

**Nesting Data for Violet-green Swallows at Quail Hollow Ranch County Park**  
**Santa Cruz Bird Club Nest Box Project**  
**2002-2022**

| Season | Box  | Nest Start | Egg Start | Clutch Complete | # in Clutch | Hatch Date | Incubation Days | Fledge Date | # of Days* Hatch-Fledge | # Fledged | Unhatched Eggs | Dead Chicks |
|--------|------|------------|-----------|-----------------|-------------|------------|-----------------|-------------|-------------------------|-----------|----------------|-------------|
| 2002   | 20A  | --         | --        | --              | 3           | --         | --              | --          | --                      | 3         | 0              | 0           |
| 2003   | 20A  | 4-May      | --        | --              | 5           | --         | --              | --          | --                      | 3         | 0              | 2           |
| 2004   | 8    | 21-May     | --        | --              | 4           | --         | --              | --          | --                      | 4         | 0              | 0           |
| 2004   | 19A  | 1-May      | --        | --              | 4           | --         | --              | --          | --                      | 4         | 0              | 0           |
| 2004   | 20B  | 9-May      | 23-May    | 26-May          | 4           | --         | --              | --          | --                      | 4         | 0              | 0           |
| 2004   | 23A  | 23-May     | --        | --              | 5           | --         | --              | --          | --                      | 4         | 0              | 1           |
| 2005   | 13B* | 20-May     | 27-May    | 31-May          | 5           | 14-Jun     | 14              | --          | --                      | 5         | 0              | 0           |
| 2005   | 20A  | 24-Apr     | 21-May    | 25-May          | 5           | 7-Jun      | 13              | --          | --                      | 5         | 0              | 0           |
| 2006   | 3    | 1-Jun      | 6/9?      | 6/12?           | 4           | 6/27-6/28  | 14?             | 13-Jul      | 16+?                    | 4         | 0              | 0           |
| 2006   | 20   | 2-May      | 24-May    | 28-May          | 5           | 6/11-6/12  | 14-15*          | 6-Jul       | 22-23*                  | 5         | 0              | 0           |
| 2007   | 8    | 8-May      | 2-Jun     | 5-Jun           | 4           | 21-Jun     | 16              | 12-Jul      | 21-22*                  | 4         | 0              | 0           |
| 2007   | 20   | 26-Apr     | 23-May    | 27-May          | 5           | 10-Jun     | 14              | 2-Jul       | 22                      | 3         | 2              | 0           |
| 2007   | 23B  | 24-May     | 27-May    | 29-May          | 3           | 6/14-6/15  | 16-17*          | 5-Jul       | 20-21*                  | 3         | 0              | 0           |
| 2007   | 3B   | 5-May      | 19-May    | 22-May          | 4           | 6/5-6/6    | 14-15*          | 26-Jun      | 21-22*                  | 3         | NA             | NA          |
| 2008   | 3    | 7-May      | 18-May    | 21-May          | 4           | 4-Jun      | 14              | 28-Jun      | 24                      | 3         | 1              | 0           |
| 2008   | 8    | 4-May      | 21-May    | 24-May          | 4           | 6/7-6/8    | 14-15*          | 3-Jul       | 24-25*                  | 1         | 0              | 3           |
| 2008   | 13   | 27-Apr     | 22-May    | 25-May          | 4           | 9-Jun      | 15              | 5-Jul       | 26                      | 4         | 0              | 0           |
| 2008   | 20   | 13-Apr     | 16-May    | 19-May          | 4           | 6-Jun      | 18              | 22-Jun      | 16-20*                  | 2         | 2              | 0           |
| 2008   | 23A  | 29-Apr     | 21-May    | --              | 4           | NA         | NA              | NA          | NA                      | 0         | 4              | 0           |
| 2008   | 23B  | same nest  | 17-Jun    | 6/18?           | 2           | **         | 3-Jul           | 15?         | 26-Jul                  | 23        | 0              | 0           |
