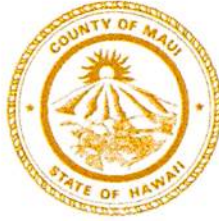


MICHAEL P. VICTORINO  
Mayor

JEFFREY T. PEARSON, P.E.  
Director

HELENE KAU  
Deputy Director



RECEIVED

2019 DEC -9 AM 10:24

OFFICE OF THE MAYOR

DEPARTMENT OF WATER SUPPLY  
COUNTY OF MAUI  
200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793  
[www.mauiwater.org](http://www.mauiwater.org)

December 9, 2019

Honorable Michael P. Victorino,  
Mayor, County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

APPROVED FOR TRANSMITTAL

Michael P. Victorino 12/9/19  
Mayor Date

For transmittal to:

Honorable Kelly T. King, Chair  
and Members of the Maui County Council  
200 South High Street  
Wailuku, Hawaii 96793

Dear Chair King and Members:

**SUBJECT: MONTHLY SOURCE AND GROUNDWATER USE REPORTS**

Attached please find copies of the Department of Water Supply's Monthly Source Report and Groundwater Use Report for the month ending November 2019.

Thank you for your attention to this matter. Should you have any questions or require additional information, please feel free to contact me at Ext. 7834.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeffrey T. Pearson".

JEFFREY T. PEARSON, P.E.  
Director of Water Supply

Attachments

COUNTY COMMUNICATION NO. 19-505

*"By Water All Things Find Life"*

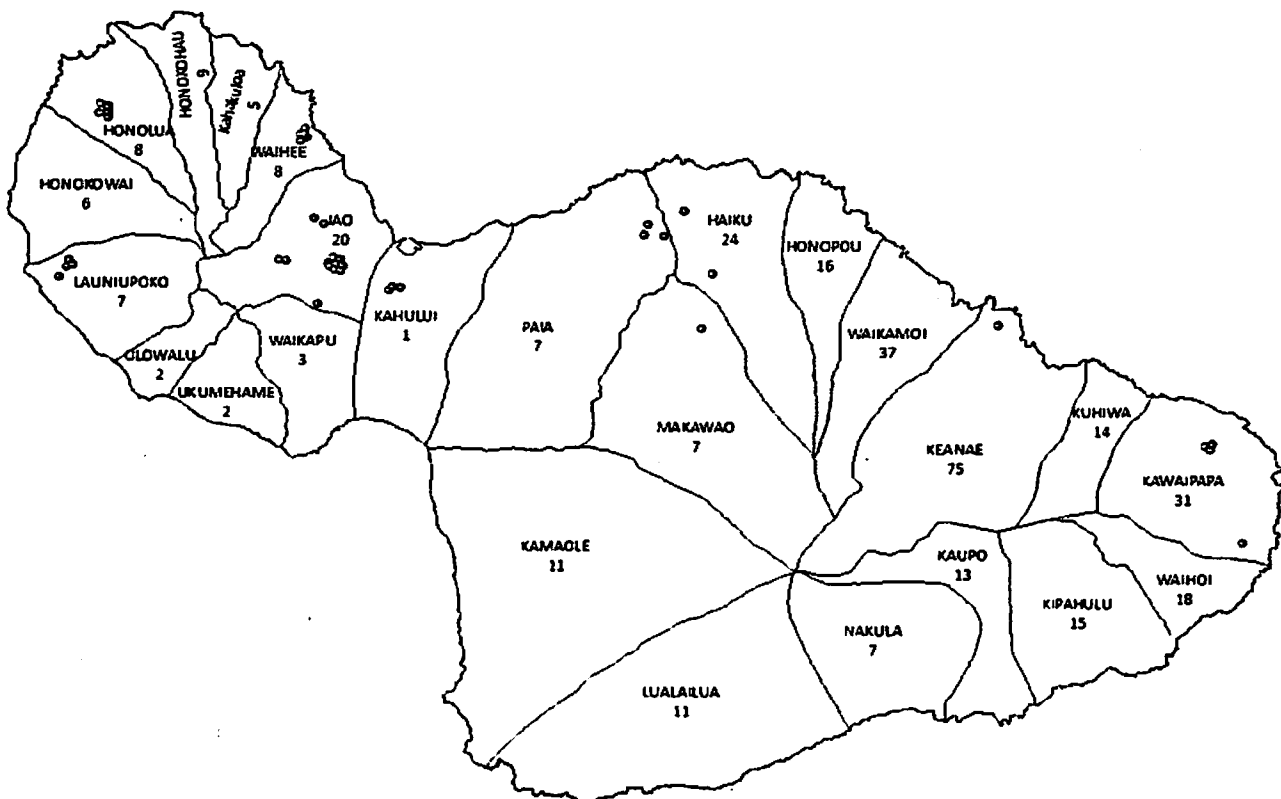
County of Maui  
Dept. of Water Supply  
Monthly Source Reports  
(Gals X 1000)

