Appendix I***.***

**List of the articles used in this review and methods used by each articles to assess spillover.**

**In brackets is indicate the size of area sampled in the underwater visual census (UVC) for each study (length x width meters). N/A= Not available data as our historic review evaluated experimental papers.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **n** | **Article** | **Methods** | **Spillover** | **Distance from reserve’s border (m)** |
| 1 | Abesamis *et al.*2006 | UVC (50x10m) | Yes | up to 400 |
| 2 | Abesamis and Russ\_2005 | UVC (50x20m) | Yes | up to 500 |
| 3 | Afonso.*et al.*\_2008 | Tracking and/or Tagging | Limited | N/A |
| 4 | Alcala.*et al.*\_2005 | UVC (50x20m) | Yes | N/A |
| 5 | Alcala and Russ\_2006 | Review | N/A | up to 250 |
| 6 | Ashworth and Ormond\_2005 | UVC (100x10m) | Yes | N/A |
| 7 | Barrett *et al.*\_2009 | Tracking and/or Tagging | Little | up to 200 |
| 8 | Bene and Tewfik 2003 | UVC (60x6) | No | N/A |
| 9 | Buxton *et al.*\_2014 | Model | N/A | N/A |
| 10 | Chapman and Kramer\_1999 | UVC (umarkedx3m) | Limited | N/A |
| 11 | Chapman and Kramer\_2000 | Tracking and/or Tagging | No | N/A |
| 12 | Chateau and Wantiez\_2009 | Tracking and/or Tagging | Yes | up to 16000 |
| 13 | Cole *et al.*\_2000 | Tracking and/or Tagging | Yes | Up to 100 |
| 14 | Colléter *et al*.\_2014 | Model | N/A | N/A |
| 15 | Davidson *et al.*\_2002 | UVC (25x4) | No | N/A |
| 16 | Davis\_1981 | Review | N/A | N/A |
| 17 | Edgar *et al.*\_2004 | Tracking and/or Tagging | Yes | N/A |
| 18 | Eggleston and Parsons\_2008 | UVC (a grid system of  1 × 1 km) | Yes (in tandem with Spill-in) | N/A |
| 19 | Fisher and Frank\_2002 | Catch data | Yes | N/A |
| 20 | Follesa *et al.*\_2011 | Tracking and/or Tagging | Yes | Up to 5000 |
| 21 | Follesa.*et al.*\_2007 | Tracking and/or Tagging | Yes | N/A |
| 22 | Follesa *et al.*\_2009 | Tracking and/or Tagging | Yes | up to 20000 |
| 23 | Forcada *et al.*\_2008 | UVC (25x5m) | Yes | N/A |
| 24 | Forcada *et al.*\_2009 | Catch data | Yes | Up to 500 |
| 25 | Forcada *et al.*\_2010 | Interview data | Yes | N/A |
| 26 | Francini-Filho and Moura\_2008 | UVC (stationary visual census technique) | Yes | up to 1200 |
| 27 | Freeman *et al.*\_2009 | Tracking and/or Tagging | No | N/A |
| 28 | Garcia Rubies *et al.* 2014 | UVC (50x10) | No | N/A |
| 29 | Gell and Roberts\_2002 | Review | N/A | N/A |
| 30 | Goni *et al.*\_2006 | Tracking and/or Tagging | Yes | up to 1500 |
| 31 | Goni *et al.*\_2008 | Catch data | Yes | up to 3200 |
| 32 | Goni *et al.*\_2010 | Tracking and/or Tagging | Yes | up to 5000 |
| 33 | Guidetti *et al.*\_2010 | Catch data | Yes | N/A |
| 34 | Guidetti\_2007 | UVC (25x5m) | Moderate | up to 250 |
| 35 | Halpern *et al.* 2010 | Review | N/A | up to 1500 |
| 36 | Halpern and Warner\_2003 | Review | N/A | N/A |
| 37 | Harmelin-Vivien *et al.*\_2008 | UVC (25x5m) | Yes | up to 600 |
