

Errata for *Conservation and the Genetics of Populations*, 2007

- Cover The image is too dark. It should be made lighter.
- Page xvii Add n , number of loci, 10
- Page 10 Section 1.3, second paragraph, line 3, “**Stochastic**” should be bolded.
- Page 14 Problem 1.3, insert "concern" between “conservation” and “that”
- Page 35 Section 3.1 first paragraph, line 5, replace “female mule” with “male donkey”.
- Page 40 $2n=32$ for mountain zebra, not 34
- Page 46 Line 5, “assoc-iated” should be “associated”.
- Page 52 Add to Table 3.6 legend, “ P is the proportion of loci that is variable.”
- Page 61 Problem 3.9, line 6, replace "that" with "than"
- Page 73 Section 4.2.3, second paragraph, first line, delete “could”.
- Page 75 Section 4.3.1, line 5, “though” should be “thought”
- Page 89 Line 6, 2nd paragraph in Section 4.6.2: “linkage disequilibrium” should be gametic disequilibrium”.
- Page 96 First line of the 4th paragraph, delete “of the probability” so that the sentence reads “The **product rule** states that the probability of two or more . . .”.
- Page 96 Last line, should be $1/36 + 1/36 + 1/36 + 1/36 + 1/36 + 1/36 = 6/36 = 1/6$
- Page 105 Last line, “Backwater” should be “Blackwater”
- Page 106 Example 6.4, 2nd line of equations should be $\hat{q} = \sqrt{0.847}$, not $\hat{q}^2 = \sqrt{0.847}$
- Page 115 Problem 5.5, line 7, replace "course" with "book"
- Page 116 Problem 5.8, 2nd line from end, replace "course" with "book"
- Page 119 Last line, “Grauer” should be “Graur”
- Page 127 Second full paragraph, line 2, replace "n" with "A"

- Page 128 Question 6.1, line 5, replace "bottle" with "bottleneck"
- Page 144 Problem 6.8, 2nd line after table, should be expression "6.9", not "6.7".
- Page 156 Example 7.2. Line 7, "see Figure 7.2" should be "see Figure 7.4".
- Page 163 Second full paragraph, lines 3-4, "equal N_e ." should be "approximately equal to N_e generations for mtDNA and four times as long for a nuclear gene".
- Page 165 Section 7.9.1, line 5, "heterozygosity" and "allelic diversity" should be interchanged
- Page 165 Section 7.9.1, line 6, should be "ratio", not "ration".
- Page 172 Fourth paragraph, last sentence, "great" should be "greater"
- Page 173 Legend for Figure 8.1, lines 6 and 8, "costal" should be "coastal"
- Page 181 Last paragraph, line 8, "allele C" should be "allele S"
- Page 188 Figure 8.9. Remove "--" before "1.0" on x-axis label. Add "From (Crow and Kimura 1970)." to the end of the legend.
- Page 195 Problem 8.9, line 1, replace "course" with "book"
- Page 196 2nd line, "by reduced" should be "reduced by."
- Page 201 Example 9.2, formula in 3rd line from bottom, should be " $=0.738$ ".
- Page 203 4th paragraph after equation 9.7, add the following to the last sentence, ". . . more than two alleles when multiple populations are sampled".
- Page 214 Example 9.4, line 8, replace "unviable" with "inviable"
- Page 214 Example 9.4, second paragraph, line 8, "in a value R_{ST} (0.98)." should be "in a higher value of R_{ST} (0.98)."
- Page 226 Last line before Section 9.9: "linkage disequilibrium" should be gametic disequilibrium".
- Page 244 3rd paragraph, first line, replace "sib" with "sibs"
- Page 247 Last paragraph, first line: insert "swarm" between "hybrid" and "can".
- Page 256 Problem 10.9, line 5, replace "11" with "12"; i.e., "12 FF"

- Page 257 Author of 2nd quote should be “Michael”, not “Michel”.
- Page 262 2nd paragraph, 2nd line, delete “to” in “from to the interaction”.
- Page 262 1st paragraph, section 11.2, 4th line, “fisher” should be “Fisher”.
- Page 286 4th paragraph, 2nd line, delete “rates” from “mutation rates are rare”.
- Page 288 Section 12.1.2, “Grauer” should be “Graur” in 1st & 2nd paragraphs
- Page 290 Section 12.1.4, first paragraph, line 10, “Grauer” should be “Graur”
- Page 294 Last line before Section 12.2.2, “Grauer” should be “Graur”
- Page 336 Section 14.1, first paragraph, line 10, replace "Ecosystem" with "Ecosystem"
- Page 349 Table 14.1 should be replaced with table at the end of this list.
- Page 359 Section 14.9, last complete sentence on page, insert “not”: “These numbers should not, however, be used as targets.”
- Page 361 Problem 14.1, line 6, replace "course" with "book"
- Page 370 Second sentence of last paragraph, should be Nunney (1997), not Nunney (1999).
- Page 404 Section 16.5.1, paragraph 2, line 6, “selfing” should be “asexual”
- Page 405 Line 7, replace "fragment-ation" with "fragmentation"
- Page 426 Section 17.1.3, 3rd line, “sp ecies” should be “species”.
- Page 466 Section 18.5.3, 2nd line from bottom, replace "slow" with "small"
- Page 467 Figure 18.4 (a) and (b), replace "Inbred" with "Inbreeding”
- Page 487 Next to last paragraph, line 2, “Florida” should be upper-case
- Page 497 Third paragraph, line 5, “Florida” should be upper-case
- Page 517 Figure 20.4 (both a & b), “Adack” should be “Adak”
- Page 522 Problem 20.1, last line, remove "?"
- Page 532 **genomic ratchet**, delete “and with relatively few hybrids per generation.”

- Page 537 **neighborhood**, replace “call” with “can”.
- Page 545 Line 5, should be “R.A. Fisher”
- Page 586 First reference, title, “Flower” should be upper-case.
- Page 586 Coltman et al. (2003) volume should be “426”, not “425”.
- Page 589 El Mousadik and Petit. 1996. “alleleic” should be “allelic”.
- Page 592 Funk et al. 2005, title should be "Genetic basis of variation in morphological and life-history traits of a wild population of pink salmon."
- Page 594 “Grauer” should be “Graur”
- Page 597 Hogan et al. 2004, should be "228-237"

Page 349 Replace Table 14.1 with the following:

Table 14.1. Examples of demographic criteria for evaluating the results of population viability analyses.

Source	Status	Probability Extinction	Time Frame
Shaffer (1978)	Minimum viable population (MVP)	<5%	100 years
Shaffer (1981)	MVP	<1%	1,000 years
Thompson (1991)	Endangered	>5%	100 years
Rieman et al. (1993)	Low threat	<5%	100-200 years
	High threat	>50%	100-200 years
AEPBCA*	Vulnerable	>10%	Medium-term future
	Endangered	>20%	Near future
	Critically endangered	>50%	Immediate future
IUCN	Vulnerable	>10%	100 years
	Endangered	>20%	20 years or 5 generations
	Critically endangered	>50%	10 years or 3 generations

* Australian Environment Protection and Biodiversity Conservation Act 1999