The following supplement accompanies the article

Inter-year variation in pup production of Caspian seals *Pusa caspica* 2005–2012 determined from aerial surveys

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Supplement.

Figure S1. Plots of pup production against summary ice parameters and summer net primary productivity, npp. Red dots indicate years with extreme weather conditions.

a) b)
Table S1. Multiple regression coefficients for model: Pup production~Summer npp+Mean ice area (excluding 2007,2008, 2010).

| Coefficients: | Estimate | Std. Error | t value | Pr(>|t|) |
|---------------|----------|------------|---------|----------|
| (Intercept)   | 21198.476| 8071.775   | 2.626   | 0.1195   |
| NPP.summer    | 8.807    | 2.181      | 4.039   | 0.0562 . |
| Mean.ice.area | -344.737 | 47.409     | -7.272  | 0.0184 * |

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Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 1053 on 2 degrees of freedom
Multiple R-squared: 0.9727, Adjusted R-squared: 0.9454
F-statistic: 35.65 on 2 and 2 DF, p-value: 0.02729