



Manta Ray Sightings at "Manta Heaven" (North) and "Manta Village" (South) in September 2009  
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 24-72 hours

| SEPTEMBER 2009   |              | 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 | Wed |    |    |
|--|--------------|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|------|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|------|-----|----|----|
|  |              | 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  |    |    |
| Lunar Phase  |              | ☾    |     |      |     |     |     |     |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |    |    |
| North  |              | 2    | 7   | 6    | 4   | 9   | 12  | 13  | 19   | 18  | 17   | 23  | (14) | 24  | 23  | 13   | 11  | 8    | 10  | 1   | 6   | 14  | 13   | 7   | 4    | 1   | 3   | 1   | 10  | 9    | 12  |    |    |
| South  |              | 2    | 3   | 5    | 8   | 5   | -   | 1   | 1    | 0   | 2    | -   | -    | -   | 6   | 5    | 5   | 5    | 4   | 1   | -   | 4   | 7    | 5   | -    | -   | -   | -   | 4   | -    | 4   |    |    |
| Which Night did we see the highest number of Manta Rays? |              | 4    | 10  | 11   | 12  | 14  | 12  | 14  | 20   | 18  | 19   | 23  | 14   | 24  | 29  | 18   | 16  | 13   | 14  | 2   | 6   | 18  | 20   | 12  | 4    | 1   | 3   | 1   | 14  | 9    | 16  |    |    |
| 1  | Alexander    |      | N   | N    |     |     | N   |     |      |     | N    | N   |      | N   |     |      |     |      | N   |     |     | N   | N    |     |      |     |     |     | N   | N    | N   | 12 |    |
| 2  | Andrea-a-Ray |      |     |      |     | N   | N   | N   | N    | N   | N    |     | N    |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |    | 7  |
| 3  | Angelika     | S    | S   | S    | S   | S   |     |     |      |     | S    |     |      |     | S   | S    | S   | S    | S   |     |     |     | S    |     |      |     |     |     |     |      |     | S  | 13 |
| 4  | Big Bertha   |      |     |      |     |     |     |     |      |     |      |     |      | S   | S   | S    | S   |      |     |     |     |     | S    | S   |      |     |     |     |     |      |     |    | 6  |
| 5  | 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   | N   | N    | N   | N  | 21 |
| 6  | Bob'n'Ray    |      |     |      |     |     | N   | N   | N    | N   | N    | N   | N    | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |    | 7  |
| 7  | Capt. Kirk   |      |     | N    | N   | N   | N   |     | N    | N   | N    | N   | N    | N   | N   | N    | N   | N    | N   | N   |     | N   |      |     |      |     |     |     |     |      |     |    | 15 |
| 8  | Capt. Mike   |      |     |      |     |     |     |     |      |     |      |     |      |     |     | N    |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |    | 1  |
| 9  | Cara Ray     |      |     | N    |     | N   | N   |     | N    | N   | N    | N   | N    | N   | N   |      |     |      |     |     |     |     |      |     |      |     |     |     |     | N    | N   | N  | 13 |
| 10   | Cousteau     |      | N   |      |     |     | N   |     | N    | N   | N    | N   | N    | N   |     |      |     |      | N   |     |     |     |      |     |      |     |     |     |     | N    |     | N  | 10 |
| 11   | Curly Ray    | N    |     |      |     |     | N   | N   | N    |     | N    | N   | N    | N   |     |      |     |      | N   |     |     | N   | N    |     |      |     |     |     | N   | N    | N   | 13 |    |
| 12   | Doug         |      |     |      |     |     | N   | N   | N    | N   | N    | N   | N    | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     | N   |      | N   | 9  |    |
| 13   | Emma         |      |     |      |     |     |     |     |      |     |      |     |      |     | N   |      |     | N    |     |     |     | N   |      |     |      |     |     |     |     |      |     | 3  |    |
| 14   | Grayer       |      |     |      |     |     |     |     |      |     |      |     |      | N   |     | N    |     |      |     |     |     | N   |      |     | N    |     |     |     |     |      |     | 4  |    |
| 15   | Hans Ray     |      |     | N    | N   |     |     |     |      |     |      |     |      | S   | S   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      | N   | 5  |    |
| 16   | Hayden Ray   |      |     |      | S   |     |     |     |      |     |      |     |      | S   |     |      |     |      |     |     |     | S   | S    | S   |      |     |     |     | S   |      | S   | 7  |    |
| 17   | Ho Ray       |      |     |      |     |     |     |     |      |     |      |     | N    | N   |     | N    | N   | N    |     |     |     |     |      |     |      |     |     |     |     |      |     | 5  |    |
| 18   | Hook         |      | N   |      |     |     |     | N   | N    |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 3  |    |
| 19   | Isabel       |      |     |      |     | N   |     |     |      | N   |      | N   | N    |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     | N    |     | 6  |    |
| 20   | Jay          |      |     |      |     |     |     | N   | N    | N   |      | N   | N    |     |     |      |     |      |     |     | N   |     |      |     |      |     | N   |     |     |      |     | 8  |    |
| 21   | Jeffrey      |      |     |      |     |     |     | N   | N    |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 2  |    |
| 22   | Johnny       |      |     |      |     |     |     |     |      | N   |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 1  |    |
| 23   | Kailey       | S    | S   | S    | S   |     |     | S   |      |     |      |     |      |     | S   |      | S   |      |     |     |     | S   |      |     |      |     |     |     |     |      |     | 8  |    |
