PERIODIC WATER REPORT

| $\begin{aligned} & \text { Perind 8 } \\ & 2016 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | PERTOD 13 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\frac{\text { PERIOD } 21}{\text { 2H1unal }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | FERRIOD 11 |  | PERROD 12 |  |  |  |
|  | - Mighanl |  | $\frac{\text { Hitunat }}{\text { High }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | Lisit |  | \%GG |  | Hicil ${ }^{\text {a }}$ |  | HIGH ${ }^{\text {a }}$ |  | HICB | * |
| $\begin{gathered} \text { Maunalci } \\ \text { (Shaf \#2) } \end{gathered}$ | * | * | * | - | - | * | * | - | * | - | * | * | * | * | - | - | * | - | - | * | - | * | - | . | * |  |
| Wella 1 (trackish) | 634 | 569 | 640 | 566 | 634 | 563 | 632 | 564 | 632 | 569 | 636 | 569 | 639 | 582 | 636 | 578 |  |  |  |  |  |  |  |  |  |  |
| Well \# 2 <br> (Shaft $/ 3$ ) | New well under construcitno |  |  | * | * | * | * | * |  |  |  |  |  |  |  |  |  |  |  |  | * | * | * | * | * | * |
| Well 3 | 1009 | 979 | 1013 | 984 | 1008 | 956 | 1004 | 961 | 1001 | 957 | 1001 | 969 | 1000 | 970 | 1001 | 973 |  |  |  |  |  |  |  |  |  |  |
| Well ${ }^{\text {a }} 4$ | 1510 | 1468 | 1510 | 1458 | New transduter |  | 1504 | 1463 | 1584 | 1461 | 1509 | 1473 | 1519 | 1472 | 1510 | 1472 |  |  |  |  |  |  |  |  |  |  |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | - | * | * | * | * | * | * | * | * | * | * | * | * |
| Wellll 6 | 888 | 878 | 887 | 878 | 884 | 874 | 883 | 871 | 885 | 857 | 885 | 876. | 884 | 873 | 883 | 871 |  |  |  |  |  |  |  |  |  |  |
| Well\#7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well\# 8 | 931 | 892 | 931 | 891 | 931 | 891 | 931 | 892 | 931 | 892 | 931 | 893 | 930 | 892 | 930 | 893 |  |  |  |  |  |  |  |  |  |  |
| Well \#9 (BRACKISH) | 681 | 681 | 683 | 681 | 685 | 683 | 686 | 685 | 686 | 685 | $\begin{array}{\|c\|} \hline \text { Panp Out } \\ \hline 686 \\ \hline \end{array}$ | 685 | $\begin{gathered} \text { Pump Out } \\ 686 \\ \hline \end{gathered}$ | 685 | Pump Out |  |  |  |  |  |  |  |  |  |  |  |
| Well 14 ( ${ }_{\text {(brackish }}$ | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Pump out } \\ 468 \end{array} \\ \hline \end{array}$ | 468 | 468 | 468 | 468 | 468 | 468 | 468 | 468 | 468 | $\begin{array}{\|c\|} \hline \text { New pump } \\ 462 \\ \hline \end{array}$ | 382 | 461 | 382 | 461 | 383 |  |  |  |  |  |  |  |  |  |  |
| Well 15 (brackish) | 461 | 444 | 461 | 443 | 462 | 443 | 462 | 443 | 460 | 442 | 459 | 443 | 459 | 42 | 459 | 44 |  |  |  |  |  |  |  |  |  |  |
| Shat 3 Bulkead | * | * | * | * | * | * | * | . | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |


| ${ }^{\text {Preciod 13 }}$ | \% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $\frac{12023}{}$ |  |  |  | $\qquad$ |  | $\frac{5}{2+1006}$ |  |  |  | pexkons ทиу"! |  | PRTIQD smous |  | $\square$ |  | 2R1013 1 зompas: |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Maunatei } \\ & \text { (Shan il 2) } \end{aligned}$ | * | * | * | * | . | * | $\cdots$ | * | . | . | * | * | . | . | 1. | * | $\cdots$ | * | . | . | - | - | * | \|* | - | \% |
| Well 1 (turackisim | 644 | 574 | 642 | 574 | 646 | 572 | 646 | 581 | 646 | 572 | 646. | 571 | 648. | 573 | 643 | 572 | 638 | 570 | 644 | 570 | 644 | 568 | 639 | 566 | 642 | 570 |
| $\begin{aligned} & \begin{array}{l} \text { WedA } / 2 \\ (\operatorname{Sin}(H 33) \end{array} \end{aligned}$ | . | * | * | * | * | , | * | * |  |  |  |  |  |  |  |  |  |  |  |  | * | . | * | * | . | . |
