

SF Bay Ospreys: Rosie and Richmond

www.sfbayospreys.org

Red = needs to be verified or updated, Purple = female

2022-0621 v31

|  | 2017                  |                       |                                  | 2018                  |                       |                       | Days gone: | 2019                   |                        |                        | Days gone: | 2020                       |                        |                        | Days gone: | 2021                     |                        |                          | Days gone: | 2022                  |                       |                       | Days gone: | Rosie returns                             |                  |
|--|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|------------|------------------------|------------------------|------------------------|------------|----------------------------|------------------------|------------------------|------------|--------------------------|------------------------|--------------------------|------------|-----------------------|-----------------------|-----------------------|------------|---|------------------|
| Rosie returns                              | 3/5/17 11:50          |                       |                                  | 3/2/18 16:19          |                       |                       | 164d 10h   | 2/23/19 14:20          |                        |                        | 162d       | 3/5/20 7:16                |                        |                        | 161d       | 2/18/21 16:39            |                        |                          | 154d       | 3/7/22 9:32           |                       |                       | 177d 16h   |   |                  |
| Days b/w first mating / egg laid           |                       |                       |                                  |                       |                       |                       |            | 23                     |                        |                        |            | 24                         |                        |                        |            | 26                       |                        |                          |            |                       |                       |                       |            | Days b/w first mating / egg laid          |                  |
| Egg laid date                              | 4/1/17                | 4/4/17                | 4/7/17                           | 3/31/18               | 4/3/18                | 4/6/18 20:00          |            | 3/31/19                | 4/3/19                 | 4/6/19                 |            | 3/30/20                    | 4/2/20                 | 4/5/20                 |            | 3/24/21                  | 3/27/21                | 3/30/21                  |            | 4/5/22                | 4/8/22                | 4/11/22               |            | Egg laid date                             |                  |
| Egg laid time                              | 20:06                 | 16:47                 | Power out *                      | 20:00                 | 17:38                 | Power out \$          |            | 16:12                  | 14:21                  | 12:11                  |            | 14:37                      | 14:06                  | 15:07                  |            | 19:12                    | 18:00                  | 19:29                    |            | 18:01                 | 16:56                 | 20:42                 |            | Egg laid time                             |                  |
| Time between egg lays                      |                       | 68h 41m               |                                  |                       | 69h 38m               |                       |            |                        | 70h 9m                 | 69h 50m                |            |                            | 71h 29m                | 73h 1m                 |            |                          | 70h 48m                | 73h 30m                  |            |                       | 70h 55m               | 75h 46m               |            | Time between egg lays                     |                  |
| Video                                      | <a href="#">Click</a> | <a href="#">Click</a> | <a href="#">Click</a>            | <a href="#">Click</a> | <a href="#">Click</a> | No, power out         |            | <a href="#">Click</a>  | <a href="#">Click</a>  | <a href="#">Click</a>  |            | <a href="#">Click</a>      | <a href="#">Click</a>  | <a href="#">Click</a>  |            | <a href="#">Click</a>    | <a href="#">Click</a>  | <a href="#">Click</a>    |            | <a href="#">Click</a> | <a href="#">Click</a> | <a href="#">Click</a> |            | Video                                     |                  |
| Days of incubation                         |                       | 37d 16h               | 37d 1h                           | 38d 12h               | 37d 0h                | 35d 20h               |            | 38d 3h                 | 36d 4h                 | 35d 22h                |            | 38d 15h                    | 36d 10h                | 35d 18h                |            | 38d 2h                   | 36d 13h                | 35d 21h                  |            |                       | 37d 23h               | 36d 20h               |            | Days of incubation                        |                  |
| Pip first seen                             |                       | 5/12/17 4:23          | 5/14/17 14:08                    |                       |                       |                       |            |                        |                        | 5/11/20 21:00          |            | 5/6/20 20:40               | 5/8/20 18:11           | 5/9/20 20:07           |            | 4/30/21 17:43            | 5/2/21 18:00           | 5/4/21 15:11             |            |                       | 5/16/22               | 5/18/22               |            | Pip first seen                            |                  |
| Pip to hatch                               |                       | 4h 39m                | 2h 54m                           |                       |                       |                       |            |                        |                        | 13 h 10 m              |            | 33 h 20 m                  | 6 h 51 m               | 37 h 19 m              |            | 27h 16m                  | 13h 13m                | 25h 44m                  |            |                       | 22h 10m               | 6h 1m                 |            | Pip to hatch                              |                  |
| Egg hatched date                           | Egg removed           | 5/12/17 9:02          | 5/14/17 11:14                    | 5/9/18 8:24           | 5/10/18 17:26         | 5/12/18 15:49         |            | 5/8/19 18:57           | 5/9/19 17:59           | 5/12/19 10:10          |            | 5/8/20 6:06                | 5/9/20 0:32            | 5/11/20 9:26           |            | 5/1/21 20:59             | 5/3/21 7:13            | 5/5/21 16:55             |            | DID NOT HATCH         | 5/17/22 15:53         | 5/18/22 16:35         |            | Egg hatched date                          |                  |
| Egg hatched time                           | 5/1/17 8:39           |                       |                                  |                       |                       |                       |            |                        |                        |                        |            |                            |                        |                        |            |                          |                        |                          |            |                       |                       |                       |            |   | Egg hatched time |
| Video                                      | <a href="#">Click</a> | <a href="#">Click</a> | <a href="#">Click</a>            | <a href="#">Click</a> | <a href="#">Click</a> | <a href="#">Click</a> |            | <a href="#">Click</a>  | <a href="#">Click</a>  | <a href="#">Click</a>  |            | <a href="#">Short Long</a> | <a href="#">Click</a>  | <a href="#">Click</a>  |            | <a href="#">Click</a>    | <a href="#">Click</a>  | <a href="#">Click</a>    |            |                       | <a href="#">Click</a> | <a href="#">Click</a> |            | Video                                     |                  |
| First meal date (depends on fish delivery) |                       | 5/12/17               |                                  |                       |                       |                       |            | 5/9/19                 | 5/9/19                 | 5/12/19                |            | 5/8/20                     | 5/9/20                 | 5/11/20                |            | 5/2/21                   | 5/3/21                 | 5/5/21                   |            |                       | 5/18/22               | 5/18/22               |            | First meal date                           |                  |