| WELL NAME        | Dec-18  | Jan-19  | Feb-19 | Mar-19 | Apr-19  | May-19  | Jun-19  | Jul-19  | Aug-19  | Sep-19  | Oct-19  | Nov-19  | Current Year | Last 12 Months |
|------------------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------------|----------------|
| <b>Central</b>   |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| Mokuhanu 501     | 53      | 1,848   | 1,260  | 4,166  | 5,969   | 8,196   | 8,507   | 16,284  | 16,097  | 9,895   | 15,195  | 4,790   | 94,238       | 94,291         |
| Mokuhanu 503     | 71,350  | 72,937  | 51,824 | 84,533 | 103,009 | 99,817  | 102,934 | 113,249 | 82,568  | 87,880  | 62,437  | 53,546  | 894,734      | 966,084        |
| Waihee 577       | 56,720  | 48,498  | 38,573 | 72,635 | 54,788  | 58,815  | 87,567  | 75,309  | 72,408  | 74,780  | 75,771  | 81,752  | 720,665      | 777,385        |
| Waihee 578       | 49,091  | 42,530  | 40,065 | 65,783 | 56,816  | 56,001  | 66,120  | 74,847  | 68,580  | 71,701  | 71,785  | 55,787  | 689,816      | 718,507        |
| Waihee 579       | 105,339 | 121,523 | 74,522 | 82,562 | 119,714 | 118,604 | 120,350 | 131,591 | 122,067 | 109,609 | 122,163 | 109,389 | 1,232,101    | 1,337,440      |
| Walehu Hts 514   | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0            | 0              |
| Walehu Hts 515   | 31,501  | 33,365  | 27,396 | 32,916 | 35,934  | 37,934  | 39,969  | 42,148  | 40,529  | 39,660  | 41,071  | 37,060  | 407,891      | 439,483        |
| Iao              | 48,968  | 39,308  | 39,383 | 37,290 | 38,485  | 37,486  | 48,710  | 56,661  | 52,578  | 54,068  | 15,908  | 18,386  | 439,264      | 487,232        |
| Waikapu          | 33,777  | 34,938  | 20,597 | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 68      | 23,060  | 78,663       | 112,440        |
| Waikuku 1        | 12,061  | 8,217   | 12,085 | 4,821  | 2,416   | 20,803  | 24,719  | 10,521  | 25,622  | 36,000  | 66,036  | 50,102  | 259,342      | 271,403        |
| Waikuku 2        | 65,200  | 65,246  | 65,288 | 65,334 | 65,379  | 65,426  | 65,471  | 65,518  | 65,564  | 65,609  | 65,656  | 65,701  | 720,192      | 785,392        |
| DAILY AVERAGE    | 15,292  | 15,045  | 13,250 | 14,518 | 16,084  | 16,222  | 16,145  | 18,566  | 17,613  | 17,640  | 17,293  | 16,653  | 16,616       | 16,411         |
| Kepaniwai 511    | 22,238  | 22,320  | 19,525 | 22,320 | 21,600  | 22,311  | 21,600  | 22,259  | 22,315  | 21,368  | 21,685  | 21,600  | 238,842      | 261,080        |
| Iao Tunnel       | 49,273  | 49,230  | 44,150 | 49,110 | 47,672  | 49,045  | 48,108  | 49,339  | 49,182  | 48,538  | 50,327  | 48,440  | 533,142      | 582,415        |
| DAILY AVERAGE    | 2,307   | 2,308   | 2,274  | 2,304  | 2,309   | 2,302   | 2,324   | 2,310   | 2,386   | 2,328   | 2,323   | 2,335   | 25,423       | 2,311          |
| <b>North</b>     |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| N. Waihee #1     | 21,441  | 21,788  | 18,845 | 21,979 | 21,500  | 21,586  | 21,633  | 22,366  | 11,494  | 0       | 0       | 0       | 161,191      | 182,632        |
| N. Waihee #2     | 23,103  | 25,760  | 22,066 | 26,965 | 26,498  | 26,815  | 25,490  | 27,080  | 27,203  | 20,848  | 15,406  | 19,584  | 263,714      | 286,817        |
