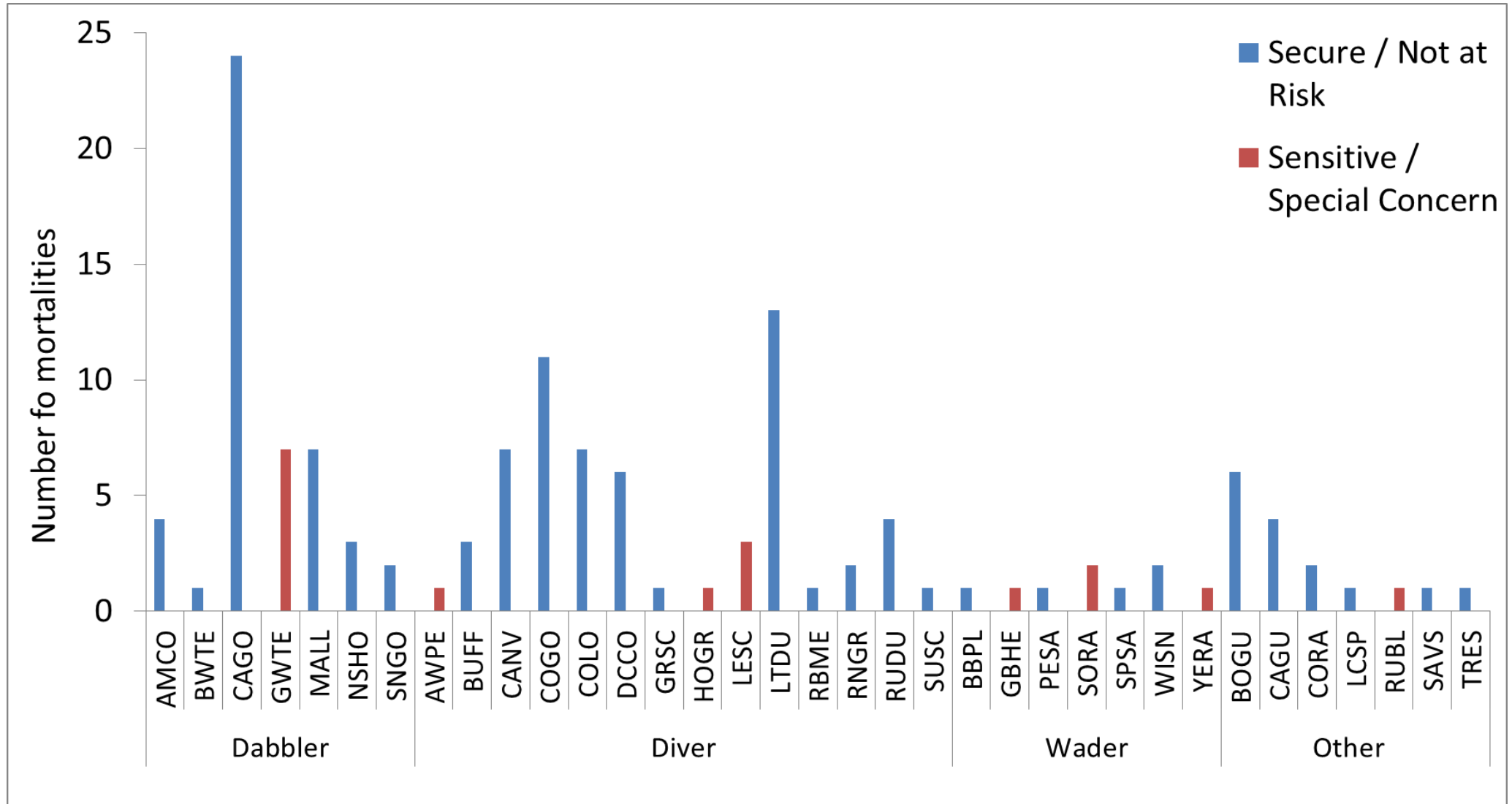


Figure 11 Number of mortalities of oiled birds and non-oiled target birds found per month by guild