| Wvell\#3 | 1029 | 1003 | 1024 | 1004 | 1023 | 1004 | 1024 | 1009 | 1034 | 1010 | 1029 | 1009 | 1024 | 1004 | 1022 | 994 | 1022 | 994 | 1019 | 999 | 1024 | 99.4 | 1009 | 970 | 1014 | 979 |
|  | 1503. | 1448 | 1493 | 1443 | 1498 | 1443 | 1493 | 1443 | 1518 | 1452 | 1528 | 1445 | 1530 | 14.63 | 1548 | 1476 | 1558 | 1490 | 1565 | 1503 | 1563 | 1503 | 1564 | 1520 | 1568 | 1523 |
| Well\| 5 | * | * | - | * | * | * | * | $\pm$ | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | , |
| Welt\# 6 | 910 | 892 | 900 | 890 | 900 | 889 | 898 | 878 | 888 | 874 | 888 | 873 | 892 | 880 | 892 | 881 | 889 | 878 | 890 | 880 | 890 | 880 | 850 | 878 | 889 | 878 |
| Weilli 7 | * | * | * | - | * | * | * | * | * | * | * | * | * | - | * | * | * | * | $\cdots$ | - | * | * | * | * | * | * |
| Well\# 8 | 931 | 893 | 931. | 893 | 931 | 892 | 931 | 893 | 932 | 893 | 931 | 89.4 | 933 | 894 | 941 | 895 | 937 | 836 | 937 | 895 | 939 | 893 | 935 | 891 | 938 | 876 |
| Wellieg (blackish) | 671 | 609 | 671 | 617 | 674 | 612 | 675 | 620 | 678 | 673 | 677 | 639 | 676 | 613 | 679 | 619 | 677 | 615 | 679 | 676 | 679 | 619 | 679 | 617 | 680 | 680 |
| Vell\# 19 (Inzuckisin) | 420 | 440. | 470 | 438 | 469 | 438 | 469 | 438 | 471 | 438 | 468 | 436 | 468 | 4.96 | 466 | 436 | 466 | 435 | 465 | 436 | 466 | 436 | 466 | 435 | 466 | 435 |
| Well 15 (mRackisin) | 468 | 451 | 468 | 451 | 469 | 450 | 466 | 449 | 468 | 451 | 465 | 448 | 46.5 | 448 | 463 | 448 | 463 | 445 | 462 | 44.5 | 462 | 4.5 | 461 | 445 | 461 | 445 |
| Shan3. <br> Bulshead | * | * | * | * | * | * | - | * | * | * | * | * | . | * | * | * | . | . | - | * | . | * | . | * | * | $\cdots$ |


| $\begin{aligned} & \text { Period 13 } \\ & \text { Poic } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ${ }_{\text {Lith }}^{\text {Lew }}$ | High? | Tas | Higm | Lers | ${ }^{\text {Hign }}$ | 1.elic | HGE' | Hers | $\mathrm{HiCM}^{\text {²\% }}$ | ${ }^{\text {spos.as }}$ | ${ }^{\text {HIGH. }}$ | ${ }^{\text {aratan }}$ Low | HiCHi | ${ }^{1 / 781}$ Low | HCH. | ${ }^{\text {n ina }}$ Leow | - $\quad$ \% 6 \% |  | $\mathrm{HGG7}^{\text {H7. }}$ | Telav | - Michit | Latan | Hich | ${ }^{\text {anans }}$ |
| $\begin{aligned} & \text { Muxnalei } \\ & \text { (Shaft }{ }^{*} \text { 2) } \end{aligned}$ | . | , | , | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |  | - |  |
| Weli\#1 (arackisp) | 640 | 572 | 641 | 636 | 646 | 581 | 654 | 579 | 644 | 564 | 644 | 573 | 644 | 571 | 640 | 571 | 642 | 570 | 640 | 568 | 640 | 568 | 642 | 572 | 654 | 574 |
|  | . | . | . | . | , | . | . | . |  |  |  |  |  |  |  |  |  |  |  |  | . | . | . | . | . | . |
| well ${ }^{\text {a }}$ | 1055 | , | . | * | * | . | 1055 | . | 1055 | 1055 | 1059 | 1034 | 1049 | 1026 | 1039 | 1024 | 1039 | 1014 | 1034 | 1009 | 1034 | 1009 | 1029 | 1014 | 1029 | 1006 |
| Well 4 | 1508 | 1463 | 1518 | 1473 | 1523 | 1473 | 1512 | 1463 | 1503 | 1438 | 1503 | 1440 | 1508 | 1453 | 1503 | 1443 | 1504 | 1433 | 1502 | 1418 | 1504 | 1445 | 1503 | 14.3 | 508 | 1448 |
| Well ${ }^{\text {5 }}$ | . | . | . | - | - | , | . | . | . | . | * | . | . | . | . | - | - | . | . | . | . | . | . | , | , |  |
| Well 46 | 94 | 899 | 916 | 904 | 917 | 905 | 916 | 904 | 916 | 904 | 916 | 906 | 216 | 904 | 915 | 903 | 914 | 900 | 910 | 898 | 910 | 898 | 91 | 898 | 10 | 899 |