| Kanoa #1         | 7,570   | 14,356  | 10,294 | 14,943 | 18,436  | 17,118  | 15,666  | 21,818  | 21,979  | 33,380  | 31,646  | 30,389  | 228,244      | 235,814        |
| Kanoa #2         | 29,514  | 19,443  | 16,543 | 19,401 | 19,113  | 18,479  | 19,350  | 20,237  | 21,819  | 25,892  | 27,914  | 31,250  | 239,439      | 268,953        |
| Kupaa            | 48,741  | 39,263  | 27,014 | 42,390 | 41,550  | 39,849  | 41,738  | 44,486  | 42,594  | 45,711  | 51,467  | 48,585  | 464,647      | 513,388        |
| DAILY AVERAGE    | 4,205   | 3,891   | 3,384  | 4,054  | 4,170   | 3,995   | 4,137   | 4,387   | 4,035   | 4,194   | 4,078   | 4,327   | 44,652       | 4,076          |
| Maui Lani #5     | 5,964   | 5,969   | 8,526  | 3,476  | 6,013   | 5,756   | 5,436   | 5,932   | 6,223   | 2,959   | 1,349   | 663     | 52,301       | 58,265         |
| Maui Lani #6     | 11,376  | 11,368  | 16,704 | 16,337 | 11,181  | 11,306  | 11,614  | 11,240  | 11,992  | 11,574  | 11,295  | 10,980  | 134,987      | 148,363        |
| Maui Lani #7     | 16,753  | 16,828  | 11,848 | 14,388 | 16,011  | 16,331  | 16,123  | 16,521  | 17,067  | 16,266  | 16,736  | 16,213  | 174,330      | 191,083        |
| DAILY AVERAGE    | 1,100   | 1,102   | 1,324  | 1,103  | 1,107   | 1,077   | 1,086   | 1,087   | 1,138   | 1,027   | 948     | 929     | 1,083        | 1,084          |
| <b>UpCountry</b> |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| Haiku            | 7,728   | 8,412   | 7,916  | 7,592  | 8,043   | 8,727   | 9,753   | 11,113  | 9,554   | 9,210   | 9,284   | 8,861   | 98,473       | 106,201        |
| H' Poko #1       | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 17      | 210     | 0       | 0       | 134     | 361          | 361            |
| H' Poko #2       | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0            | 0              |
| Kaupakalua       | 22,750  | 15,909  | 14,007 | 15,404 | 15,193  | 17,034  | 19,509  | 20,460  | 18,370  | 17,321  | 16,906  | 16,988  | 187,099      | 209,849        |
| Pookela          | 121     | 265     | 236    | 84     | 39      | 83      | 5,120   | 10,840  | 1,468   | 79      | 460     | 18,991  | 37,680       | 37,800         |
| DAILY AVERAGE    | 987     | 793     | 791    | 745    | 776     | 834     | 1,146   | 1,369   | 955     | 887     | 860     | 1,499   | 869          | 970            |
| <b>Leleina</b>   |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| Kanaha 575       | 757     | 4,118   | 635    | 1,421  | 2,546   | 3,670   | 8,256   | 8,739   | 9,064   | 4,456   | 86      | 4,191   | 47,179       | 47,936         |
| Kanaha 576       | 75      | 266     | 239    | 539    | 685     | 1,178   | 201     | 263     | 1,499   | 5,937   | 8,224   | 8,449   | 25,460       | 25,554         |
| Waipuka 559      | 1,183   | 1,514   | 241    | 1,047  | 1,437   | 719     | 6,677   | 6,851   | 7,083   | 9,002   | 9,173   | 9,173   | 53,961       | 53,961         |
| Waipuka 560      | 166     | 3,280   | 587    | 1,569  | 2,203   | 4,364   | 2,632   | 3,730   | 3,809   | 7,670   | 8,064   | 9,108   | 47,115       | 47,281         |
| Napili A 569     | 420     | 1,127   | 438    | 1,274  | 1,150   | 1,010   | 1,945   | 2,714   | 822     | 166     | 1,510   | 1,536   | 13,893       | 14,113         |
