



Manta Ray Sightings at "Manta Heaven" (North) and "Manta Village" (South) in December 2013
Kona Coast, Big Island of Hawaii, USA

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|--------------------------|------------------------------------|-------------------------|--|
| 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 |

| December 2013 | | Sun | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | Mon | Tues | Wed | Thurs | Fri | Sat | Sun | Mon | Tues | Wed | Thurs | 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 | | 16 | 10 | 17 | 5 | 17 | 4 | 4 | - | 4 | 4 | 2 | 1 | 2 | 0 | 0 | 7 | 21 | 13 | 13 | - | - | - | 6 | 7 | 0 | - | 0 | 0 | 0 | 0 | (2) | | | |
| South | | - | 6 | 7 | 7 | 3 | 2 | 4 | 1 | 3 | 3 | - | 2 | - | 3 | 4 | 2 | 1 | 2 | 6 | - | - | 4 | 4 | 4 | - | - | 2 | 3 | 5 | 3 | 6 | | | |
| SUMMARY | | 16 | 16 | 24 | 12 | 20 | 6 | 8 | 1 | 7 | 7 | 2 | 3 | 2 | 3 | 4 | 9 | 22 | 15 | 19 | - | - | 4 | 10 | 11 | 0 | - | 2 | 3 | 5 | 3 | 8 | | | |
| 1 | Amanda Ray | | S | S | S | S | S | S | | | S | | S | | S | S | S | S | S | S | | | S | S | S | | | S | S | S | S | S | S | 22 | |
| 2 | Big Bertha | | | | | | | | | | | | | | S | | | | | S | | | | | S | | | | | | | | 3 | | |
| 3 | Blain Ray | N | | N | | N | N | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 4 | Bob'n'Ray | | | N | | | | | | | | | | | | | N | | | | | | | | | | | | | | | | | 2 | |
| 5 | Capt. Mike | N | N | | | | | | | | | | | | | | | N | N | | | | | | | | | | | | | | | 4 | |
| 6 | Cara Ray | N | | N | | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 7 | Coral | | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | 1 | |
| 8 | Cousteau | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | | 1 | |
| 9 | Curly Ray | | | | | | | | | | | | | | | | N | N | | | | | | | | | | | | | | | | 2 | |
| 10 | Delaney | | | N | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 11 | Doug Ray | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | 1 | |
| 12 | Eli Ray | N | N | N | | N | N | N | | N | N | N | | | | | N | N | | | | | | N | N | | | | | | | | | 13 | |
| 13 | Emma | N | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | | 2 | |
| 14 | Grayer | N | N | N | N | N | | | | | | | | | | | N | N | N | N | | | | N | N | | | | | | | | | 11 | |
| 15 | Hans Ray | | | | | | | | | | | | | | | | | | N | N | | | | | | | | | | | | | | 2 | |
| 16 | Hayden Ray | | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 17 | Ho Ray | | | N | | N | N | N | | N | N | | | N | | | | N | N | N | | | | | N | N | | | | | | | | 12 | |
| 18 | Independence | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 19 | Jana Ray | | S | S | | S | | | | | | | | | | | | | | S | | | | S | | | | | | | | | S | 6 | |
| 20 | Jay Ray | | | N | | | | | | | N | | | | | | | N | | | | | | | | | | | | | | | | 3 | |
| 21 | Jordan | | | | | | | | | | | | | | | | | | N | N | | | | | | | | | | | | | | 2 | |
| 22 | Kailey | N | N | | | | | | | S | | | | | | | | N | S | | | | | | N | | | | | | | | | 6 | |
| 23 | Kai-Zed | N | | N | | N | | | | | | | | | | | | | N | | | | | N | | | | | | | | | | 5 | |
| 24 | Kapono | | | | | | | | | | | | | | | | | | | | | | S | | | | | | | | | | | 1 | |
| 25 | Koie | | | | | | | | | | | | | | | | S | | | | | | | S | S | | | | | | | | | 3 | |
| 26 | Lee Ray | | S | S | S | | | | | S | | | | | S | S | | | S | | | | S | S | S | | | S | S | S | S | S | S | 15 | |
| 27 | Lefty | N | | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 28 | Lightning | | | | | N | | | | | | | | | | | | | N | | | | | | | | | | | | | | | | 2 |
| 29 | Linda | | S | S | S | | | | | | | | | | | | | | | S | | | | N | | | | | | | | | | 5 | |
| 30 | Lisa Rae | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 31 | Mango | N | | N | | N | | | | | | | | | | | N | N | | N | | | | | | | | | | | | | | 6 | |
| 32 | Margo | N | N | N | N | N | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | 6 |
| 33 | Melainah | | | S | S | N | | | | | | | | | | S | N | S | | | | | | | | | | | | S | | | | 7 | |
| 34 | Nick | | S | S | S | S | S | S | S | S | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| 35 | Orion Ray | | | S | S | | | S | | | | | | | | | | S | | | | | | | | | | | | S | S | | S | 7 | |
| 36 | Otis | | | N | | | | | | N | | | | | | | | N | N | | | | | | | | | | | | | | | | 4 |
| 37 | Peg | N | N | N | N | N | | | | S | | | S | | | | N | N | N | N | | | | | | | | | | | | | | | 11 |
| 38 | Ralph's Ray | N | N | S | | | | | | | | | | | | | | | N | | N | | | | | | | | | | | | | | 5 |
| 39 | Re-Nata | | | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 40 | Reece | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | S | | 1 |
| 41 | Rusty | N | N | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 42 | Scar | | | | | | | | | | | | | | | | | | | N | | | | S | | | | | | | | | | | 2 |
| 43 | Shirley | N | | N | | | | | | | | | | | | | | | N | N | N | | | | N | N | | | | | | | | | 7 |
| 44 | Sparrow | | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | 1 |
| 45 | Stevie | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 46 | Sugar Ray | | | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | | 1 |
| 47 | Tanque-Ray | | | | | N | | | | | | | | | | | | | N | N | N | | | | | | | | | | | | | | 4 |
| 48 | Tim | N | N | | | | N | N | | N | N | N | N | | | | | | | | | | | N | N | | | | | | | | | | 10 |
| 49 | Timbuktu | | | N | | | | | | | | | | | | | | | | N | | | | | | | | | | | | | | | 2 |
| 50 | Vallaray | | S | | | | | S | | | S | | N | | | | | N | | | | | | | | N | | | | | S | S | S | 9 | |
| 51 | Vicky | | | | N | N | | | | | | | | | | | | | N | N | | | | | N | | | | | | | | | | 5 |
| 52 | Vinny Ray | | | | | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |