

The amazing migration of osprey 30 – using migration statistics

Osprey 30 is fitted with a satellite tracker so that we can follow its migration from the UK to West Africa. You can read the full story of her migration this year in “Osprey 30 Migration Autumn 2015”. You can also look at www.ospreys.org.uk and follow the link to “Our Ospreys” to find out more about 30 and other tracked ospreys.

1. Complete the missing spaces in the table (shown in grey)
2. For table 2 calculate the average speed each day in miles per hour

Using the data; You could use this data to produce an “Osprey 30 migration report”. You can use the data to produce graphs or charts and then compare migration in the last three years, and what the more detailed data shows about the migration this year.

Table 1

Shows the distance 30 migrated each day/km in the 2013-2015 autumn migrations

| Day | Distance (km) 2013 | Distance (km) 2014 | Distance (km) 2015 |
|--------------|-----------------------|-----------------------|-----------------------|
| 1 | 568 | 521 | 600 |
| 2 | 547 | 508 | 831 |
| 3 | 464 | 516 | 297 |
| 4 | 257 | 259 | 411 |
| 5 | 471 | 413 | 572 |
| 6 | 293 | 536 | 418 |
| 7 | 330 | 354 | 305 |
| 8 | 475 | 561 | 249 |
| 9 | 408 | 351 | 367 |
| 10 | 328 | 165 | 413 |
| 11 | 257 | 449 | 162 |
| 12 | 85 | 53 | - |
| Total | | | |

Table 2

Shows distance, time of migration, and total hours of migration for Osprey 30 in Autumn 2015

| Day | Distance (km) | Distance (miles) | Time migrating | Total hours | Average speed (miles per hour) |
|----------------|---------------|------------------|----------------|-------------|--------------------------------|
| 1 (31st Aug) | 600 | 372 | 09:00 – 20:00 | | |
| 2 (1st Sept) | 831 | 516 | 06:00 – 20:00 | | |
| 3 (2nd Sept) | 389 | 241 | 07:00 – 20:00 | | |
| 4 (3rd Sept) | 411 | 255 | 07:00 – 20:00 | | |
| 5 (4th Sept) | 572 | 355 | 06:00 – 21:00 | | |
| 6 (5th Sept) | 418 | 260 | 07:00 – 20:00 | | |
| 7 (6th Sept) | 305 | 189 | 09:00 – 19:00 | | |
| 8 (7th Sept) | 249 | 155 | 09:00 – 19:00 | | |
| 9 (8th Sept) | 367 | 228 | 08:00 – 21:00 | | |
| 10 (9th Sept) | 413 | 256 | 08:00 – 19:00 | | |
| 11 (10th Sept) | 162 | 101 | 07:00 – 21:00 | | |
| Total | | | - | | |