| Napili B 570     | 0       | 0       | 0      | 245    | 379     | 595     | 573     | 19,065  | 25,645  | 21,907  | 15,438  | 5,092   | 88,938       | 88,938         |
| Napili C 571     | 40,443  | 40,053  | 37,522 | 41,518 | 40,854  | 42,341  | 39,988  | 31,309  | 10,834  | 4,593   | 18,269  | 31,897  | 339,178      | 379,621        |
| Honokahua A 572  | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0            | 0              |
| Honokahua B 573  | 6,062   | 6,763   | 1,575  | 6,901  | 12,006  | 11,829  | 14,384  | 4,668   | 17,289  | 28,313  | 27,345  | 18,120  | 149,193      | 155,255        |
| DAILY AVERAGE    | 1,584   | 1,843   | 1,473  | 1,758  | 2,042   | 2,120   | 2,489   | 2,495   | 2,456   | 2,736   | 2,837   | 2,852   | 2,286        | 2,226          |
| <b>Hana</b>      |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| Hamae 597        | 418     | 4,484   | 1,447  | 13     | 1,290   | 5,217   | 5,510   | 3,004   | 41      | 1       | 2       | 1       | 21,009       | 21,427         |
| Hamae #2         | 5,678   | 1,222   | 3,463  | 5,936  | 4,353   | 306     | 47      | 3,284   | 4,808   | 4,933   | 5,765   | 7,214   | 41,329       | 47,008         |
| Keanae #1        | 880     | 767     | 725    | 857    | 654     | 0       | 526     | 126     | 0       | 62      | 12      | 0       | 3,752        | 4,632          |
| Keanae #2        | 0       | 1       | 0      | 1      | 269     | 239     | 394     | 838     | 805     | 793     | 812     | 873     | 5,025        | 5,026          |
| Waikuu 550 B     | 2,029   | 1,932   | 2,038  | 2,266  | 2,266   | 2,565   | 2,764   | 2,892   | 2,766   | 2,825   | 3,458   | 1,412   | 27,234       | 29,263         |
| Waikuu C         | 2       | 318     | 4      | 35     | 35      | 35      | 0       | 453     | 2,543   | 2,597   | 1,543   | 1,150   | 8,714        | 8,715          |
| DAILY AVERAGE    | 291     | 282     | 274    | 294    | 297     | 270     | 308     | 342     | 354     | 374     | 374     | 355     | 321          | 318            |
| <b>Molokai</b>   |         |         |        |        |         |         |         |         |         |         |         |         |              |                |
| Kawela 551       | 6       | 9       | 4      | 5      | 13      | 7       | 27      | 6,082   | 12      | 2,526   | 6,619   | 5,091   | 20,395       | 20,400         |
| Kawela 552       | 4,424   | 4,301   | 3,404  | 4,347  | 4,483   | 4,675   | 4,024   | 1,336   | 4,540   | 589     | 5       | 4       | 31,708       | 36,132         |
| Ualapue 553      | 1,642   | 4,137   | 3,090  | 2,573  | 4,797   | 4,209   | 2,267   | 436     | 7,658   | 6,729   | 4,651   | 4,689   | 45,235       | 46,877         |
| Ualapue 554      | 3,699   | 1,196   | 1,243  | 3,628  | 2,386   | 3,402   | 6,136   | 7,258   | 29      | 1,904   | 2,082   | 1,830   | 31,093       | 34,993         |
| Kualapuu         | 14,639  | 15,558  | 10,438 | 15,266 | 16,728  | 17,230  | 17,609  | 14,548  | 17,981  | 18,791  | 9,156   | 10,299  | 183,604      | 178,244        |
| Waialeale Tunnel | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0            | 0              |
| DAILY AVERAGE    | 794     | 813     | 649    | 833    | 947     | 952     | 1,002   | 957     | 975     | 1,018   | 726     | 730     | 874          | 866            |