| 2009   | 5    | 6-May      | 20-May    | 24-May          | 5           | 6-Jun      | 13              | 29-Jun      | 23                      | 5         | 0              | 0           |
| 2009   | 13   | 3-May      | 18-May    | 21-May          | 4           | 4-Jun      | 14              | 28-Jun      | 24                      | 4         | 0              | 0           |
| 2009   | 15   | 8-May      | 19-May    | 23-May          | 5           | 5-Jun      | 13              | 28-Jun      | 23                      | 5         | 0              | 0           |
| 2009   | 20   | 6-May      | 16-May    | 19-May          | 4           | 2-Jun      | 14              | 25-Jun      | 23                      | 4         | 0              | 0           |
| 2009   | 22   | 10-May     | 20-May    | 23-May          | 4           | 6-Jun      | 14              | 30-Jun      | 24                      | 4         | 0              | 0           |
| 2009   | 23   | 20-May     | 27-May    | 31-May          | 5           | 14-Jun     | 14              | 9-Jul       | 25                      | 5         | 0              | 0           |
| 2010   | 3    | 2-May      | 18-May    | 22-May          | 5           | 6-Jun      | 15              | 29-Jun      | 23                      | 5         | 0              | 0           |
| 2010   | 5    | 1-May      | 21-May    | 25-May          | 5           | 9-Jun      | 14              | 4-Jul       | 25                      | 5         | 0              | 0           |
| 2010   | 19   | 5-May      | 27-May    | 31-May          | 5           | 18-Jun     | 18              | 7-Jul       | 19-21*                  | 4         | 1              | 0           |
| 2010   | 25   | 19-May     | 26-May    | 29-May          | 4           | 13-Jun     | 15              | 6-Jul       | 23                      | 4         | 0              | 0           |
| 2010   | 11B  | 23-May     | 30-May    | 2-Jun           | 4           | 16-Jun     | 14              | 10-Jul      | 24                      | 4         | 0              | 0           |
| 2010   | 12B  | 22-May     | 30-May    | 3-Jun           | 5           | No hatch   | NA              | NA          | NA                      | NA        | 5              | 0           |
| 2010   | 18B  | 11-May     | 2-Jun     | 5-Jun           | ?           | abandoned  | NA              | NA          | NA                      | NA        | NA             | NA          |
| 2010   | 18C  | 18-Jun     | 23-Jun    | 26-Jun          | 4           | 10-Jul     | 14              | 2-Aug       | 23                      | 4         | 0              | 0           |
| 2011   | 5    | 7-May      | 27-May    | 29-May          | 3           | 15-Jun     | 17              | 9-Jul       | 24                      | 2         | 1              | 0           |
| 2011   | 8    | 5-May      | 12-Jun    | 15-Jun          | 4           | 29-Jun     | 14              | 26-Jul      | 27                      | ?         | 3              | 0           |
| 2011   | 17   | 8-May      | 24-May    | 27-May          | 4           | 12-Jun     | 16              | ?           | ?                       | 1         | 3              | 0           |
| 2011   | 19   | 19-May     | 2-Jun     | 5-Jun           | 4           | 22-Jun     | 17              | ?           | ?                       | 3         | 1              | 0           |
| 2011   | 20B  | 14-Jun     | 16-Jun    | 19-Jun          | 4           | 3-Jul      | 14              | 30-Jul      | 27                      | 4         | 0              | 0           |
| 2011   | 22   | 8-May      | 24-May    | 28-May          | 5           | 11-Jun     | 14              | 6-Jul       | 25                      | 5         | 0              | 0           |
| 2011   | 23   | 15-May     | 28-May    | 1-Jun           | 5           | 15-Jun     | 14              | 9-Jul       | 24                      | 5         | 0              | 0           |
| 2012   | 21   | 6-May      | 22-May    | 26-May          | 5           | 11-Jun     | 16              | 5-Jul       | 24                      | 2         | 3              | 0           |
| 2012   | 22B  | Post 6/25  | NA***     | NA              | NA          | NA         | NA              | NA          | NA                      | NA        | NA             | NA          |
