2019 Helena Valley Curlew Data Form

\*Please remember to FILL OUT ALL OF THE DATA AT EACH STOP, MARK STOPS and CURLEWS on the ROAD MAP, and please NOTE SANDHILL CRANES in the check-box at each stop.

Survey date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Route Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Observer 1 name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Email/phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Observer 2 name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Obser. 3 name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

General Location of survey:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Weather conditions at start and end of survey (temp, cloud cover, wind- please note if there was heavy rain the night before):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***NOTE: if you locate Curlews*** *between points or before/after the 5 minute count, please add to the closest point and add comments.*

 **STOP 1:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 2:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 3:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 4:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 5:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_
**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 6:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_
**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 7:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_
**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 8:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_
**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 9:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 10:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 11:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 12:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 13:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 14:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?

**STOP 15:** start time: \_\_\_\_\_\_\_\_ Marked map: yes no. Lat: \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_ long - \_\_ \_\_ \_\_ . \_\_ \_\_ \_\_ \_\_ \_\_Way point?\_\_\_\_\_

**Curlews: NO YES** (circle one). If yes, NOTE: # of curlews, distance to individual or group and general direction from your location. Note on map. Note how detected: V= visual, C = call, F = flyover; and main habitat: R=range, C=crop, S=sagebrush, O=other.

If YES, **Count Quality (disturbance etc.)**: Excellent Medium Low (circle one). Sand Hill Cranes – Y/N? Number?