**Table 1.**  Demographic and landscape disturbance information of six caribou herds in Alberta, Canada. Caribou herd range area (Km2), initial population size as estimated by multiplying the herd area by an assumed carrying capacity of 0.06 caribou/km2, mean annual proportion of caribou range burned, standard deviation of proportion of range burned annually, estimates of beta distribution parameters of herd fire regimes (1938 through 2006) and two estimates of the proportion of a herd’s range within 250m of an industrial feature (%IND) in 1980 and 2000.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Natural disturbance | | | | Industrial disturbance | |
|  |  |  | **Fire regime** | | **Beta Distribution Parameters** | | **%IND** | |
| Herd | **Area** | **Initial Population** | Mean | SD | 𝝰 | 𝜷 | 1980 | 2000 |
| WSAR | 15,038 | 902 | 0.0013 | 0.0036 | 0.1298 | 99.1259 | 11.7 | 51.5 |
| ESAR | 10,605 | 636 | 0.0072 | 0.0215 | 0.1028 | 14.2468 | 17.7 | 54.1 |
| LS | 2,927 | 176 | 0.0003 | 0.0020 | 0.0255 | 78.2023 | 29.9 | 88.4 |
| CLAWR | 5,402 | 324 | 0.0047 | 0.0234 | 0.0352 | 7.4829 | 4.2 | 31.6 |
| RE | 15,999 | 960 | 0.0045 | 0.0185 | 0.0537 | 11.9710 | 11.8 | 67.8 |
| CM | 18,658 | 1,119 | 0.0066 | 0.0221 | 0.0832 | 12.4537 | 17.4 | 31.7 |