| 2012   | 23   | 10-May     | 1-Jun     | 4-Jun           | 4           | 18-Jun     | 14              | 15-Jul      | 27                      | 4         | 0              | 0           |
| 2012   | 27   | 20-May     | 24-May    | 27-May          | 4           | 11-Jun     | 15              | 4-Jul       | 23                      | 4         | 0              | 0           |

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|--------|-----|------------|-----------|-----------------|-------------|------------|-----------------|-------------|-------------------------|-----------|----------------|-------------|
| 2012   | 30  | 8-May      | 22-May    | 26-May          | 5           | 10-Jun     | 15              | 4-Jul       | 24                      | 5         | 0              | 0           |
| 2013   | 3   | 30-Apr     | 17-May    | 20-May          | 4           | 3-Jun      | 14              | N/A         | NA                      | 0         | 0              | 4           |
| 2013   | 19  | 1-May      | 18-May    | 22-May          | 5           | 6-Jun      | 15              | 3-Jul       | 27                      | 5         | 0              | 0           |
| 2013   | 22  | 13-May     | 24-May    | 26-May          | 3           | 10-Jun     | 15              | 3-Jul       | 23                      | 3         | 0              | 0           |
| 2013   | 33  | 11-May     | 22-May    | 25-May          | 4           | 9-Jun      | 15              | 1-Jul       | 22                      | 4         | 0              | 0           |
| 2013   | 34  | 8-May      | 23-May    | 26-May          | 4           | 10-Jun     | 15              | 4-Jul       | 24                      | 4         | 0              | 0           |
| 2013   | 35  | 8-May      | 19-May    | 23-May          | 5           | 8-Jun      | 16              | 4-Jul       | 26                      | 4         | 0              | 0           |
| 2014   | 25  | 11-May     | 20-May    | 24-May          | 5           | 7-Jun      | 14              | 30-Jun      | 23                      | 5         | 0              | 0           |
| 2014   | 37  | 29-Apr     | 17-May    | 20-May          | 4           | 3-Jun      | 14              | 27-Jun      | 24                      | 4         | 0              | 0           |
| 2015   | 19  | 17-May     | 1-Jun     | 4-Jun           | 4           | 17-Jun     | 13              | 9-Jul       | 22                      | 3         | 1              | 0           |
| 2015   | 20B | 26-May     | 1-Jun     | 4-Jun           | 4           | 17-Jun     | 13              | 13-Jul      | 26                      | 4         | 0              | 0           |
| 2015   | 22  | 8-May      | 22-May    | 26-May          | 5           | 9-Jun      | 14              | 3-Jul       | 25                      | 1         | 4              | 0           |
| 2015   | 24  | 10-May     | 19-May    | 22-May          | 4           | 6-Jun      | 15              | 29-Jun      | 23                      | 1         | 3              | 0           |
| 2015   | 37  | 29-Apr     | 13-May    | 17-May          | 5           | 31-May     | 14              | 23-Jun      | 23                      | 5         | 0              | 0           |
| 2015   | 38  | 13-May     | 22-May    | 26-May          | 5           | 9-Jun      | 14              | 3-Jul       | 24                      | 5         | 0              | 0           |
| 2016   | 19  | 11-May     | 22-May    | 26-May          | 5           | 9-Jun      | 14              | 4-Jul       | 25                      | 5         | 0              | 0           |
| 2016   | 22  | 20-Apr     | 20-May    | 23-May          | 4           | 7-Jun      | 15              | 30-Jun      | 23                      | 4         | 0              | 0           |
| 2016   | 25  | 20-Apr     | 21-May    | 24-May          | 4           |            | NA              | NA          | NA                      | 0         | 4              | 0           |
| 2016   | 34  | 8-May      | 20-May    | 23-May          | 4           | 9-Jun      | 17              | 4-Jul       | 25                      | 3         | 1              | 0           |