| First meal time                            |                       | 12:30                 |                                  |                       |                       |                       |            | 10:43                  | 20:02                  | 12:04                  |            | 9:23                       | 8:03                   | 16:23                  |            | 10:34                    | 8:40                   | 19:07                    |            |                       | 8:53                  | 19:33                 |            | First meal time                           |                  |
| First meal since hatch                     |                       | 3h 28m                |                                  |                       |                       |                       |            | 15h 46m                | 2h 3m                  | 1h 54m                 |            | 3h 17m                     | 7h 31m                 | 6h 57m                 |            | 13h 35m                  | 1h 27m                 | 2h 12m                   |            |                       | 17h 0m                | 2h 58m                |            | First meal since hatch                    |                  |
| Designation                                |                       | RR1                   | RR2                              | RR3                   | RR4                   | RR5                   |            | RR6                    | RR7                    | RR8                    |            | RR9                        | RR10                   | RR11                   |            | RR12                     | RR13                   | RR14                     |            |                       | RR15                  | RR16                  |            | Designation                               |                  |
| Nickname                                   |                       |                       |                                  | Eggroll               | Mochi                 | Wibby                 |            | Alpha                  | Beta                   | Gamma                  |            | Uno                        | Dos                    | Tres                   |            |                          |                        |                          |            |                       | A                     | B                     |            | Nickname                                  |                  |
| Final name                                 |                       | <b>Whirley</b>        | <b>Rivet</b>                     | <b>Roemer</b>         | <b>Victory</b>        | <b>Brisa</b>          |            | <b>Peace-up</b>        | <b>Kiskasit</b>        |                        |            | <b>Lassen</b>              | <b>Shasta</b>          | <b>Tam</b>             |            | <b>Poppy</b>             | <b>Sage</b>            | <b>Lupine</b>            |            |                       | <b>Brooks</b>         | <b>Molate</b>         |            | Final name                                |                  |
| Banding date                               |                       | 6/16/17               | 6/16/17                          | 6/21/18               | 6/21/18               | 6/21/18               |            | 6/15/19                | 6/15/19                |                        |            | 6/14/20                    | 6/14/20                | 6/14/20                |            | 6/5/21                   | 6/5/21                 | 6/5/21                   |            |                       | 6/18/22               | 6/18/22               |            | Banding date                              |                  |
| Banded leg (blue band)                     |                       | Left                  | Left                             | Right                 | Right                 | Right                 |            | Left                   | Left                   |                        |            | Left                       | Left                   | Left                   |            | Left                     | Left                   | Left                     |            |                       | Left                  | Left                  |            | Banded leg (blue band)                    |                  |
| USFWS band ID                              |                       | WB                    | ZR                               | VW                    | VU                    | VV                    |            | WP                     | ZK                     |                        |            | ZD                         | WU                     | XV                     |            | ZP                       | WR                     | VZ                       |            |                       | XA                    | WM                    |            | USFWS band ID                             |                  |
| Weight at banding (g)                      |                       | 1,583                 | 1,618                            | 1,600                 | 1,530                 | 1,876                 |            | 1,495                  | 1,690                  |                        |            | 1,458                      | 1,780                  | 1,412                  |            | 1,344                    | 1,291                  | 1,180                    |            |                       | 1,282                 | 1,245                 |            | Weight at banding (g)                     |                  |
| Possible sex                               |                       | Female                | Female                           | Male                  | Male                  | Female                |            | Male                   | Female                 |                        |            | Male                       | Female                 | Male                   |            | Male Female <sup>1</sup> | Male                   | Male Female <sup>1</sup> |            |                       | Maybe Male            | Maybe Male            |            | Possible sex                              |                  |
| Age at banding (days)                      |                       | 34d 15h               | 32d 13h                          | 42d 16h               | 41d 7h                | 39d 8h                |            | 37d 5h                 | 36d 6h                 |                        |            | 36d 18h                    | 35d 23h                | 33d 15h                |            | 34d 10h                  | 33d 0h                 | 30d 14h                  |            |                       | 31d 16h               | 30d 15h               |            | Age at banding (days)                     |                  |
| Fledge date                                |                       | 7/3/17                | 7/5/17                           | 7/1/18                | 7/1/18                | 7/6/18                |            | 6/30/19                | 7/2/19                 |                        |            | 6/29/20                    | 7/3/20                 | 7/4/20                 |            | 7/1/21                   | 6/26/21                | 7/5/21                   |            |                       |                       |                       |            | Fledge date                               |                  |
| Fledge time                                |                       | ~9 AM                 | 10:42                            | 9:10                  | 11:47                 | 14:38                 |            | 5:48 am/5:21 pm        | 8:03 pm^^              |                        |            | 9:51                       | 5:43                   | 6:52                   |            | 6:29                     | 9:33                   | 6:29                     |            |                       |                       |                       |            | Fledge time                               |                  |
| Videos                                     |                       |                       | <a href="#">Need</a>             | <a href="#">Need</a>  | <a href="#">Need</a>  | <a href="#">Need</a>  |            | <a href="#">Video1</a> | <a href="#">Video2</a> | <a href="#">Video1</a> |            | <a href="#">Click</a>      | <a href="#">Video1</a> | <a href="#">Video2</a> |            | <a href="#">Click</a>    | <a href="#">Click2</a> | <a href="#">Click3</a>   |            |                       |                       |                       |            | Videos                                    |                  |
