

Summary of green turtles tagged and resighted  
off the south shore of Molokai, Hawaii, 1982-96.

George H. Balazs                      Bill Puleloa                      Ed Medeiros                      Shawn K. K. Murakawa

| Study dates              | Study site                   | Total No. captured  | No. newly tagged    | No. tag resighting | Total No. tagged in population to date |
|--------------------------|------------------------------|---------------------|---------------------|--------------------|--|
| 5/19/82                  | Pahiomu (E)                  | 4                   | 4                   | 0                  | 4                                      |
| 8/30 -<br>8/31/82        | Palaau (W)                   | 4                   | 4                   | 0                  | 8                                      |
| <del>9/1/82</del>        | <del>Palaau (W)</del>        | <del>1</del>        | <del>1</del>        | <del>0</del>       | <del>9</del>                           |
| 9/3/82                   | Palaau (W)                   | 16                  | 16 <sup>aa</sup>    | 0                  | 24<br>25                               |
| <sup>10</sup><br>9/13/82 | Pukoo (E)                    | 1                   | 1                   | 0                  | 25<br>26                               |
| 9/21/82                  | PalaauI (W)<br>Kaluaapuhi    | 2                   | 2                   | 0                  | 27<br>28                               |
| 10/19 -<br>10/20/82      | PalaauA (W)<br>Kahanui Point | <del>20</del><br>18 | <del>25</del><br>18 | 0<br>1<br>(9/3/82) | 45<br>53                               |
| 10/21/82                 | PalaauH (W)<br>K'K           | 1                   | 1                   | 0                  | 46<br>54                               |
| <del>10/26/82</del>      | <del>Ualapue (E)</del>       | <del>7</del>        | <del>7</del>        | <del>0</del>       | <del>61</del>                          |
| 1/11/83                  | Kawela (E)                   | 4                   | 4                   | 0                  | 50<br>65                               |
| 1/14/83                  | Kawela (E)                   | 1                   | 1                   | 0                  | 51<br>66                               |
| 1/25 -<br>1/28/83        | Kamalo (E)                   | 11                  | 9                   | 2<br>(5/19/82)     | 60<br>75                               |
| 2/8/83                   | Palaau (W)                   | 1                   | 1                   | 0                  | 61<br>76                               |
| 2/26/83                  | Kawela (E)                   | 2                   | 2                   | 0                  | 63<br>78                               |
| 4/20/83                  | Palaau (W)                   | 3                   | 2                   | 1<br>(5/19/82)     | 65<br>80                               |
| 5/6/83                   | Kanukuawa (E)                | 5                   | 4                   | 1<br>(1/25/83)     | 69<br>84                               |
| 6/4/83                   | Ualapue (E)                  | 2                   | 2                   | 0                  | 71<br>86                               |
| 6/30 -<br>7/1/83         | Kawela (E)                   | 8                   | 8                   | 0                  | 79<br>94                               |
| 7/7/83                   | Makolelau (E)                | 4                   | 4                   | 0                  | 83<br>98                               |

Green turtles, Molokai, 1982-96.--Continued.  
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|-------------------|--------------------------------------|--------------------|------------------|-------------------------|--|
| 9/6/83            | Pahiomu (E)                          | 1                  | 1                | 0                       | 84<br>99                               |
| 9/7/83            | Kawela (E)                           | 1                  | 1                | 0                       | 85<br>100                              |
| 11/1/83           | PalaauI (W)<br>(K'K release)         | 1                  | 1                | 0                       | 86<br>101                              |
| 11/16/83          | Kipapa (E)                           | 1                  | 1                | 0                       | 87<br>102                              |
| 11/17/83          | Kakahaia (E)                         | 2                  | 2                | 0                       | 89<br>104                              |
| 12/17/83          | Kanukauawa (E)                       | 1                  | 1                | 0                       | 90<br>105                              |
| 12/20/83          | Palaau (W)                           | 7                  | 7                | 0                       | 97<br>112                              |
| 1/5 -<br>1/6/84   | PalaauI (W)<br>(Kawela release)      | 5                  | 5                | 0                       | 102<br>117                             |
| 1/17/84           | Ualapue (E)                          | 2                  | 2                | 0                       | 104<br>119                             |
| 1/20/84           | Kawela (E)                           | 2                  | 2                | 0                       | 106<br>121                             |
| 1/26/84           | Kawela (E)                           | 1                  | 1                | 0                       | 107<br>122                             |
| 1/28/84           | Kawela (E)                           | 3                  | 3                | 0                       | 110<br>125                             |
| 2/7/84            | Palaau (W)<br>(K'K release)          | 1                  | 1                | 0                       | 111<br>126                             |
| 2/8 -<br>2/9/84   | Palaau (W)                           | 3                  | 2                | 1<br>(9/3/82)           | 113<br>128                             |
| 2/11/84           | PalaauI Biomass (W)<br>(K'K release) | 5                  | 4                | 1<br>(10/19/82)         | 117<br>132                             |
| 2/23/84           | Kawela (E)                           | 4                  | 4                | 0                       | 121<br>136                             |
| 2/24/84           | Pahiomu (E)                          | 2                  | 2                | 0                       | 123<br>138                             |
| 3/24/84           | PalaauJ (W)                          | 1                  | 0                | 1<br>(2/11/84)          | 123<br>138                             |
| 4/4/84            | PalaauI (W)                          | 4                  | 4                | 0                       | 127<br>142                             |
| 4/12 -<br>4/13/84 | Kakahaia (E)                         | 4                  | 2                | 2<br>(7/7/83<br>9/7/83) | 129<br>144                             |