| 2016   | 37  | 21-Apr     | 20-May    | 24-May          | 5           | 7-Jun      | 14              | 2-Jul       | 25                      | 5         | 0              | 0           |
| 2016   | 38  | 1-May      | 24-May    | 28-May          | 5           |            | NA              |             | NA                      | 0         | 5              | 0           |
| 2017   | 21  | 10-May     | 23-May    | 27-May          | 5           | 11-Jun     | 14              | 5-Jul       | 24                      | 3         | 2              | 0           |
| 2017   | 22  | 23-Apr     | 16-May    | 20-May          | 5           | 13-Jun     | 14              | 27-Jun      | 23                      | 5         | 0              | 0           |
| 2017   | 24  | 1-May      | 17-May    | 20-May          | 4           | 4-Jun      | 15              | 28-Jun      | 24                      | 3         | 1              | 0           |
| 2017   | 29  | 5-May      | 24-May    | 27-May          | 4           | 11-Jun     | 15              | 5-Jul       | 24                      | 4         | 0              | 0           |
| 2017   | 30  | 29-Apr     | 9-May     | 13-May          | 5           | 29-May     | 16              | 20-Jun      | 22                      | 4         | 1              | 0           |
| 2017   | 34  | 23-Apr     | 18-May    | 21-May          | 4           | 4-Jun      | 14              | 26-Jun      | 22                      | 3         | 1              | 0           |
| 2017   | 37B | 20-May     | 27-May    | 30-May          | 4           | 13-Jun     | 14              | 7-Jul       | 24                      | 4         | 0              | 0           |
| 2017   | 38  | 29-Apr     | 17-May    | 21-May          | 5           | 4-Jun      | 14              | 29-Jun      | 25                      | 5         | 0              | 0           |
| 2018   | 19  | 23-May     | 1-Jun     | 5-Jun           | 5           | 18-Jun     | 13              | 15-Jul      | 27                      | 4         | 0              | 1           |
| 2018   | 22  | 25-Apr     | 4-Jun     | 7-Jun           | 4           | 21-Jun     | 14              | 18-Jul      | 27                      | 4         | 0              | 0           |
| 2018   | 25  | 10-May     | 19-May    | 23-May          | 5           | 6-Jun      | 14              | 2-Jul       | 26                      | 4         | 0              | 1           |
| 2018   | 29  | 5-May      | 22-May    | 26-May          | 5           | 10-Jun     | 15              | 7-Jul       | 27                      | 4         | 0              | 1           |
| 2018   | 30B | 28-May     | 9-Jun     | 12-Jun          | 4           | 25-Jun     | 13              | 20-Jul      | 25                      | 4         | 0              | 0           |
| 2018   | 34  | 29-Apr     | 19-May    | 22-May          | 4           | 7-Jun      | 16              | 30-Jun      | 23                      | 4         | 0              | 0           |
| 2018   | 35  | 27-May     | 6-Jun     | 8-Jun           | 3           | 21-Jun     | 13              | 15-Jul      | 24                      | 2         | 1              | 0           |
| 2018   | 37  | 25-Apr     | 13-May    | 17-May          | 5           | 1-Jun      | 15              | 25-Jun      | 24                      | 5         | 0              | 0           |
| 2018   | 38  | 25-Apr     | 18-May    | 23-May          | 6           | 6-Jun      | 14              | 1-Jul       | 25                      | 5         | 1              | 0           |
| 2018   | 39  | 10-May     | 25-May    | 28-May          | 4           | 11-Jun     | 14              | 5-Jul       | 24                      | 4         | 0              | 0           |
| 2019   | 19  | 4-May      | 25-May    | 30-May          | 6           | 14-Jun     | 15              | 9-Jul       | 25                      | 5         | 1              | 0           |
| 2019   | 22  | 14-May     | 25-May    | 28-May          | 4           | 12-Jun     | 15              | 6-Jul       | 24                      | 4         | 0              | 0           |
| 2019   | 25  | 4-May      | 19-May    | 25-May          | 4           | 7-Jun      | 13              | 2-Jul       | 25                      | 4         | 0              | 0           |