| Age at fledge (days)                       |                       | 51d 15h               | 51d 23h                          | 52d 16h               | 51d 7h                | 54d 8h                |            | 52d 5h                 | 53d 6h                 |                        |            | 51d 18h                    | 54d 23h                | 53d 21h                |            | 60d 9h                   | 54d 2h                 | 60d 14h                  |            |                       |                       |                       |            | Age at fledge (days)                      |                  |
| Last seen on nest: date                    |                       | 7/4/17                | 8/20/17                          | 8/8/18                | 8/12/18               | 8/7/18                |            | 9/4/19                 | 9/11/19                | 5/16/19                |            | 8/7/20                     | 8/28/20                | 7/5/20                 |            | 8/24/21                  | 7/28/21                | 8/16/21                  |            |                       |                       |                       |            | Last seen on nest: date                   |                  |
| Last seen on nest: time                    |                       | 4:38                  | ~10:30 AM                        | 7:42                  | 9:08                  | 10:32                 |            | 15:00                  | 9:35                   | ~5 AM***               |            | 6:56                       | 14:57                  | 14:28                  |            | 9:56                     | 15:17                  | 19:36                    |            |                       |                       |                       |            | Last seen on nest: time                   |                  |
| Age last seen on nest (days)               |                       | 53                    | 98                               | 91                    | 94                    | 86                    |            | 118                    | 124                    | 4                      |            | 91                         | 112                    | 55                     |            | 115                      | 86                     | 103                      |            |                       |                       |                       |            | Age last seen on nest (days)              |                  |
| Last seen in the area: date                |                       | 7/5/17                | 7/19/19                          |                       |                       | 9/2/18                |            | 10/1/19                | ^^^                    |                        |            |                            |                        | 7/6/20                 |            |                          |                        |                          |            |                       |                       |                       |            | Last seen in the area: date               |                  |
| Last seen in the area: time                |                       | ~2 PM **              | ~5 miles away                    |                       |                       | morning               |            | ^^^                    | ~5 miles away          |                        |            |                            |                        | ~10:30 AM ^^           |            |                          |                        |                          |            |                       |                       |                       |            | Last seen in the area: time               |                  |
| Last seen in the area: where               |                       |                       | Pt. Orient                       |                       |                       | RYC nest              |            | See notes              |                        |                        |            |                            |                        |                        |            |                          |                        |                          |            |                       |                       |                       |            | Last seen in the area: where              |                  |
| Age when last seen (days)                  |                       | 53                    | 98                               | 91                    | 94                    | 112                   |            | 145                    | 124                    | 4                      |            | 91                         | 112                    | 56                     |            | 115                      | 86                     | 103                      |            |                       |                       |                       |            | Age when last seen (days)                 |                  |
| First seen as adult: date                  |                       |                       | 5/16/19                          |                       | 5/9/20                |                       |            |                        |                        |                        |            |                            |                        |                        |            |                          |                        |                          |            |                       |                       |                       |            | First seen as adult: date                 |                  |
| First seen as adult: time                  |                       |                       | 13:49                            |                       | ~ 7 am                |                       |            |                        |                        |                        |            |                            |                        |                        |            |                          |                        |                          |            |                       |                       |                       |            | First seen as adult: time                 |                  |
| First seen as adult: where                 |                       |                       | <a href="#">Need video -&gt;</a> |                       | Nest cam              |                       |            |                        |                        |                        |            |                            |                        |                        |            |                          |                        |                          |            |                       |                       |                       |            | First seen as adult: where                |                  |
| Rosie last seen for season                 |                       | Morning of            | 9/19/17                          |                       | Morning of            | 9/14/18               |            |                        | Morning of             | 9/26/19                |            |                            | Morning of             | 9/17/20                |            |                          | Morning of             | 9/10/21                  |            |                       |                       |                       |            | Rosie last seen for season                |                  |
| How long did Rosie stay?                   |                       |                       | 198d                             |                       |                       | 196d                  |            |                        |                        | 215d                   |            |                            |                        | 196d                   |            |                          |                        | 204d                     |            |                       |                       |                       |            | How long did Rosie stay?                  |                  |
| Days b/w last juv depart & Rosie's depart  |                       | 30                    | <a href="#">Video</a>            |                       | 33                    |                       |            | 15                     |                        |                        |            | 20                         |                        |                        |            | 17                       |                        |                          |            |                       |                       |                       |            | Days b/w last juv depart & Rosie's depart |                  |