# DWS Groundwater Use - Island of Maui

| Aquifer Sector | Aquifer System | Sustainable Yield (MGD) | Well Name          | Well No. | Total Pumpage Last 12 Months | Pumpage MAV as of 11/30/19 | % Sustainable Yield |
|----------------|----------------|-------------------------|--------------------|----------|------------------------------|----------------------------|---------------------|
| Wailuku        | Waiakapu       | 3                       |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Iao            | 20                      |                    |          |                              |                            |                     |
|                |                |                         | Mokuhan 1          | 5330-09  | 94,291,000                   | 258,332                    | 1.29%               |
|                |                |                         | Mokuhan 2          | 5330-10  | 0                            | 0                          | 0.00%               |
|                |                |                         | Mokuhan 3          | 5330-11  | 966,084,000                  | 2,646,805                  | 13.23%              |
|                |                |                         | Waihee 1           | 5431-02  | 777,385,000                  | 2,129,822                  | 10.85%              |
|                |                |                         | Waihee 2           | 5431-03  | 718,807,000                  | 1,969,608                  | 9.85%               |
|                |                |                         | Waihee 3           | 5431-04  | 1,337,440,000                | 3,664,219                  | 18.32%              |
|                |                |                         | Waiehu Heights 1   | 5430-01  | 0                            | 0                          | 0.00%               |
|                |                |                         | Waiehu Heights 2   | 5430-02  | 439,483,000                  | 1,204,063                  | 6.02%               |
|                |                |                         | Kepaniwal          | 5332-05  | 261,080,000                  | 715,288                    | 3.58%               |
|                |                |                         | Iao Tank Site Well | 5230-02  | 487,232,000                  | 1,334,882                  | 6.67%               |
|                |                |                         | Waiakapu Well      | 5131-01  | 112,440,000                  | 308,055                    | 1.54%               |
|                |                |                         | Wailuku 1          | 5230-04  | 271,403,000                  | 743,570                    | 3.72%               |
|                |                |                         | Wailuku 2          | 5230-05  | 785,392,000                  | 2,151,759                  | 10.76%              |
|                |                |                         | Iao Subtotal       |          |                              | 17,126,403                 | 85.63%              |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Waihee         | 8                       |                    |          |                              |                            |                     |
|                |                |                         | North Waihee # 1   | 5631-02  | 182,632,000                  | 500,362                    | 6.25%               |
|                |                |                         | North Waihee # 2   | 5631-03  | 286,817,000                  | 785,800                    | 9.82%               |
|                |                |                         | Kanoa 1            | 5731-02  | 235,814,000                  | 646,068                    | 8.08%               |
|                |                |                         | Kanoa 2            | 5731-04  | 288,953,000                  | 736,858                    | 9.21%               |
|                |                |                         | Kupaa              | 5731-03  | 513,388,000                  | 1,406,542                  | 17.58%              |
|                |                |                         | Waihee Subtotal    |          |                              | 4,075,627                  | 50.95%              |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
| Central        | Kahului        | 1                       |                    |          |                              |                            |                     |
|                |                |                         | Maui Lani #5       | 5229-04  | 58,265,000                   | 159,630                    | 15.96%              |
|                |                |                         | Maui Lani #6       | 5229-05  | 146,363,000                  | 400,995                    | 40.10%              |
|                |                |                         | Maui Lani #7       | 5229-06  | 191,083,000                  | 523,515                    | 52.35%              |
|                |                |                         | Kahului Subtotal   |          | 1,340,000                    | 1,084,140                  | 108.41%             |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Kamaole        | 11                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Pala           | 7                       |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         | Hamakuapoko 1      | 5420-02  | 361,000                      | 989                        | 0.01%               |
|                |                |                         | Hamakuapoko 2      | 5320-01  | 0                            | 0                          | 0.00%               |
|                |                |                         | Pala Subtotal      |          |                              | 989                        | 0.01%               |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Makawao        | 7                       |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         | Pockela            | 5118-02  | 37,800,000                   | 103,562                    | 1.48%               |
|                |                |                         | Makawao Subtotal   |          |                              | 103,562                    | 1.48%               |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
| Koolau         | Haiku          | 24                      |                    |          |                              |                            |                     |
|                |                |                         | Kaupakalua         | 5317-01  | 209,849,000                  | 574,929                    | 2.40%               |
|                |                |                         | Haiku              | 5419-01  | 106,201,000                  | 290,962                    | 1.21%               |
|                |                |                         | Haiku Subtotal     |          | 0                            | 865,890                    | 3.61%               |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Honopou        | 16                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Waiakamoi      | 37                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Keanae         | 75                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         | Keanae 1           | 5108-01  | 4,632,000                    | 12,680                     | 0.02%               |
|                |                |                         | Keanae 2           | 5108-02  | 5,026,000                    | 13,770                     | 0.02%               |
|                |                |                         | Keanae Subtotal    |          |                              | 26,460                     | 0.04%               |
|                |                |                         |                    |          |                              |                            |                     |
| Hana           | Kuhlwa         | 14                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                | Kawalpapa      | 31                      |                    |          |                              |                            |                     |
|                |                |                         |                    |          |                              |                            |                     |
|                |                |                         | Hamo 1             | 4300-02  | 21,427,000                   | 58,704                     | 0.19%               |
|                |                |                         | Hamo 2             | 4300-03  | 47,008,000                   | 128,789                    | 0.42%               |