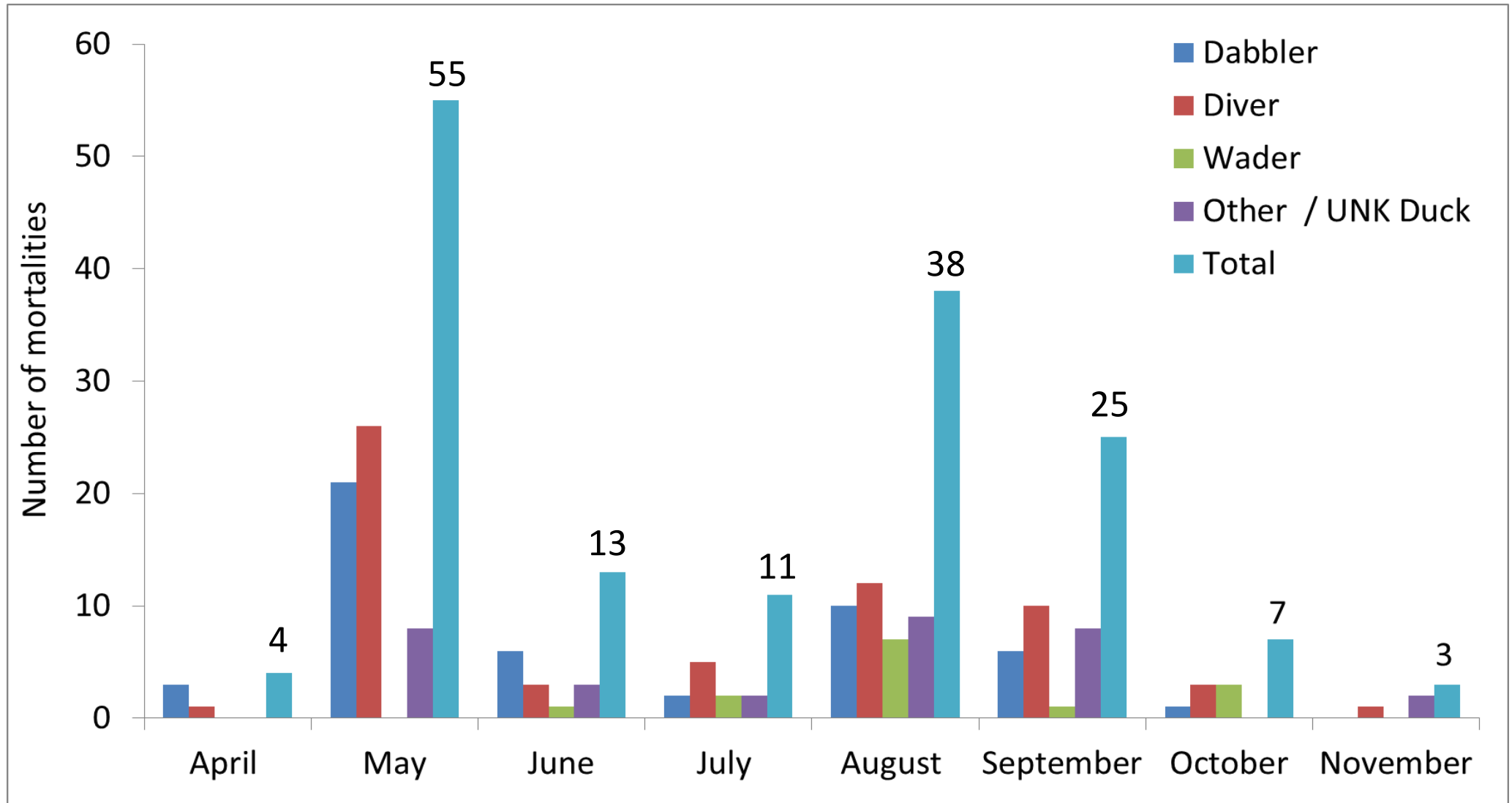


Figure 12 State of oiled birds and non-oiled target birds when found that resulted in mortalities

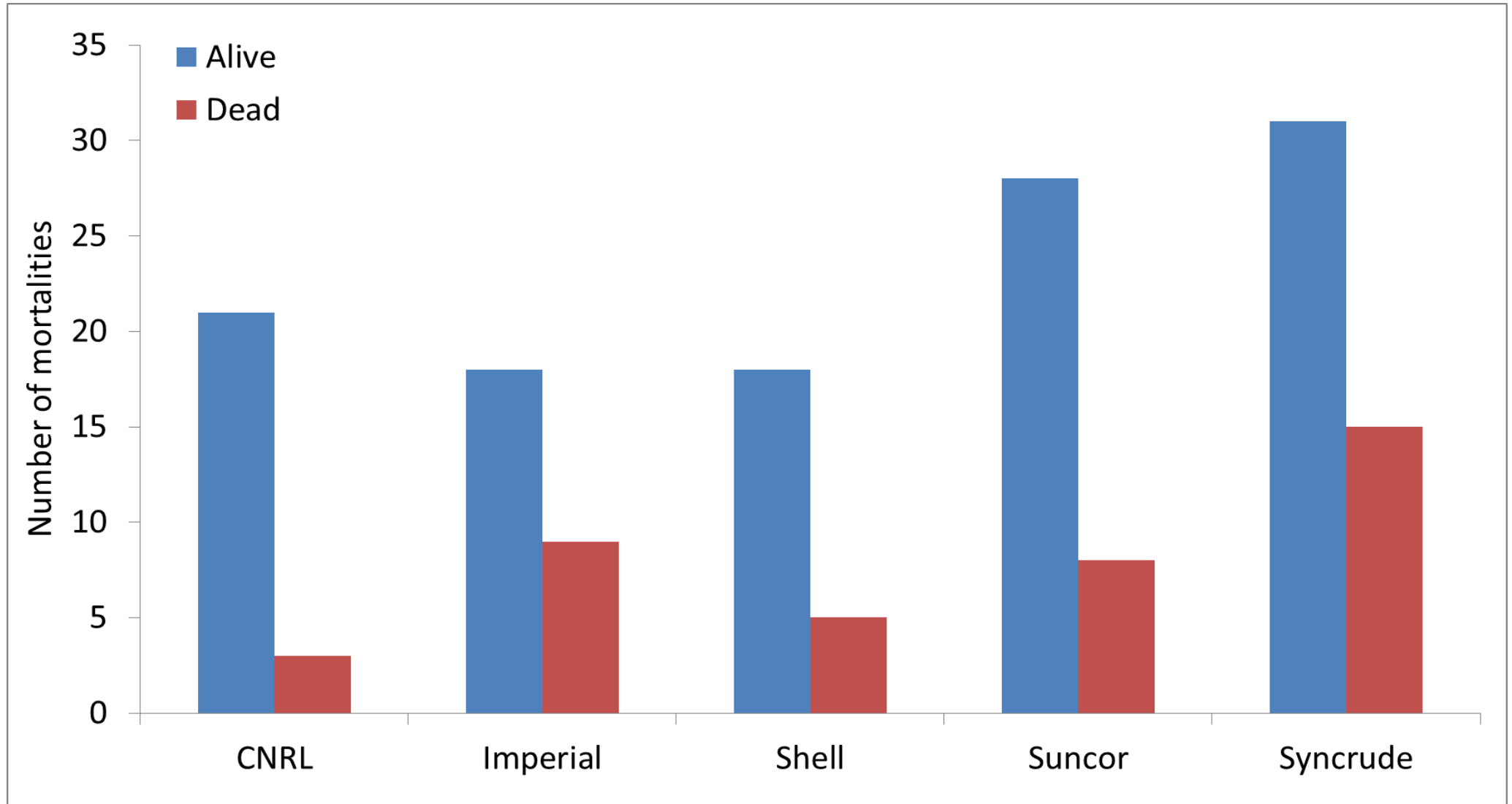


