| Site | Model | Degrees of freedom | AIC | Δ AIC | Relative likelihood | AIC weight |
| --- | --- | --- | --- | --- | --- | --- |
| Arroyo Quemado | Step | 3 | 708.58 | 7.42 | 0.02 | 2.18 |
| **Linear** | 3 | 701.16 | **0.00** | 1.00 | 88.88 |
| Asymptotic | 4 | 820.90 | 119.74 | 0.00 | 0.00 |
| Sigmoid | 5 | 705.75 | 4.59 | 0.10 | 8.95 |
| Naples | **Step** | 3 | 699.37 | **0.00** | 1.00 | 40.63 |
| **Linear** | 3 | 700.27 | **0.90** | 0.64 | 25.87 |
| Asymptotic | 4 | 787.32 | 87.95 | 0.00 | 0.00 |
| **Sigmoid** | 5 | 699.75 | **0.39** | 0.82 | 33.49 |
| Mohawk | Step | 3 | 783.20 | 21.43 | 0.00 | 0.00 |
| Linear | 3 | 767.54 | 5.77 | 0.06 | 5.30 |
| Asymptotic | 4 | 910.33 | 148.55 | 0.00 | 0.00 |
| **Sigmoid** | 5 | 761.77 | **0.00** | 1.00 | 94.70 |
| Carpinteria | **Step** | 3 | 669.94 | **1.07** | 0.59 | 34.28 |
| **Linear** | 3 | 668.87 | **0.00** | 1.00 | 58.52 |
| Asymptotic | 4 | 709.28 | 40.41 | 0.00 | 0.00 |
| Sigmoid | 5 | 673.06 | 4.19 | 0.12 | 7.20 |