| Aquifer Sector   | Aquifer System            | Sustainable Yield (MGD) | Well Name   | Well No. | Total Pumpage Last 12 Months | Pumpage MAV as of 11/30/19 | % Sustainable Yield |
|------------------|---------------------------|-------------------------|-------------|----------|------------------------------|----------------------------|---------------------|
|                  |                           |                         | Wakiu B     | 4600-03  | 29,263,000                   | 80,173                     | 0.26%               |
|                  |                           |                         | Wakiu C     | 4600-04  | 8,715,000                    | 23,877                     | 0.08%               |
|                  | <b>Kawalpapa Subtotal</b> |                         |             |          |                              | <b>291,542</b>             | <b>0.94%</b>        |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Walhoi</b>             | <b>18</b>               |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Kipahulu</b>           | <b>15</b>               |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
| <b>Kahikinui</b> | <b>Kaupo</b>              | <b>13</b>               |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Nakula</b>             | <b>7</b>                |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Lualallua</b>          | <b>11</b>               |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
| <b>Lahaina</b>   | <b>Honokohau</b>          | <b>9</b>                |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Honolua</b>            | <b>8</b>                |             |          |                              |                            |                     |
|                  |                           |                         | Napili A    | 5838-01  | 14,113,000                   | 38,666                     | 0.48%               |
|                  |                           |                         | Napili B    | 5838-02  | 88,938,000                   | 243,666                    | 3.05%               |
|                  |                           |                         | Napili C    | 5838-04  | 379,621,000                  | 1,040,058                  | 13.00%              |
|                  |                           |                         | Honokahua A | 5838-03  | 0                            | 0                          | 0.00%               |
|                  |                           |                         | Honokahua B | 5938-01  | 155,255,000                  | 425,356                    | 5.32%               |
|                  | <b>Honolua Subtotal</b>   |                         |             |          |                              | <b>1,747,745</b>           | <b>21.85%</b>       |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Honokowai</b>          | <b>6</b>                |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Launipoko</b>          | <b>7</b>                |             |          |                              |                            |                     |
|                  |                           |                         | Kanaha 1    | 5339-03  | 47,936,000                   | 131,332                    | 1.88%               |
|                  |                           |                         | Kanaha 2    | 5339-04  | 25,554,000                   | 70,011                     | 1.00%               |
|                  |                           |                         | Waipuka 1   | 5339-01  | 53,961,000                   | 147,838                    | 2.11%               |
|                  |                           |                         | Waipuka 2   | 5339-02  | 47,281,000                   | 129,537                    | 1.85%               |
|                  | <b>Launipoko Subtotal</b> |                         |             |          |                              | <b>478,718</b>             | <b>6.84%</b>        |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Olowalu</b>            | <b>2</b>                |             |          |                              |                            |                     |
|                  |                           |                         |             |          |                              |                            |                     |
|                  | <b>Ukumehame</b>          | <b>2</b>                |             |          |                              |                            |                     |