Figure 13 Number of mortalities of oiled birds and non-oiled target birds found incidentally vs. during mortality searches

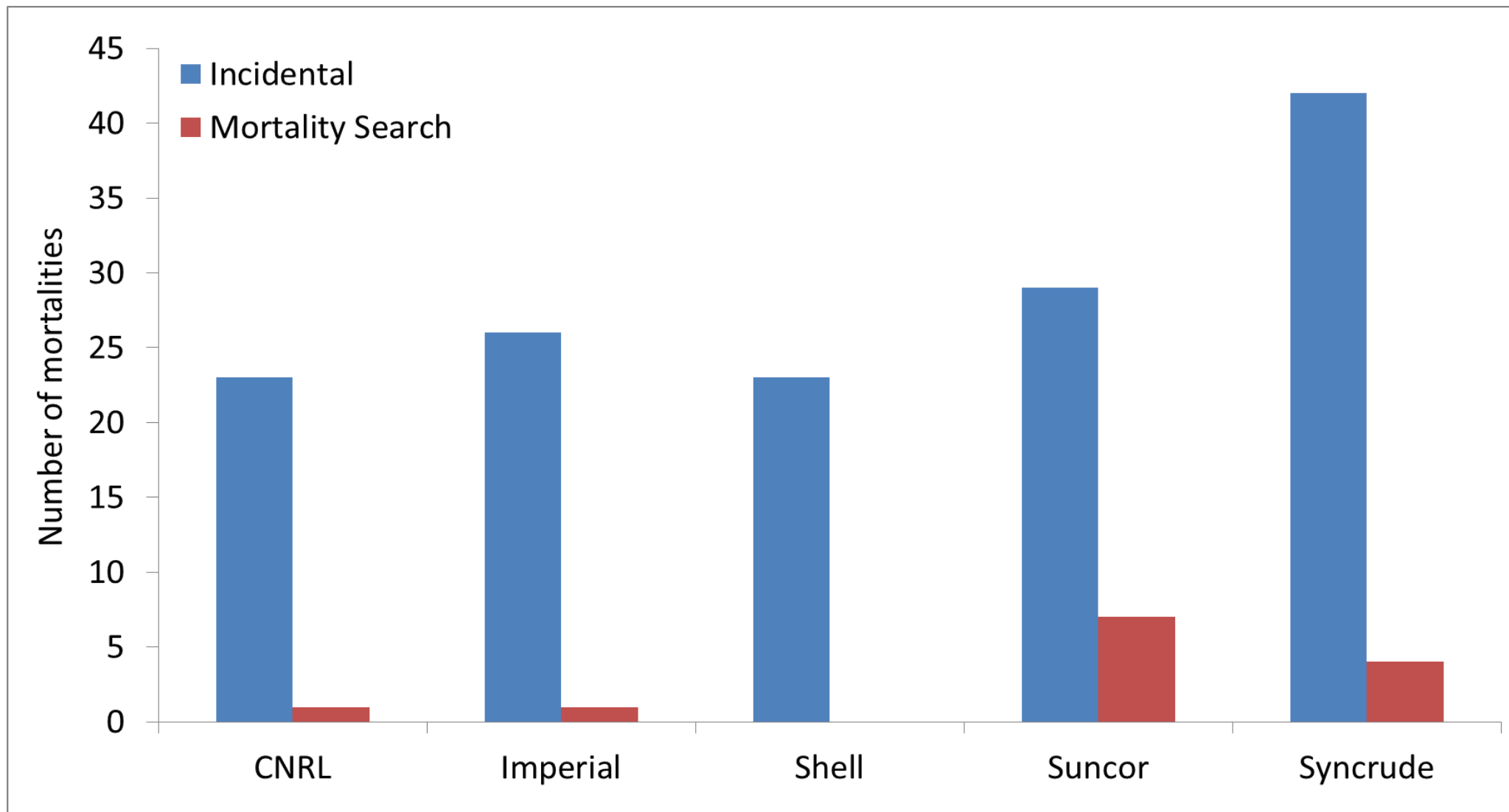


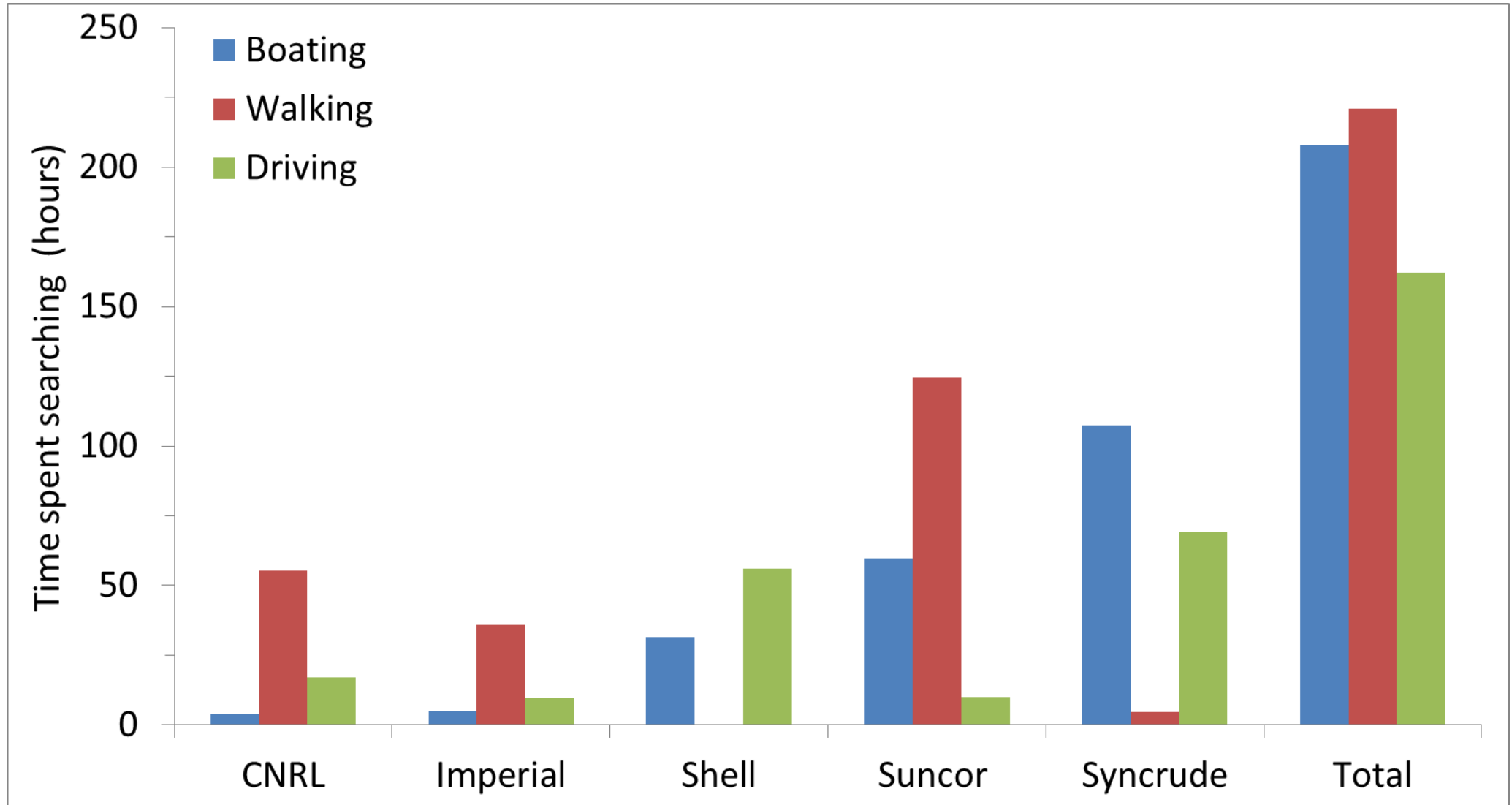
Figure 14 Time spent searching for dead birds using the boating, walking, and driving search methods by operator.

Figure 15 Number of birds found that resulted in mortalities using the boating, walking, and driving search methods by operator.