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|----------------------|--------------------------------------|--------------------|------------------|------------------------------------|--|
| 4/14/84              | Kanukuawa (E)                        | 5                  | 3                | 2<br>(7/7/83<br>4/13/84)           | 132<br>147                             |
| 4/25 -<br>4/26/84    | PalaauI Biomass (W)                  | 6                  | 5                | 1<br>(1/28/83)                     | 137<br>152                             |
| 5/5/84               | PalaauK (W)                          | 10                 | 10               | 0                                  | 147<br>162                             |
| 5/9/84               | PalaauK (W)                          | 2                  | 2                | 0                                  | 149<br>164                             |
| 5/10 -<br>5/11/84    | PalaauI (W)                          | 5                  | 5                | 0                                  | 154<br>169                             |
| 5/16/84              | Palaau (W)<br>(east)                 | 10                 | 8                | 2<br>(10/19/82 -<br>2/8/84)        | 162<br>177                             |
| 10/7/84              | Kawela (E)                           | 1                  | 1                | 0                                  | 163<br>178                             |
| 10/17/ -<br>10/18/84 | Kawela (E)                           | 3                  | 3                | 0                                  | 166<br>181                             |
| 10/20/84             | Kamalo (E)<br>Kanukuawa              | 1                  | 1                | 0                                  | 167<br>182                             |
| 4/3/85               | Palaau (W)<br>(K'K release)          | 2                  | 2                | 0                                  | 169<br>184                             |
| 4/11/85              | Palaau Pakanaka (W)<br>(K'K release) | 12                 | 12               | 0                                  | 181<br>196                             |
| 4/23/85              | PalaauA (W)                          | 8                  | 5                | 3<br>(8/30/82<br>1/5/84<br>1/6/84) | 186<br>201                             |
| 4/24 -<br>4/25/85    | PalaauB (W)                          | 39                 | 38               | 1<br>(4/11/85) <sup>a</sup>        | 224<br>239                             |
| 4/26/85              | PalaauC (W)<br>(K'K release)         | 3                  | 3                | 0                                  | 227<br>242                             |
| 4/30/85              | PalaauI (W)<br>(Kawela release)      | 1                  | 1                | 0                                  | 228<br>243                             |



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|---------------------------|---|--------------------|------------------|-------------------------------------|--|
| 5/7 -<br>5/9/85           | PalaauJ (W)<br>(K'K release)              | 9                  | 7                | 2<br>(5/16/84<br>1/6/84)            | 235<br>250                             |
| 5/19 -<br>5/20/85         | PalaauM (W)<br>(Kawela release)           | 5                  | 4                | 1<br>(4/25/84)                      | 239<br>254                             |
| 5/23, 5/31,<br>and 6/2/85 | Palaau (W)<br>Waiakane<br>(hand captures) | 4                  | 4                | 0                                   | 243<br>258                             |
| 6/14 -<br>6/17/85         | Kawela (E)                                | 5                  | 4                | 1<br>(1/11/83)                      | 247<br>262                             |
| 6/28 -<br>6/29/85         | Kawela (E)                                | 6                  | 5                | 1<br>(4/25/85)                      | 252<br>267                             |
| 7/11/85                   | PalaauP (W)<br>(K'K release)              | 16                 | 15               | 1<br>(9/3/82)                       | 267<br>282                             |
| 7/16/85                   | PalaauD (W)                               | 10                 | 10               | 0                                   | 277<br>292                             |
| 7/17 -<br>7/18/85         | PalaauE (W)                               | 35                 | 31               | 4<br>(4/24/85<br>4/25/85)           | 308<br>323                             |
| 7/19/85                   | PalaauF (W)                               | 38                 | 37               | 1<br>(7/11/85)                      | 345<br>360                             |
| 8/15/85                   | Kawela (E)                                | 1                  | 1                | 0                                   | 346<br>361                             |
| 8/25/85                   | Kawela (E)                                | 1                  | 1                | 0                                   | 347<br>362                             |
| 8/30/85                   | Kawela (E)                                | 5                  | 5                | 0                                   | 352<br>367                             |
| 10/3/85                   | Palaau (W)                                | 20                 | 19               | 1<br>(9/3/82)                       | 371<br>386                             |
| 10/16/85                  | Palaau (W)                                | 14                 | 10 <sup>b</sup>  | 4<br>(9/3/82<br>4/11/85<br>10/3/85) | 381<br>396                             |
| 1/6/86                    | Kawela (E)<br>Kanoa                       | 2                  | 2                | 0                                   | 383<br>398                             |

