

2.22-01

BALD EAGLE OBSERVATION DATA SHEET

Pg 1 of 2 Data Entered: Reservoir surface elevation 786m.
 Date: 2/22/17 Time Start: 0630 End: 1315 Territory: Pyramid Lake Nest Stage: UM
 Observer Location: Pyramid Lake Observers: TD EC Temperature (x10°): 30°F
 Weather: (Clear / Partly Cloudy) Overcast / Rain/ Snow) Wind: (Calm / Slight Breeze) (Breezy) / Windy)

| Eagle/Osprey | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|----------------------|----------------------|-----------------|------------------------------|----------|-------------|-----------|---------|
| Time start | 0645 | 0655 | 0817 | 083A | 0917 | 1030 | 1106 | 1106 |
| Species/Age/Sex | BAEA/A | BAEA/A | BAEA/SYA | BAEA/A | BAEA/A | BAEA/A | CACOA | OSPR |
| Number | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 |
| General Location | FWY | FWY | 6 | 5 | 3 | Rock/Pt | pt | 8 |
| UTM northing | 3834634.7 | 3835270.7 | 3836265.4 | | →1 | upper coast | 3837591.5 | →1 |
| UTM easting | 33721.5 | 337279.6 | 338120.1 | | →1 | see pt 2 | 337393.5 | →1 |
| Activity | FLISE towards dam | PE upper rodst | FL/ PE | PE/FL [same obs. as 3] | PE →1 | PE | FL S | FL N |
| Perch type | N/A | conifer | Rock | Rock | Rock | conifer | — | — |
| Dist from H2O(m) | 450 | 200 | 140-150* 250 | 150 | 150 | 200 | 100-200 | 50-200 |
| Habitat | CH | CH | ow/CH | CH | CH | CH | ow | ow |
| Time End | 0646 | 0700 | 0837 | 0902 | 0938 | 1048 | 1112 | 1112 |

CH =
Chaparral
ow =
over water

| Forage | 1F | 2F | 3F | 4F | 5F | 6F | 7F | 8F |
|------------------|----|----|----|----|----|----|----|----|
| General Location | | | | | | | | |
| UTM northing | | | | | | | | |
| UTM easting | | | | | | | | |
| Time | | | | | | | | |
| # Attempts | | | | | | | | |
| Attack mode | | | | | | | | |
| Dist. from perch | | | | | | | | |
| Dist. from shore | | | | | | | | |
| Success? | | | | | | | | |
| Prey species | | | | | | | | |
| Prey remains? | | | | | | | | |
| Prey size (mm) | | | | | | | | |
| Prey status | | | | | | | | |
| Aquatic Habitat | | | | | | | | |

| Public user # | 1P | 2P | 3P | 4P | 5P | 6P | 7P | 8P |
|--------------------|----|----|----|----|----|----|----|----|
| Time | | | | | | | | |
| Type | | | | | | | | |
| Number | | | | | | | | |
| Location | | | | | | | | |
| Shore dist. (m) | | | | | | | | |
| Eagle response | | | | | | | | |
| Dist. to eagle (m) | | | | | | | | |

Comments on back; plot map points by observation, forage, or public user # (e.g., 1, 1F, 1P).

2/22/18 Pyramid Lake pg 1 of 2

0645: 1 A BAEA flew SE towards dam

0630-0730 morning roost survey:

0655: 1 A BAEA spotted @ Roost Loc
in conifer (upper)0748- leave dock @ Fwy overlock
(Vista del Lago)

0800-0815 @ BAEA Roost Loc, no BAEA

0817-0837 @ survey pt 6: 1 A BAEA, 1 2y BAEA

flew w. together (~100m high) along shoreline.

A perch on rock/cliff, 2y flew up Paiute CK + OOS (out of sight).

0838-0902 @ pt 5: A BAEA, same as pt 6. circled + re-perched same perch, preens.

250 m from shoreline direction BAEA was facing
technically shortest dist. to water = 150 m.0917-0938 @ pt 3: A BAEA same as pt 6+5, same perch.
Flew S/W into hillside + OOS after we left pt 3.