| 2019   | 29  | 10-May     | 27-May    | 30-May          | 4           | 13-Jun     | 14              | 8-Jul       | 25                      | 4         | 0              | 0           |
| 2019   | 31  | 17-Apr     | 14-May    | 19-May          | 6           | 3-Jun      | 15              | 29-Jun      | 26                      | 5         | 1              | 0           |
| 2019   | 34  | 21-Apr     | 14-May    | 17-May          | 4           | 4-Jun      | 17              | 26-Jun      | 22                      | 2         | 2              | 0           |

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|--------------|-----|---------------|--------------|-----------------|-------------|------------|-----------------|--------------|----------------------------|--------------|----------------|-------------|
| 2019         | 35  | 6-May         | 17-May       | 23-May          | 5           | 5-Jun      | 13              | 30-Jun       | 25                         | 5            | 0              | 0           |
| 2019         | 37  | 23-Apr        | 9-May        | 14-May          | 6           | 28-May     | 14              | 22-Jun       | 25                         | 5            | 1              | 0           |
| 2019         | 38  | 24-Apr        | 13-May       | 17-May          | 5           | 2-Jun      | 16              | 26-Jun       | 24                         | 5            | 0              | 0           |
| 2019         | 39  | 9-May         | 14-May       | 18-May          | 5           | 2-Jun      | 15              | 27-Jun       | 25                         | 5            | 0              | 0           |
| 2020         | 1B  | 28-May        | 1-Jun        | 4-Jun           | 4           | 18-Jun     | 14              | 3-Jul        | 15                         | *            | 0              | 2           |
| 2020         | 20B | 31-May        | 5-Jun        | 7-Jun           | 3           | NA         | NA              |              |                            | 0            | 1              | **          |
| 2020         | 22  | 28-Apr        | 19-May       | 21-May          | 3           | 5-Jun      | 15              | 28-Jun       | 23                         | 3            | 0              | 0           |
| 2020         | 24  | 19-May        | 21-May       | 25-May          | 5           | 9-Jun      | 15              | 29-Jun       | 20                         | 4            | 0              | 1           |
| 2020         | 29  | 14-May        | 27-May       | 30-May          | 4           | 12-Jun     | 13              | 7-Jul        | 25                         | 3            | 0              | 1           |
| 2020         | 30  | 21-Apr        | 8-May        | 12-May          | 5           | 26-May     | 14              | 21-Jun       | 26                         | 5            | 0              | 0           |
| 2020         | 31  | 29-Apr        | 21-May       | 25-May          | 5           | 9-Jun      | 15              | 2-Jul        | 23                         | 5            | 0              | 0           |
| 2020         | 36  | 25-May        | 27-May       | 29-May          | 3           | 13-Jun     | 15              | 8-Jul        | 25                         | 1            | 2              | 0           |
| 2020         | 38  | 2-May         | 14-May       | 18-May          | 5           | 2-Jun      | 15              | 28-Jun       | 26                         | 5            | 0              | 0           |
| 2020         | 39  | 10-May        | 23-May       | 27-May          | 5           | 11-Jun     | 15              | 5-Jul        | 24                         | 4            | 0              | 1           |
| 2020         | 40B | 18-Jun        | 27-Jun       | 28-Jun          | 2           | 13-Jul     | 15              | 7-Aug        | 25                         | 2            | 0              | 0           |
| 2021         | 1   | 11-May        | 28-May       | 31-May          | 4           | 14-Jun     | 14              | 10-Jul       | 26                         | 4            | 0              | 0           |
| 2021         | 19  | 15-May        | 25-May       | 29-May          | 5           | 12-Jun     | 14              | 8-Jul        | 26                         | 3            | 1              | 1           |