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| 3/5/86              | Palaau (W)                                | 19                 | 16               | 3<br>(9/3/82<br>12/20/83<br>5/16/84)   | <del>399</del><br>414                  |
| 5/1/86              | Palaau (E)<br>Waiakane<br>(hand captured) | 3                  | 3                | 0                                      | <del>402</del><br>417                  |
| 7/3/86              | PalaauI (W)                               | 1                  | 1                | 0                                      | <del>403</del><br>418                  |
| 7/13/86             | Kawela (E)<br>Kanoa                       | 1                  | 1                | 0                                      | <del>404</del><br>419                  |
| 9/19/86             | PalaauA (W)                               | 12                 | 9                | 3<br>(9/3/82<br>7/11/85<br>10/3/85)    | <del>413</del><br>429                  |
| 2/24/87             | Palaau (W)                                | 3                  | 3                | 0                                      | <del>416</del><br>431                  |
| 4/9/87              | Pukoo (E)<br>(Strand)                     | 1                  | 1                | 0                                      | <del>417</del><br>432                  |
| 6/3/87              | PalaauA (W)                               | 10                 | 9                | 1 <sup>c</sup><br>(4/25/84<br>5/19/85) | <del>426</del><br>441                  |
| 6/4/87              | PalaauC (W)                               | 17                 | 14               | 3<br>(9/3/82<br>10/19/82)              | <del>440</del><br>455                  |
| 11/17 -<br>11/18/87 | Kawela (E)                                | 4                  | 4                | 0                                      | <del>444</del><br>459                  |
| 1/23/88             | Kawela (E)<br>Kanoa                       | 1                  | 1                | 0                                      | <del>445</del><br>460                  |
| 2/5/88              | Kawela (E)                                | 4                  | 3                | 1<br>(7/7/83)                          | <del>448</del><br>463                  |
| 2/19/88             | Kawela (E)<br>Panahaha                    | 8                  | 7                | 1<br>(8/30/85)                         | <del>455</del><br>470                  |
| 2/20/88             | Kawela (E)<br>Kanoa                       | 1                  | 1                | 0                                      | <del>456</del><br>471                  |

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|---|-------------------------------|--------------------|------------------|--------------------|--|
| 2/23 -<br>2/24/88                               | K'K (W)<br>(Kawela release)   | 3                  | 3                | 0                  | <del>459</del><br>474                  |
| 3/1/88  | K'K (W)<br>(Kawela release)   | 2                  | 2                | 0                  | <del>461</del><br>476                  |
| 3/8/88  | Kawela (E)                    | 1                  | 1                | 0                  | <del>462</del><br>477                  |
| 3/10/88   | Kawela (E)<br>(Kanoa release) | 2                  | 2                | 0                  | <del>464</del><br>479                  |
| 7/11/88   | Palaau (W)<br>(SLP release)   | (5)                | (5)              | --                 | --                                     |
| 7/12 -<br>7/13/88                               | PalaauA (W)                   | 38                 | 32               | 6 <sup>d</sup>     | <del>496</del><br>511                  |
| (dates for resightings<br>not listed hereafter) |                               |                    |                  |                    |  |
| 7/14 -<br>7/15/88                               | PalaauE (W)                   | 87                 | 77               | 10                 | <del>573</del><br>588                  |
| 8/27-<br>8/30/88                                | Kawela (E)                    | 4                  | 4                | 0                  | <del>577</del><br>592                  |
| 6/10/89   | Kawela (E)<br>Kamiloloa       | 1                  | 0                | 1 <sup>e</sup>     | <del>577</del><br>592                  |
| 7/5 -<br>7/6/89                                 | PalaauA (W)                   | 115                | 106              | 9 <sup>f</sup>     | <del>683</del><br>698                  |
| 7/7/89  | PalaauG (W)                   | 27                 | 24               | 3                  | <del>707</del><br>722                  |
| * no<br>record 7/9/89                           | Palaau (W)                    | 1                  | 1 <sup>g</sup>   | 0                  | <del>708</del><br>723                  |
| 7/17/89   | Palaau (W)                    | 1                  | 0                | 1                  | <del>708</del><br>723                  |
| 8/30/89   | Kaluaaha (E)                  | 1                  | 1 <sup>h</sup>   | 0                  | <del>709</del><br>724                  |
| 11/14 -<br>11/15/89                             | Kawela (E)<br>(Kanoa release) | 9                  | 9 <sup>i</sup>   | 0                  | <del>718</del><br>733                  |
| 3/1/90  | PalaauA (W)                   | 1                  | 1                | 0                  | <del>719</del><br>734                  |
| 3/2/90  | PalaauC (W)                   | 12                 | 11               | 1                  | <del>730</del><br>745                  |