0944-1004 @ pt 4, No BAEA or other special status raptors

1008-1030 @ Paiute CK: No BAEA >

1034-1054 @ pt 7: 1 A BAEA in upper roost Loc.

1056-1115 @ pt 8: 1 OSPR; flew from thermal area to Vista del Lago
then to dam, then back N
visitor cent2 A Condors: from thermal in N (soaring), then high glide to S (dam)
too high/far, could not see patagial tags

BALD EAGLE OBSERVATION DATA SHEET

Pg 2 of 2 Data Entered: _____ Reservoir surface elevation 786m
 Date: 2/22/16 Time Start: 0630 End: 1315 Territory: Pyramid Lake Nest Stage: unk
 Observer Location: Pyramid Lake Observers: TD EC Temperature (x10°): _____
 Weather: (Clear / Partly Cloudy / Overcast / Rain / Snow) Wind: (Calm / Slight Breeze / Breezy / Windy)

| Eagle/Osprey | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|--------------|---------------------|---|---|---|---|---|---|
| Time start | 1158 | 1222 | | | | | | |
| Species/Age/Sex | OSPR | BAEVA | | | | | | |
| Number | 1 | 1 | | | | | | |
| General Location | pt 9 | pt 11 / upper roost | | | | | | |
| UTM northing | 3837619.5 | upper roost | | | | | | |
| UTM easting | 337393.5 | see pt 2 | | | | | | |
| Activity | FL SE (down) | PE | | | | | | |
| Perch type | — | conifer | | | | | | |
| Dist from H2O(m) | 50-75 | 200 | | | | | | |
| Habitat | CW | CH | | | | | | |
| Time End | 1202 | 1248 | | | | | | |

| Forage | 1F | 2F | 3F | 4F | 5F | 6F | 7F | 8F |
|------------------|----|----|----|----|----|----|----|----|
| General Location | | | | | | | | |
| UTM northing | | | | | | | | |
| UTM easting | | | | | | | | |
| Time | | | | | | | | |
| # Attempts | | | | | | | | |
| Attack mode | | | | | | | | |
| Dist. from perch | | | | | | | | |
| Dist. from shore | | | | | | | | |
| Success? | | | | | | | | |
| Prey species | | | | | | | | |
| Prey remains? | | | | | | | | |
| Prey size (mm) | | | | | | | | |
| Prey status | | | | | | | | |
| Aquatic Habitat | | | | | | | | |

| Public user # | 1P | 2P | 3P | 4P | 5P | 6P | 7P | 8P |
|--------------------|-------------------------------|----|----|----|----|----|----|----|
| Time | 1230 | | | | | | | |
| Type | boater (5mpr) (angler/angler) | | | | | | | |
| Number | 1 | | | | | | | |
| Location | Roost/pt 11 | | | | | | | |
| Shore dist. (m) | 100 | | | | | | | |
| Eagle response | None | | | | | | | |
| Dist. to eagle (m) | 300 | | | | | | | |

Comments on back; plot map points by observation, forage, or public user # (e.g., 1, 1F, 1P).

2/22/18 Pyramid Lake pg Lot 2

1140-1200 @ pt 9: 1 OSPR flew SE to dam from condor loc
 & RTHA talon-dangling + chase near condor loc

1202-1218 @ pt 10: No BAEA or special status raptors

1220-1248 @ pt 11: 1 BAEA A in upper roost loc
 beater near roost, no response
 TUVU nest (scaupe) @ UTMN: 3836859.6
 UTME: 337567.3