Footnotes

- \* Egg laid between 4/6/17 9 pm and 4/7 4 pm, power out due to storm. Calculations based on egg being laid on 4/7/17 at 10 am.
  - § Egg laid between 4/6/18 8 pm and 4/7/18 9 am, power out due to storm. Calculations based on egg being laid on 4/6 at 8 pm.
  - \*\* Euthanized by WildCare on 7/8/17 due to injuries sustained 7/4
  - \*\*\* Died of exposure during unseasonably cold storm
  - ^^ WP Peace-up inadvertently fledged to the crane platform below the nest in the morning, then intentionally flew to the cable in the afternoon
  - ^^ ZK Kiskasit inadvertently fledged to the crane platform, stayed overnight, flew off at 5:51 am (9.8 hr total), spent 6 hrs on the crane, returned to platform at 11:52 am, left platform at 4:25 pm (~4.5 hrs) and finally returned to nest 7/3 at 4:27 pm, ~20.5 hrs between fledge and return to nest
  - † Tony Brake observed an Osprey with two bands, one which read VU, on a piling near Pt San Pablo (~5 mi from nest) with a Striped Bass. See video page for video.
  - ^^^ WP Peace-up fell from a tree 10/1/19 and died shortly after in Corte Madera, CA. No obvious injuries, no known cause of death.
  - †† XV Tam flew from the boom 7/5, was found behind Riggers Loft the morning of 7/6. Surgery by IBR 7/10 for broken leg, ultimately euthanized 7/26 (76 days old) after a rapid decline.
  - 1. ZP Poppy and VZ Lupine were originally thought male due to weight, but DNA testing indicates they are female.
  - 2. WR Sage inadvertently fledged to the west rail on 6/25/21, then intentionally fledged to the boom cable at 9:33 am on 6/26.
  - 3. VZ Lupine inadvertently fledged to the east rail on 7/2/21, then intentionally fledged to the boom cable at 6:29 am on 7/5.
- 2022 Season: Richmond broke the rear talon on his left foot. Potential impacts: fishing ability, CK ability

Average age females leave nest 106d WP  
 Average age males leave nest 92d 20d

Average length Rosie's migration 163d 11h  
 Average date Rosie departs September 17