| 38 | Huserbråten et al 2013 | Tracking and/or Tagging | Low | up to 21000 |
| 39 | Higgins *et al.*\_2008 | Review | N/A | N/A |
| 40 | Jones\_2008 | Interview data | No | N/A |
| 41 | Kaunda-Arara and Rose\_2004 | Tracking and/or Tagging | Little | up to 1690 |
| 42 | Kay *et al.*\_2012a | Tracking and/or Tagging | Yes | N/A |
| 43 | Kay *et al.*\_2012b | Tracking and/or Tagging | No | N/A |
| 44 | Kelly *et al.* 2002 | Catch data | Yes | Up to 2000 |
| 45 | Kellner *et al.*\_2007 | Model | N/A | N/A |
| 46 | Kellner *et al.*\_2008 | Model | N/A | N/A |
| 47 | Kellner and Hastings\_2009 | Model | N/A | N/A |
| 48 | Kerwath *et al.*\_2007 | Tracking and/or Tagging | No | N/A |
| 49 | Kerwath *et al.*\_2009 | Tracking and/or Tagging | Yes | N/A |
| 50 | Kerwath *et al.*\_2013 | Catch data | Yes | up to 1500 |
| 51 | Kramer and Chapman\_1999 | Review | N/A | N/A |
| 52 | La Mesa *et al.*\_2011 | UVC (25x5m) | Yes | Up to 1000 |
| 53 | McClanahan and Kaunda-Arara\_1996 | UVC (100x10m)/Catch | No | N/A |
| 54 | McClanahan and Mangi\_2000 | Catch data | Yes | Up to2000 |
| 55 | Miethe *et al.*\_2011 | Model | N/A | N/A |
| 56 | Miethe *et al.*\_2009 | Model | N/A | N/A |
| 57 | Miethe *et al.*\_2009a | Model | N/A | N/A |
| 58 | Moffitt *et al.*\_2009 | Model | N/A | N/A |
| 59 | Murawski *et al.*\_2005 | Catch data | Yes | up to 4000 |
| 60 | Perez-Ruzafa *et al.*\_2008 | Model | N/A | N/A |
| 61 | Pillans *et al.*\_2005 | Tracking and/or Tagging | Yes | up to 20000 |
| 62 | Rakitin and Kramer 1996 | UVC (20x4) | No | N/A |
| 63 | Roberts and Polunin\_1991 | Review | N/A | N/A |
| 64 | Roberts *et al.*\_2001 | Catch data | Yes | N/A |
| 65 | Rowley\_1994 | Review | Limited | N/A |
| 66 | Russ and Alcala\_1996 | UVC (50x20m) | Yes | up to 300 |
| 67 | Russ *et al.*\_2003 | UVC (50x20m) | Yes | up to 200 |
| 68 | Russ *et al.*\_2004 | UVC (50x20) | Yes | up to 500 |
| 69 | Russ and Alcala\_2011 | UVC (50x20m) | Yes | up to 400 |
| 70 | Samoilys *et al.*\_2007 | UVC (50x5m) | Low | N/A |
| 71 | Sanchez-Lisazo *et al.*\_2000 | Review | N/A | N/A |
| 72 | Sanchirico *et al.*\_2006 | Model | N/A | N/A |
| 73 | Stamoulis and Friedlander 2013 | UVC (25x5) | Yes | N/A |
| 74 | Stelzenmuller *et al.*\_2007 | Catch data | No | N/A |
| 75 | Stezenmuller *et al.*\_2008 | Catch data | Yes | N/A |
| 76 | Stobart *et al.*\_2009 | Catch data | Yes | N/A |
| 77 | Svensson *et al.*\_2010 | Interview data | Yes | up to 200 |
| 78 | Tewfik and Bene, 2003 | UVC (60x6) | Yes | N/A |
| 79 | Tremain *et al.*\_2004 | Tracking and/or Tagging | Yes | up to 150000 |
| 80 | Tupper and Rudd\_2002 | UVC (20x5) | Yes | N/A |
| 81 | Tupper\_2007 | UVC (50x5m)/TT | Yes | N/A |
| 82 | Unsworth *et al.*\_2010 | UVC (100x10) | Yes | N/A |
| 83 | Wilcox and Pomeroy\_2003 | Catch data | No | N/A |
| 84 | Williams *et al.*\_2009 | Catch data | Yes | N/A |
| 85 | Zeller.*et al.*\_2003 | Tracking and/or Tagging | No | N/A |