**Table S1.** Intensity Analysis (Aldwaik & Pontius 2012) notations and equations for interval and category level intensities

|  |  |  |
| --- | --- | --- |
|  | = x 100% | (1) |
|  | = x 100% | (2) |
| 100% | = x 100% | (3) |
| 100% | = | (4) |

Where *J* = number of categories; *i* = index for a category at an initial time; *j* = index for a category at a subsequent time; *T* = number of time points; *t* = index for a time point, which ranges from *1* to *T-1*; *Yt* = year at time point *t*; *Cti*j = number of pixels that transition from category *i* at time Yt =1; *St* = annual intensity of change for time interval [*Yt, Yt+1*]; *U* = value of uniform line for time intensity analysis of [*Yt, Yt+1*]; *Gtj* = annual intensity of gross gain for category *j* for time interval [*Yt, Yt+1*]; *Lti* = annual intensity of gross loss for category *i* for time interval [*Yt, Yt+1*]. Note: The notation and equations follow Aldwaik and Pontius (2012), and are further described in Huang *et al.* (2012). Software to facilitate the Intensity Analysis calculations is freely available from <https://sites.google.com/site/intensityanalysis> (Aldwaik & Pontius 2012).