1248-1315 @ pts 2+1: No BAEA or other
 special status spp

BALD EAGLE OBSERVATION DATA SHEET

Pg 1 of 1 Data Entered: _____ Reservoir surface elevation 786m
 Date: 2/24/18 Time Start: 1534 End: 1745 Territory: Pyramid Lake Nest Stage: unk
 Observer Location: Pyramid Lake Observers: TD EC Temperature (x10°): 50
 Weather: (Clear / Partly Cloudy / Overcast / Rain / Snow) Wind: (Calm / Slight Breeze / Breezy / Windy)

| Eagle/Osprey | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|------------------------------------|------------|---|---|---|---|---|---|
| Time start | 1715 | 1730 | | | | | | |
| Species/Age/Sex | BAEA/A | OSD2 | | | | | | |
| Number | 2 | 1 | | | | | | |
| General Location | Roost | Overlook | | | | | | |
| UTM northing | 38353925* | 38365373.7 | | | | | | |
| UTM easting | 337236.7* | 338046.0 | | | | | | |
| Activity | PE ^{1FLW} to 2nd PE | FL/FO | | | | | | |
| Perch type | conifer | / | | | | | | |
| Dist from H2O(m) | 150-250 | 0-100 | | | | | | |
| Habitat | CH | OW | | | | | | |
| Time End | 1745 | 1731 | | | | | | |

* lower roost site. for 2nd roost site see back

| Forage | 1F | 2F | 3F | 4F | 5F | 6F | 7F | 8F |
|------------------|----|---------------|----|----|----|----|----|----|
| General Location | | overlook | | | | | | |
| UTM northing | | see | | | | | | |
| UTM easting | | above | | | | | | |
| Time | | 1730 | | | | | | |
| # Attempts | | 1 | | | | | | |
| Attack mode | | active forage | | | | | | |
| Dist. from perch | | / | | | | | | |
| Dist. from shore | | 80m | | | | | | |
| Success? | | Y | | | | | | |
| Prey species | | unk fish | | | | | | |
| Prey remains? | | N | | | | | | |
| Prey size (mm) | | unk | | | | | | |
| Prey status | | unk | | | | | | |
| Aquatic Habitat | | Lake | | | | | | |

| Public user # | 1P | 2P | 3P | 4P | 5P | 6P | 7P | 8P |
|--------------------|----|----|----|----|----|----|----|----|
| Time | | | | | | | | |
| Type | | | | | | | | |
| Number | | | | | | | | |
| Location | | | | | | | | |
| Shore dist. (m) | | | | | | | | |
| Eagle response | | | | | | | | |
| Dist. to eagle (m) | | | | | | | | |

Comments on back; plot map points by observation, forage, or public user # (e.g., 1, 1F, 1P).

2.22-02

Pyramid Lake 2/22/18 Pg 1 of 1 (Evening)

1534 - 1745 @ fwy overlook: hazy conditions - could not...
(Vista del Lago) clearly see roost loc, until
after sunset @ 1710

1715: 1 A BAEA @ lower roost location in conifer
1 A BAEA flew into snag below lower roost,
then SW to 2nd roost! UTMN: 3835348.6
VTME: 337467.9

0731: OSPR forage/success near swim area, quickly
flew SE and disappeared behind hill

BALD EAGLE OBSERVATION DATA SHEET

Pg 1 of 1 Data Entered: _____ Reservoir surface elevation 1017m
 Date: 2/22/18 Time Start: 1400 End: 1532 Territory: Quail Lake Nest Stage: VN R
 Observer Location: Quail Lake Observers: TD EC Temperature (x10°): 50s
 Weather: (Clear / Partly Cloudy / Overcast / Rain / Snow) Wind: (Calm / Slight Breeze / Breezy / Windy)

| Eagle/Osprey | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|--------------|----------------------------|---|---|---|---|---|---|
| Time start | 1400 | 1441 | | | | | | |
| Species/Age/Sex | BAEA/A | BAEA/A | | | | | | |
| Number | 1 | 1 | | | | | | |
| General Location | SR138/cliff | SLRd / bar | | | | | | |
| UTM northing | 38491833 | 3848900.6 | | | | | | |
| UTM easting | 340497.8 | 340777.6 | | | | | | |
| Activity | PE | PE / FLW(1532) | | | | | | |
| Perch type | island cliff | manmade sandbar / in water | | | | | | |
| Dist from H2O(m) | 20 | 1 | | | | | | |
| Habitat | CH | Gravel / SW | | | | | | |
| Time End | 1405 | 1532 | | | | | | |

