**Evidence 1-5 Summary Sheet**

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| **http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/G/GalapagosIs.gifEvidence 1: What is their island like?**  A small island called Daphne Major is in the Galapagos islands. The island is very rocky and very dry, with a small number of plants and animals living on it.  The island is warm all year round. The island gets a little rain most days from December to May, but the amount of rain is small. No people live on this island. The only people who visit it are scientists. You can walk around the whole island in an hour. |
| **Evidence 2: General information about ground finches**    Ground finches live on Daphne Island and eat a variety of seeds. They fly around the island, but do not fly to other islands. Their lifespan is typically 2 years. On average, finches lay 3 eggs per month. Some genetic traits of finches are beak size, wing span, foot length, body color and beak color. |
| **Evidence 3: Predators on the island before and during the drought**     |  |  |  | | --- | --- | --- | | **Predator Type** | **Total from 1975** | **Total from 1978** | | Hawks | 22 | 23 | | Short-Eared Owls | 18 | 16 |   A scientist visited Daphne Island to study the 2 predators that eat ground finches. The scientist counted how many of each she could find in 1975 (before the drought) and 1978 (during the drought). |
| **Evidence 4: The seeds on the island before and during the drought**  Plant scientists studied the small, soft seeds that finches ate. They looked at the abundance of the seeds and the hardness of the seed shells before and during the drought.    1978  1977  1978  1977 |
| **Evidence 5: Differences in finches before and after the drought**  Scientists collected data about different traits of medium sized ground finches before the drought (1975) and after the drought (1980). The scientists created a data table showing the change over time.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **YEAR** | **NUMBER OF FINCHES** | **BEAK SIZE**  **(Average)** | **WING SPAN**  **(Average)** | **WEIGHT**  **(Average)** | **FOOT LENGTH**  **(Average)** | | 1975 | 75 | 9.30 mm | 68.2 mm | 15.0 g | 18.8 mm | | 1980 | 59 | 9.78 mm | 68.5 mm | 12.5 g | 18.7 mm | |