



# Manta Ray Sightings at "Manta Heaven" (North) and "Manta Village" (South) in July 2012

Kona Coast, Big Island of Hawaii, USA

|         |                  |                                    |                         |                                            |
|---------|------------------|------------------------------------|-------------------------|--------------------------------------------|
| Legend: | Female Manta Ray | "S" = South Site = "Manta Village" | "." = No data available | "(")" = No individual names available      |
|         | Male Manta Ray   | "N" = North Site = "Manta Heaven"  | "0" = skunked           | Manta Ray changed sites within 24-96 hours |

| JULY 2012   |              | Sun | Mon | Tues | Wed | Thur | Fri | Sat | Sun | Mon | Tues | Wed | Thur | Fri | Sat | Sun | Mon | Tues | Wed | Thur | Fri | Sat | Sun | Mon | Tues | Wed | Thur | Fri | Sat | Sun | Mon | Tues | Which Manta Ray did we see the most? |
|-------------|--------------|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|------|--------------------------------------|
|             |              | 1   | 2   | 3    | 4   | 5    | 6   | 7   | 8   | 9   | 10   | 11  | 12   | 13  | 14  | 15  | 16  | 17   | 18  | 19   | 20  | 21  | 22  | 23  | 24   | 25  | 26   | 27  | 28  | 29  | 30  | 31   |                                      |
| Lunar Phase |              | ☉   |     |      |     |      |     |     |     |     |      |     |      |     |     | ☾   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |                                      |
| North       |              | 20  | 21  | 41   | 42  | 41   | 41  | 35  | 26  | 31  | 30   | 28  | 27   | 24  | 21  | 22  | 11  | 15   | 16  | 13   | 7   | 7   | 10  | 9   | 3    | 2   | 3    | 4   | 4   | 1   | 0   | 3    |                                      |
| South       |              | -   | 3   | 2    | 1   | -    | 1   | -   | -   | 6   | 5    | 4   | 4    | 7   | -   | -   | 5   | 4    | 3   | 5    | 4   | 6   | -   | 3   | 4    | 5   | 5    | 1   | 4   | -   | 3   | 3    |                                      |
| SUMMARY     |              | 20  | 24  | 43   | 43  | 41   | 42  | 35  | 26  | 37  | 35   | 32  | 31   | 31  | 21  | 22  | 16  | 19   | 19  | 18   | 11  | 13  | 10  | 12  | 7    | 7   | 8    | 5   | 8   | 1   | 3   | 6    |                                      |
| 1           | Alexander    |     |     | N    | N   | N    | N   |     | N   | N   | N    | N   |      | N   | N   | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 11                                   |
| 2           | Andre-a-Ray  |     |     | N    | N   | N    | N   | N   |     |     | N    | N   | N    | N   | N   | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 11                                   |
| 3           | Big Bertha   | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | S   | N   | N    | N   | S    |     |     |     | S   | S    |     |      |     |     |     |     |      | 21                                   |
| 4           | Blain Ray    | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   |     |     |      |     |      |     |     | N   | N   |      | 23                                   |
| 5           | Bob'n'Ray    |     | N   | N    | N   | N    | N   | N   | N   | N   |      |     | N    | N   | N   | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 13                                   |
| 6           | BooBoo       | N   | N   | N    | N   | N    | S   |     |     | S   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 7                                    |
| 7           | Capt. Mike   | N   |     | N    | N   | N    | N   | N   | N   | N   | N    | N   |      |     |     |     |     |      |     |      | N   | N   | N   |     |      |     |      |     |     |     |     |      | 13                                   |
| 8           | Cara Ray     |     | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   |     |     |      | N   | N    |     | N   | N   | N   |      |     |      |     |     |     |     |      | 19                                   |
| 9           | Cousteau     |     |     | N    | N   | N    | N   | N   |     |     | N    | N   | N    |     |     | N   |     |      | N   | N    |     |     | N   |     |      |     |      |     |     |     |     |      | 12                                   |
| 10          | Curly Ray    |     | N   | N    | N   | N    | N   | N   |     | N   |      |     | N    |     | N   | N   |     |      |     | N    |     |     |     |     |      |     |      |     |     |     |     |      | 11                                   |
| 11          | Delaney      | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    |     |     |     |     |      |     |      |     |     |     |     |      | 19                                   |
| 12          | Doug Ray     |     |     | N    | N   | N    | N   |     |     | N   | N    | N   | N    | N   | N   |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 10                                   |
| 13          | Emma         |     |     | N    | N   | N    | N   | N   | N   | N   |      | N   |      | N   |     | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 10                                   |
| 14          | Grayer       | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   | N   |      |     |      | N   |     |     |     |      | 24                                   |
| 15          | Hans Ray     | N   |     | N    | N   | N    | N   | N   | N   | S   | S    | N   |      | N   | S   |     |     |      | S   |      | S   |     |     |     |      |     |      |     | N   |     |     |      | 14                                   |
| 16          | Hayden Ray   |     |     |      | N   | N    | N   |     |     | N   | N    | N   | N    | N   | N   | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 10                                   |
| 17          | Hook         |     |     | N    | N   |      | N   | N   |     |     | N    | N   | N    | N   | N   |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 9                                    |
| 18          | Jana Ray     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      | S   | S   |     |     | S    | S   |      |     | S   | S   | S   | 7    |                                      |
| 19          | Jay Ray      |     |     | N    | N   | N    |     | N   |     |     | N    | N   | N    |     |     | N   |     |      |     |      |     |     | N   |     |      |     |      |     |     |     |     |      | 9                                    |
| 20          | Jihane       |     |     |      | N   |      | N   | N   | N   | N   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 5                                    |