| Forage | 1F | 2F | 3F | 4F | 5F | 6F | 7F | 8F |
|------------------|----|----|----|----|----|----|----|----|
| General Location | | | | | | | | |
| UTM northing | | | | | | | | |
| UTM easting | | | | | | | | |
| Time | | | | | | | | |
| # Attempts | | | | | | | | |
| Attack mode | | | | | | | | |
| Dist. from perch | | | | | | | | |
| Dist. from shore | | | | | | | | |
| Success? | | | | | | | | |
| Prey species | | | | | | | | |
| Prey remains? | | | | | | | | |
| Prey size (mm) | | | | | | | | |
| Prey status | | | | | | | | |
| Aquatic Habitat | | | | | | | | |

| Public user # | 1P | 2P | 3P | 4P | 5P | 6P | 7P | 8P |
|--------------------|----|----|----|----|----|----|----|----|
| Time | | | | | | | | |
| Type | | | | | | | | |
| Number | | | | | | | | |
| Location | | | | | | | | |
| Shore dist. (m) | | | | | | | | |
| Eagle response | | | | | | | | |
| Dist. to eagle (m) | | | | | | | | |

Comments on back; plot map points by observation, forage, or public user # (e.g., 1, 1F, 1P).

2/22/18 Quail Lake pg 1 of 1

PBGR
LESC
AMCO
CARA
BUFF
RUDU
DCCO
WFSW
KILL

- (at of sight)
- 14:00 - BAEA A(1) on cliff flew 14:05 oas
viewed from SR 138
- 14:19 - Quail Lake Rd, 14:41 ABAEA on manmade sandbar near H2O
- 15:12 - SR 138 → ABAEA standing near bar in water, confirmed
poxy eagle; individual identified
by eye irritation/disfiguration
- 15:35 - BAEA Flew S/E, left site

2.23-01

BALD EAGLE OBSERVATION DATA SHEET

Pg 1 of 1 Data Entered: _____ Reservoir surface elevation 1017m
 Date: 2/23/18 Time Start: 0640 End: 1228 Territory: Quail Lake Nest Stage: unk
 Observer Location: Quail Lake Observers: TDEC Temperature (x10°): 30x
 Weather: (Clear / Partly Cloudy / Overcast / Rain / Snow) Wind: (Calm / Slight Breeze / Breezy / Windy)

| Eagle/Osprey | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|-----------------|---------------|-------------------|---|---|---|---|---|
| Time start | 0640 | 1015 | 1104 | | | | | |
| Species/Age/Sex | BAEA/A | BAEA | BAEA/A | | | | | |
| Number | 1 | 1 | 1 | | | | | |
| General Location | island/bar | roost | island/roost | | | | | |
| UTM northing | 3848900* | 38491.2 | 3849183.5* | | | | | |
| UTM easting | 340271.6 | 339904 | 340497.8 | | | | | |
| Activity | PG → FL → PL | PE | PE/FL/FO (NE) | | | | | |
| Perch type | ground/bar | cottonwood | island/cottonwood | | | | | |
| Dist from H2O(m) | 0-15 | 10 | 1-700 | | | | | |
| Habitat | CH/ow/gravel/ri | CH same as #1 | CH | | | | | |
| Time End | 0920 | 1020 | 1224 | | | | | |