| 24   | Kaiulani     |      |     |      |     |     |     | N   |      | N   | N    |     | N    | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 5  |    |
| 25   | Koie         |      |     | S    |     |     |     |     |      |     |      | N   |      | N   | N   | N    | S   | N    | N   | N   | N   | N   | N    |     |      |     |     | N   | N   | N    | 12  |    |    |
| 26   | Lefty        |      |     |      |     |     | N   | N   | N    | N   |      | N   | N    | N   | N   | N    | N   |      |     |     | N   | N   | N    | N   | N    |     |     |     | N   |      |     | 16 |    |
| 27   | Lightning    |      |     | N    |     |     |     |     |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 1  |    |
| 28   | Lisa Rae     |      |     |      |     | S   |     |     |      |     |      |     |      |     |     |      |     |      |     |     |     |     | S    |     |      |     |     |     |     |      |     | 2  |    |
| 29   | Maluhia      |      |     |      |     | N   |     |     |      |     |      |     |      | N   |     |      |     |      |     |     | N   |     |      |     |      |     |     |     |     |      |     | 3  |    |
| 30   | Margo        |      |     |      |     |     |     |     |      |     |      |     |      |     | S   |      |     |      |     |     |     |     | S    |     |      |     |     |     | S   |      |     | 3  |    |
| 31   | Melainah     |      |     | S    |     |     |     |     |      |     |      |     |      | S   |     | S    | S   | S    |     |     |     | S   | S    |     |      |     |     |     |     |      | S   | 8  |    |
| 32   | Miki         |      | N   |      |     |     | N   |     |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 2  |    |
| 33   | Miles Ray    |      |     |      |     |     |     | N   |      |     |      |     |      | N   |     |      |     |      |     |     |     |     | N    |     |      |     |     |     |     |      |     | 3  |    |
| 34   | Milo         |      |     |      | N   | N   |     |     |      |     |      | N   | N    | N   |     | N    | N   |      |     |     |     |     |      |     |      |     |     | N   | S   |      |     | 9  |    |
| 35   | Rebecca      |      |     |      |     |     |     | N   | N    | N   |      | N   | N    | N   |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     |    | 6  |
| 36   | Re-Nata      |      |     |      | S   | S   |     |     |      |     |      |     |      |     | N   |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 3  |    |
| 37   | Rocky        |      |     |      |     |     |     |     |      |     |      |     |      |     |     |      |     |      |     |     |     | N   |      |     |      |     |     |     |     |      |     | 1  |    |
| 38   | Russell      |      | N   |      |     |     |     | N   |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 2  |    |
| 39   | Salem        |      |     | S    | S   |     |     |     |      |     |      |     |      | S   |     | S    | S   | S    | S   |     |     |     | S    | S   |      |     |     |     | S   |      |     | 10 |    |
| 40   | Shelly       |      |     |      |     |     |     |     |      |     |      | N   |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 1  |    |
| 41   | Sparrow      |      |     |      |     |     |     | N   |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 1  |    |
| 42   | Stevie       |      |     |      |     |     |     | N   | N    | N   | N    | N   |      | N   | N   |      |     |      |     |     |     |     |      |     |      |     |     |     |     | N    | N   | 9  |    |
| 43   | Sugar Ray    |      |     |      | N   | N   | N   | N   |      |     | N    | N   | N    | N   | N   | N    |     |      |     | N   |     | N   | N    | N   | N    |     |     |     |     |      | N   | 16 |    |
| 44   | Timbuktu     |      | N   |      |     |     | N   | N   | N    | N   | N    | N   | N    | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    |     |     |     | N   | N    | N   | 20 |    |
| 45   | Trent-O      |      |     |      |     | S   |     |     |      |     | N    | N   | N    | N   |     |      |     |      |     |     |     | N   | N    |     |      |     |     |     |     |      |     | 7  |    |
| 46   | Uhane Nui    |      | N   |      |     | N   | N   | N   | N    | N   | N    | N   | N    | N   | N   | N    | N   | N    | N   | N   | N   | N   | N    | N   | N    |     |     | N   |     |      | N   | 18 |    |
| 47   | Vall-a-Ray   |      | S   | S    | S   | S   |     |     | S    |     | S    |     |      |     |     | S    |     |      |     |     |     | S   | S    | S   |      |     |     |     |     |      | S   | 11 |    |
| 48   | Vicky        |      |     |      | S   |     |     |     |      |     |      |     |      | N   |     |      |     |      |     |     |     |     | N    | N   |      |     |     |     | N   |      |     | 5  |    |
| 49   | Vinny Ray    |      |     |      |     | N   | N   |     |      |     |      | N   | N    | N   | N   | N    | N   | N    |     |     |     | N   | N    | N   |      |     | N   |     |     | N    | N   | 15 |    |
| 50   | Who Ray      |      |     |      |     |     | N   | N   | N    | N   | N    | N   | N    |     | N   |      |     |      |     |     |     | N   |      |     |      |     |     |     |     |      |     | 8  |    |
| 51   | Zach-A-Ray   |      |     |      |     |     |     | N   |      |     |      |     |      |     |     |      |     |      |     |     |     |     |      |     |      |     |     |     |     |      |     | 1  |    |