| DWS Groundwater Use - Island of Molokai |                   |                   |                   |                 |          |                              |                            |                           |            |
|-----------------------------------------|-------------------|-------------------|-------------------|-----------------|----------|------------------------------|----------------------------|---------------------------|------------|
| Aquifer Sector                          | Aquifer System    | Sustainable Yield | Developable Yield | Well Name       | Well No. | Total Pumpage Last 12 Months | Pumpage MAV as of 11/30/19 | Sustainable Yield - % DWS | % DY MWWGR |
| West                                    | Kaluakoi          | 2                 | 2                 |                 |          |                              |                            |                           |            |
|                                         | Punakou           | 2                 | 2                 |                 |          |                              |                            |                           |            |
| Central                                 | Hoolehua          | 2                 | 2                 |                 |          |                              |                            |                           |            |
|                                         | Manawainui        | 2                 | 2                 |                 |          |                              |                            |                           |            |
|                                         | Kualapuu          | 5                 | 5                 |                 |          |                              |                            |                           |            |
|                                         |                   |                   |                   | Kualapuu        | 0801-03  | 178,244,000                  | 488,340                    | 9.77%                     | 9.77%      |
|                                         |                   |                   |                   | Waikalae Tunnel | 1059-01  | 0                            | 0                          | 0.00%                     | 0.00%      |
|                                         | Kualapuu Subtotal |                   |                   |                 |          |                              | 488,340                    | 9.77%                     | 9.77%      |
| Southeast                               | Kamiloloa         | 3                 | 3                 |                 |          |                              |                            |                           |            |
|                                         | Kawela            | 5                 | 5                 |                 |          |                              |                            |                           |            |
|                                         |                   |                   |                   | Kawela          | 0457-01  | 58,532,000                   | 154,882                    | 3.10%                     | 3.10%      |
|                                         | Kawela Subtotal   |                   |                   |                 |          |                              | 154,882                    | 3.10%                     | 3.10%      |
|                                         | Ualapue           | 8                 | 8                 |                 |          |                              |                            |                           |            |
|                                         |                   |                   |                   | Ualapue         | 0449-01  | 81,870,000                   | 224,301                    | 2.80%                     | 2.80%      |
|                                         | Ualapue Subtotal  |                   |                   |                 |          |                              | 224,301                    | 2.80%                     | 2.80%      |
|                                         | Waialua           | 6                 | 8                 |                 |          |                              |                            |                           |            |
| Northeast                               | Kalaupapa         | 2                 | 0                 |                 |          |                              |                            |                           |            |
|                                         | Kahanui           | 3                 | 0                 |                 |          |                              |                            |                           |            |
|                                         | Waikolu           | 5                 | 4.5               |                 |          |                              |                            |                           |            |
|                                         | Haupu             | 2                 | 0                 |                 |          |                              |                            |                           |            |
|                                         | Pelekunu          | 9                 | 0                 |                 |          |                              |                            |                           |            |
|                                         | Wailau            | 15                | 0                 |                 |          |                              |                            |                           |            |
|                                         | Halawa            | 8                 | 0                 |                 |          |                              |                            |                           |            |
|                                         |                   |                   |                   |                 |          |                              |                            |                           |            |