*bar UTM's

** island UTM's

| Forage | 1F | 2F | 3F | 4F | 5F | 6F | 7F | 8F |
|------------------|-------------------|----|----------------|----|----|----|----|----|
| General Location | SR138 | | bar | | | | | |
| UTM northing | 3848750.8 | | see above | | | | | |
| UTM easting | 339321.4 | | #1 | | | | | |
| Time | 0900 | | 1211 | | | | | |
| # Attempts | — | | 1 | | | | | |
| Attack mode | scavenge presumed | | active forage | | | | | |
| Dist. from perch | 965 m | | N/A-scavenging | | | | | |
| Dist. from shore | 300m (inland) | | 0-25 | | | | | |
| Success? | ✓-crop | | N | | | | | |
| Prey species | unk | | AM (o? (unk)) | | | | | |
| Prey remains? | unk | | N | | | | | |
| Prey size (mm) | unk | | N | | | | | |
| Prey status | unk | | N | | | | | |
| Aquatic Habitat | No | | Lake | | | | | |

| Public user # | 1P | 2P | 3P | 4P | 5P | 6P | 7P | 8P |
|--------------------|----|----|----|----|----|----|----|----|
| Time | | | | | | | | |
| Type | | | | | | | | |
| Number | | | | | | | | |
| Location | | | | | | | | |
| Shore dist. (m) | | | | | | | | |
| Eagle response | | | | | | | | |
| Dist. to eagle (m) | | | | | | | | |

Comments on back; plot map points by observation, forage, or public user # (e.g., 1, 1F, 1P).

Quail Lake 2/23/18

- 0640 e SR138: 1 ABAEA on island
- 0645 flew to bar
- 0647 @ Quail Lake Parking Lot: BAEA still on bar
- 0700 flew / OOS (unk)
- 0717 @ Quail Lake trail: BAEA on cottonwood roost
- 0723 flew / OOS (unk)
- 0729 flew back to Roost from W, no prey in talons
- 0855 @ Parking Lot: BAEA still on Roost
- 0900 flew to cottonwood grove @ SR138
many AMCR in area - likely carcass but cannot confirm private property
0913. flew from grove to NE (far)
circled back to Quail Lake, then flew SE OOS
- 1015 @ SR138; BAEA in Roost Loc
- 1104 BAEA on island
- 1143 flew up/over ridge to NE + OOS
- 1147 BAEA flew into roost
- 1207 Soared over lake
- 1211 forage (steep → miss) prey = waterfowl?
not seen
- 1224 Soared far to W, then NE, then back to Roost

Figure 3. Golden Eagle Occupancy and Reproduction Assessment Nest Form.

GOLDEN EAGLE OCCUPANCY AND REPRODUCTION ASSESSMENT NEST FORM

Date: 2/23/18 Time: 0640 to 1228 Breeding Area: Quail Lake

Observers: TD EC Percent Cloud Cover: 100% Temperature (°C) 30

Wind Speed (KPH): 8-40 Wind Direction: W Precipitation: Rain Hail Snow Sleet None

NEST VISIT DATA

Number of Adults Observed: 0 1 2 3 4 Any Subadult Pair Member(s)? Unknown No Yes Male Female
Behavior of Adults: Nest Building Soaring Undulating Copulating Perching Hunting Incubating Brooding
Breeding Area Status: Unknown Unoccupied Occupied Occupied-1 Active Failed Successful
Number of Eggs in Nest: Unknown 0 1 2 3 4 If Failed, Last Date Observed Active:
Number of Young in, or Fledglings near Nest: Unknown 0 1 2 3 4 Estimated Age of Young (weeks):
Nest ID: UTM Easting: Northing: Nest Aspect (360°):

ALTERNATE NEST DATA

Any Known Nests Collapsed? Yes No Nest ID(s): Any New Nests Located? Yes No
New Nest ID: Easting: Northing: Nest Aspect (360°):
New Nest ID: Easting: Northing: Nest Aspect (360°):
New Nest ID: Easting: Northing: Nest Aspect (360°):
New Nest ID: Easting: Northing: Nest Aspect (360°):

HABITAT CONDITIONS

Grazing Level: None Low Moderate Heavy Livestock Type: Cattle Horses Sheep Goats Other:
Agriculture: None Low Moderate Heavy Crop Type:
Recreation: None Low Moderate Heavy Type: ATV - OHV Hiking Rock Climbing Hunting Shooting
trail around lake

NOTES

NO GOEA observed