

SUPPLEMENTARY MATERIAL 2. Species, dimensions, and distance to nearest shrub of the 28 shrubs monitored for sparrows on the Davis Pasture, BLM Las Cienegas National Conservation Area, Santa Cruz County, Arizona.

| Shrub number | Shrub species | Distance to nearest shrub (m) | Bush height (m) | Bush width (m) |
|--------------|---------------|-------------------------------|------------------|------------------|
| 1 | mesquite | 138 | 1.9 | 1.3 |
| 2 | mesquite | 145 | 1.7 | 0.9 |
| 3 | mesquite | 34 | 2.2 | 3.1 |
| 4 | mesquite | 50 | 2.1 | 2.2 |
| 4B | mesquite | 34 | 1.3 | 1.5 |
| 5 | mesquite | 50 | 1.8 | 1.6 |
| 6 | mesquite | 33 | 1.9 | 2.2 |
| 6B | mesquite | 33 | 0.8 | 1.6 |
| 7 | mesquite | NA ^a | 1.7 ^a | 1.7 ^a |
| 8 | mesquite | 20 | 1.7 | 2.9 |
| 9 | mesquite | 20 | 1.0 | 1.2 |
| 10 | mesquite | 25 | 2.5 | 2.3 |
| 11 | mesquite | 15 | 1.9 | 2.1 |
| 12 | mesquite | 15 | 1.4 | 1.5 |
| 13 | mesquite | 33 | 1.7 | 3 |
| 13B | mesquite | 33 | 1.7 | 1.8 |
| 13C | mesquite | 27 | 1.2 | 1.5 |
| 14 | mesquite | 85 | 2.2 | 2.7 |
| 14B | mesquite | 40 | 0.8 | 1.6 |
| 14C | mesquite | 42 | 2.1 | 2.5 |
| 15 | mesquite | 66 | 2.4 | 2.5 |
| 15B | mesquite | 66 | 2.3 | 1.5 |
| 16 | elderberry | 155 | 2.6 | 1.8 |
| 17 | mesquite | 62 | 1.9 | 2 |
| 18 | mesquite | 62 | 1.7 | 2.4 |
| 19 | mesquite | 148 | 2.6 | 2.7 |
| 20 | mesquite | 228 | 2.7 | 2.3 |
| 35 | elderberry | 35 ^b | 2.3 ^b | 1.5 ^b |

^aHeight and width for Shrub #7 was recorded in 2007, when a few bird data were collected, but the shrub disappeared after that and distance to nearest shrub was not measured.

^bEstimates were made from memory.