# San Francisco Bay Secretive Marsh Bird Survey Form

**Observer** (last, first)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Study Area(s)** 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
**Add’l observers**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Transect** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Visit** \_\_\_\_ **Date** (mm-dd-yyyy) \_\_\_\_-\_\_\_\_-\_\_\_\_\_\_

**Protocol** [ ] 2-sp North American Marsh Bird Protocol OR [ ] Other (please describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
***Weather\**** **Wind** \_\_\_\_ mph/kph/Beaufort Code **Temp** \_\_\_\_°F/°C **Sky code** \_\_\_\_ **Noise** \_\_\_\_dbA/dbC/Noise code

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| Map Ref.Code | Point | Start Time (24-hr)-OR-SpeciesCode | Bearing (°) | Distance (m) | Study Area Detected  | Min 1 - passive | Min 2 - passive | Min 3 - passive | Min 4 - passive | Min 5 – passive | Min 6 – BLRA broadcast | Min 7 – RIRA broadcast | Min 8 - passive | Min 9 - passive | Min 10 - passive | Playback Halted? (Y/N) | Outside Study Area? (Y/N) | Outside Time? (Y/N) | Duplicate Bird?\* (Y/N) | Comment Number |
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 **Comments/Predators and predator events:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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| **Study Areas 1,2,3:** See Protocol pg. 31-32 for a list of additional accepted Study Areas. Detections from these study areas are entered as OutsideSite=”N.” Detections in other areas not listed are OutsideSite=”Y.” |
| **\*Duplicate Bird:** **Y** if bird is counted as unique from another point; **N** if bird is counted as unique to the point. |
| **Weather Codes:** |
| ***Wind speed Beaufort codes:*****0** Calm, smoke rises vertically, water surface smooth and mirror-like (<1 mph)**1** Light air: Smoke indicates direction, scaly ripples on water with no foam crests (1-3 mph)**2** Light breeze: Wind felt on face, leaves rustle, small wavelets, crests glassy, no waves breaking (4-7 mph)**3** Gentle breeze: Leaves, twigs in constant motion, large wavelets, crests begin to break, scattered whitecaps (8-12 mph)**4** Moderate breeze: Small branches moving, raises dust, small waves 1-4 ft, numerous whitecaps (13-18 mph) **Stop survey when winds average >10 mph or gusts reach 15 mph** |
| ***Sky codes:*** **0** clear or a few clouds **1** partly cloudy or variable sky **2** cloudy or overcast **4** fog or smoke **5** drizzle **6** rain **8** showers |
| ***Noise codes:*** **0** No noise (<40 dB)**1** Faint noise (40-45 dB)**2** Moderate noise (probably can't hear some birds beyond 100m, 45-50 dB)**3** Loud noise (probably can't hear some birds beyond 50m, 50-60 dB)**4** Intense noise (probably can't hear some birds beyond 25m, >60 dB) |
| **All SpeciesV** visual**Ridgway’s Rail (RIRA):C**= clatter**K**= kek**B**= kek-burr**KH**= kek-hurrah**SK**= squawk**P**= purr**CH**= churr | **Black Rail (BLRA):****KKD**= ki-ki-doo**GR**= grrr**CHT**= churt**TCH** = tch (laugh)**PE**=peep | **Virginia Rail (VIRA):****G**= grunt**T** = tick-it**KI**= kicker**KIU**= kiu/squawk**KK**= kikik | **Sora (SORA):****WH**= whinny**PW**= per-weep**KEE**= keep | **American Bittern (AMBI):****PL**= pump-er-lunk**CP**= chu-peep**KO**= kok | **Least Bittern (LEBI):****COO**= coo**KAK**= kak**ERT**= ert | **Yellow Rail (YERA):****CC**= click-click**CA**= cackle**WHZ**= wheeze |