| 2021         | 22  | 1-May         | 23-May       | 27-May          | 5           | 9-Jun      | 13              | 5-Jul        | 26                         | 5            | 0              | 0           |
| 2021         | 25  | 15-May        | 28-May       | 1-Jun           | 5           | 14-Jun     | 13              | 10-Jul       | 26                         | 5            | 0              | 0           |
| 2021         | 29  | 1-May         | 14-May       | 18-May          | 5           | 2-Jun      | 15              | 28-Jun       | 26                         | 4            | 1              | 0           |
| 2021         | 31  | 2-May         | 20-May       | 24-May          | 5           | 8-Jun      | 15              | 2-Jul        | 24                         | 5            | 0              | 0           |
| 2021         | 34B | NA            | NA           | NA              | 2           | 4-Jul      |                 | 30-Jul       | 26                         | 1            | 1              | 0           |
| 2021         | 38B | 12-Jun        | 16-Jun       | 18-Jun          | 3           | 3-Jul      | 15              | 28-Jul       | 25                         | 2            | 1              | 0           |
| 2021         | 40  | 1-May         | 21-May       | 24-May          | 4           | 8-Jun      | 15              | 2-Jul        | 24                         | 4            | 0              | 0           |
| 2022         | 25  | 7-May         | 22-May       | 26-May          | 5           | 9-Jun      | 14              | 3-Jul        | 24                         | 5            | 0              | 0           |
| 2022         | 29  | 6-May         | 26-May       | 29-May          | 4           | 12-Jun     | 14              | 7-Jul        | 25                         | 3            | 1              | 0           |
| 2022         | 30B | 20-May        | 24-May       | 27-May          | 4           | 11-Jun     | 15              | 4-Jul        | 23                         | 3            | 1              | 0           |
| 2022         | 37A | 23-Apr        | 9-May        | 12-May          | 4           | n/a        |                 |              |                            | 0            | 3              | 0           |
| 2022         | 37B | N/A           | 2-Jun        | 5-Jun           | 4           | 20-Jun     | 15              | 12-Jul       | 22                         | 4            | 1              | 0           |
| 2022         | 3   | 1-May         | 15-May       | 19-May          | 5           | 4-Jun      | 16              | 26-Jun       | 24                         | 4            | 1              | 0           |
| 2022         | 39  | 1-May         | 21-May       | 24-May          | 4           | 7-Jun      | 14              | 1-Jul        | 24                         | 2            | 2              | 0           |
| 2022         | 40  | 15-May        | 23-May       | 26-May          | 4           | 9-Jun      | 14              | 4-Jul        | 25                         | 4            | 0              | 0           |
| Total        |     | 122           | 122          |                 | 518         |            |                 |              |                            | 429          | 70             | 19          |
| Range        |     | Apr 13-Jun 18 | May 9-Jun 27 | May 12-Jun 28   | 3-6         | May 29-Jul | 13 - 18         | Jun 20-Aug 2 | 22 - 27                    |              |                |             |
| Mode/Average |     |               |              |                 | 4           | 4.4        | 14              | 14.6         | 24                         | 24.3         | 4              | 3.6         |

Note - cells with a ? Mark present were omitted in any and all calculations

\* indicates that this data was used in the calculation of the range, but not for the mode or average

\*\*Box 23B, 2008: incomplete clutch due to fire/helicopter - clutch omitted for # in clutch range

\*\*\*Missed nest start. 7/29 J Williams reported both adults feeding & staying in/at the nest for 10 seconds. On Sep 2, removed flattened VGSW nest--no eggs/ dead chicks.