| 21          | Kailey       |     | S   | S    | N   | N    | N   | N   | N   | S   | S    | S   | S    |     |     | S   | S   | S    | S   |      | S   |     | S   | S   | S    | S   | S    |     |     | S   | S   | 23   |                                      |
| 22          | Kegan        |     |     |      |     |      |     |     |     |     |      |     | N    | N   |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 2                                    |
| 23          | Keniki       |     |     | N    |     |      | N   |     |     | N   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 3                                    |
| 24          | Koie         | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | S    | N   | N   | N   | N   | N    | N   | S    |     | N   | N   | N   | N    | N   | N    | N   |     |     |     |      | 26                                   |
| 25          | Ke'ka'i'malu |     |     | N    |     |      |     |     |     |     |      | S   |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 2                                    |
| 26          | Lefty        | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | S    | S   |     | S   | S   | N    | N   | N    | N   | N   | N   |     |      |     |      | N   |     | N   |     | 23   |                                      |
| 27          | Linda        | N   |     | N    | N   |      | N   | N   | S   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 6                                    |
| 28          | Lisa Rae     | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   |     |      |     | N    | N   |     |     |     |      |     |      |     |     |     |     |      | 17                                   |
| 29          | Mac Ray      |     | S   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 1                                    |
| 30          | Maluhia      |     |     | N    | N   | N    | N   |     | N   | N   | N    |     | N    |     |     |     |     |      |     |      |     |     |     |     |      |     |      | S   |     |     |     |      | 9                                    |
| 31          | Mango        | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | S    |     |     |     |     |      | N   | N    |     | S   |     | S   |      |     |      |     |     |     |     |      | 17                                   |
| 32          | Margo        | N   | N   | N    | N   | N    | N   | N   | N   | S   | S    |     | N    | S   |     |     |     |      |     |      |     |     |     |     |      |     |      |     | N   |     |     |      | 12                                   |
| 33          | Melainah     |     | S   | N    | N   | N    | N   | N   | N   | N   | S    | N   | N    | N   | N   | N   | N   | N    | S   |      | S   | S   | S   |     | S    | S   | S    | S   | S   |     | N   |      | 26                                   |
| 34          | Nick         |     |     |      | S   |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 1                                    |
| 35          | Otis         |     |     |      | N   | N    | N   |     | N   | N   |      |     |      | N   |     | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 7                                    |
| 36          | Ralph's Ray  | N   | N   | N    | N   | N    | N   |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     | S   |     |      | 7                                    |
| 37          | Rebekah      |     | N   | N    | N   | N    | N   |     |     |     | N    | N   | N    | N   |     | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 11                                   |
| 38          | Re-Nata      |     |     | N    | N   | N    | N   | N   | N   | N   | N    | S   | N    | N   | N   | N   | N   | N    | N   |      |     |     |     |     | S    |     |      | S   |     |     |     |      | 18                                   |
| 39          | Scar         |     |     | N    | N   | N    |     |     | N   | N   | N    | N   |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 7                                    |
| 40          | Shirley      | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   |      | N   | N   | N   | N   | N    |     |      | N   | N   |     |     |      | 25                                   |
| 41          | Spatter      |     |     | S    |     |      |     |     |     | S   | S    |     |      | S   |     |     | S   | S    | S   | S    |     |     |     |     |      |     |      |     |     |     |     |      | 8                                    |
| 42          | Stevie       |     |     | N    | N   | N    | N   | N   |     |     |      |     | N    |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 6                                    |
| 43          | Sugar Ray    |     | N   | N    | N   | N    | N   | N   | N   | N   | N    |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 10                                   |
| 44          | Tessa        |     |     | N    |     | N    |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 2                                    |
| 45          | Tim          | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   |     | N   | N   | N    | N   | N    | N   | N   | N   | N   |      | N   | N    | N   |     |     |     |      | 25                                   |
| 46          | Timbuktu     | N   |     | N    | N   | N    | N   | N   |     | N   | N    |     | N    | N   |     | N   |     |      | N   | N    |     |     |     |     |      |     |      |     |     |     |     |      | 13                                   |
| 47          | Uhane Nui    |     |     | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | 15                                   |
| 48          | Vallaray     | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | S   | S    |     |     |     |     | S    |     | S    | S   |     |     |     |      |     | S    |     | S   |     |     | 18   |                                      |
| 49          | Vicky        | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | S    |     | N   | N   | N   |      |     | N    | N   |     |     |     |      |     |      |     |     |     |     | S    | 18                                   |
| 50          | Vinny Ray    | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    | N   | N   | N   |     |      |     |      |     |     | N   | N   |      |     |      |     | N   |     |     |      | 20                                   |
| 51          | Who Ray      |     |     |      |     | N    | N   | N   |     |     | N    | N   | N    | N   |     |     |     |      |     |      |     |     |     | N   | N    |     |      |     |     |     |     |      | 10                                   |