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|---------------------|------------------------|---------------------|---------------------|---------------------|--|
| 5/8 -<br>5/9/90     | PalaauA (W)            | 50                  | 43                  | 7                   | <del>773</del><br>788                  |
| 5/10/90             | PalaauG (W)            | 1                   | 1                   | 0                   | <del>774</del><br>789                  |
| 7/2 -<br>7/3/90     | PalaauB (W)            | 36                  | 29                  | 7                   | <del>803</del><br>818                  |
| 7/9 -<br>7/11/90    | PalaauF (W)            | 82                  | 72 <sup>d</sup>     | 10                  | <del>875</del><br>890                  |
| 7/9 -<br>7/11/91    | PalaauG (W)            | 31                  | 28                  | 3                   | <del>903</del><br>918                  |
| 11/15 -<br>11/16/91 | PalaauE (W)            | 45                  | 27                  | <del>18</del><br>-7 | <del>930</del><br>945                  |
| 12/4 -<br>12/6/91   | PalaauF (W)            | 41                  | <del>32</del><br>26 | <del>9</del><br>-15 | <del>962</del><br>971                  |
| 5/26 -<br>5/29/92   | PalaauE (W)            | 121                 | 84                  | 37                  | <del>1046</del><br>1055                |
| 7/29 -<br>7/31/92   | PalaauB (W)            | <del>71</del><br>70 | <del>58</del><br>57 | 13                  | <del>1106</del><br>1112                |
| 1/4 -<br>1/6/93     | PalaauA (W)            | 55                  | 32                  | 23                  | <del>1138</del><br>1144                |
| 7/19 -<br>7/22/93   | PalaauN (W)            | 64                  | 64                  | 0                   | <del>1202</del><br>1208                |
| 9/28 -<br>10/1/84   | PalaauB (W)<br>PalaauC | 46                  | 39                  | 7                   | <del>1241</del><br>1247                |
| 7/10 -<br>7/14/95   | PalaauA (W)            | <del>57</del><br>56 | <del>42</del><br>40 | <del>15</del><br>16 | <del>1283</del><br>1287                |
| 7/15 -<br>7/19/96   | PalaauO (W)<br>PalaauF | 64                  | 57                  | 7                   | <del>1340</del><br>1344                |
| 9/24 -<br>9/26/96   | PalaauB (W)            | 59                  | 42                  | 17                  | <del>1382</del><br>1386                |

6/25/92

Palaau J

3

2

1

1048

NOTE: E = capture made east of Kaunakakai Wharf; W = capture made west of Kaunakakai wharf.

<sup>a</sup>First turtle ever seen at Palaau with tumors. Newly tagged 6414, 6415, BBA429 on this date (9/3/82). Tumor score = 2.

<sup>a</sup>Tag resighting 7939, 7940 also reported "caught in gillnet at Palaau" during early May 1989. Tags mailed to HIMB.

<sup>b</sup>Second turtle ever seen at Palaau with tumors. Newly tagged 9523 on this date (10/16/85). Photos. Tumor score = 3.

<sup>c</sup>Third turtle seen at Palaau with tumors (6/3/87). Newly tagged 6698, 6699 at Palaau on 4/25/84 without tumors. Recaptured at Palaau and released at Kawela on 5/19/85 without tumors. Tumor score = 3.

<sup>d</sup>Tag resighting 9874, 9875 originally tagged 6/87 at Palaau found comatose in bullpen 7/14/88.

<sup>e</sup>Tag resighting (8624,8625) originally tagged at Kawela 6/29/85 found dead with tumors and left front flipper amputated.

<sup>f</sup>Adult male 6109 originally tagged at French Frigate Shoals 6/82 and 6/89 ("nesting") not included.

<sup>g</sup>Adult male 7154 originally tagged at French Frigate Shoals 6/83 resighted and considered "newly tagged" to Molokai population.

no record

<sup>h</sup>Tumors. Found entangled in discarded gillnet. Tagged 9182, 9183 and released.

<sup>i</sup>Three turtles with tumors (non-Palaau).

<sup>j</sup>Comatose juvenile found among turtles on deck not included.

Total No. tagged E = 132  
Total No. tagged W = 1256  
Total = 1388

Total No. recaptured = 246

Juvenile hawksbill also captured at Kawela (E) on 7/14/88.

TRT-6T.SKM  
January 8, 1997