| Well 17 | - | . | . | . | * | . | , | * | . | . | - | . | . | . | . | - | . | * | - | . | , | * | . | . | * | 。 |
| Well ${ }^{\text {\% }}$ | 925 | 889 | 929 | 891 | 229 | 891 | 931 | 891 | 931 | 891 | 933 | 891 | 931 | 892 | 931 | ${ }_{89}$ | 939 | 893 | 933 | 893 | ${ }^{33}$ | ${ }_{893}$ | 931 | 893 | 931 | 893 |
| Well | 665 | 605 | 665 | ${ }_{6} 6$ | 663 | 598 | 665 | 601 | 667 | 611 | 673 | 617 | 673 | 621 | 673 | 621 | 671 | 661 | 676 | 619 | 676 | 621 | 675 | 619 | 671 | 609 |
|  | 475 | 446 | 474 | 448 | 476 | 446 | 474 | 446 | 476 | 176 | 474 | 415 | 472 | 444 | 472 | 413 | 472 | 442 | 471 | \$40 | 471 | 442 | 471 | 441 | 470 | 440 |
| Well 15 [PRTCKSH) | 476 | 455 | 475 | 457 | 476 | 458 | 473 | 453 | 473 | 453 | 473 | 455 | 471 | 453 | 47 | 452 | 471 | 454 | 469 | 451 | 469 | 51 | 469 | 454 | 469 | 454 |
| Shaft 3 <br> Bulkhcad | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . |


| $\begin{aligned} & \text { Period } 13 \\ & 2013 \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { PEROD } 1 \\ \text { 12/21-1 } \\ \text { HIGH } \\ \text { Low } \end{gathered}$ |  | $\begin{gathered} \text { PERROD } \\ \text { I/188 2/14 } \\ \text { HIGH } \end{gathered}$ |  | $\begin{gathered} \text { PEROD } 3 \\ \text { 2R5S } 3 \text { 3/4 } \\ \text { HIGH } \\ \text { Low } \end{gathered}$ |  | $\begin{gathered} \text { PERTOD } 4 \\ 3 / 1554 / 41 \\ \text { HIGH\| LOW } \end{gathered}$ |  | $\begin{gathered} \text { PERROD } 3 \\ 4 / 12-5 / 3 \\ \text { HIGH } \end{gathered}$ |  | $\begin{array}{r} \text { PERIOD } 6 \\ 5 / 10-6 / 6 \\ \text { HIGH } \mid \text { Low } \\ \hline \end{array}$ |  | $\begin{array}{c\|} \text { PERIOD } 7 \\ \text { 6/7 } 7 / 4 \\ \text { HIGH } \end{array}$ |  |  |  | $\begin{gathered} \text { PEROD } 9 \\ 8 / 2-8 / 29 \\ \text { HIGH } / \text { Liow } \end{gathered}$ |  | $\begin{gathered} \text { PERIOD } 10 \\ 880-9126 \\ \text { HIGH } \\ \hline \end{gathered}$ |  | $\begin{aligned} & \text { PERIOD } 11 \\ & 9 / 27-10 / 24 \\ & \text { HIGE } 1 \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { PERIOD 12 } \\ & \text { 1025 11/21 } \\ & \text { HIGH }{ }^{\text {LOWW }} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { PERTOD } 13 \\ & 1122-1219 \\ & \text { HIGH } \mid \text { LOW } \end{aligned}$ |  |
| Maunalei (Shaft\#2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | , | L |  | - | , | L |
| Well \# 1 (BRACKISH) | 634 | 563 | 632 | 563 | 634 | 564 | 634 | 568 | 635 | 567 | 636 | 567 | 634 | 566 | 631 | 565 | 628 | 562 | 630 | 559 | 630 | 558 | 634 | 630 | 636 | 566 |
| Well \# 2 <br> (Shaft\#3) | * | * | * | * | * | * | * | * |  |  |  |  |  |  | 1460 | 1435 |  |  |  |  | * | * | * | * | * | * |
| Well\#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#4 | 1508 | 1463 | 1507 | 1467 | 1508 | 1473 | 1508 | 1463 | 1506 | 1465 | 1503 | 1458 | 1499 | 1455 | 1502 | 1453 | 1503 | 1453 | 1502 | 1453 | 1503 | 1456 | 1503 | 1458 | 1503 | 1458 |
| Well \# 5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#6 | 909 | 898 | 914 | 902 | 914 | 902 | 926 | 905 | 916 | 906 | 916 | 905 | 914 | 900 | 910 | 897 | 908 | 895 | 906 | 893 | 906 | 892 | 908 | 896 | 910 | 899 |
| Weil \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 942 | 900 | 942 | 900 | 933 | 895 | 929 | 895 | 929 | 895 | 938 | 897 | 939 | 897 | 938 | 895 | 938 | 897 | 939 | 899 | 935 | 892 | 929 | 889 | 925 | 889 |
| Well \# 9 (BRACKISH) | * | * | 672 | 602 | 671 | 597 | 662 | 584 | 666 | 619 | 671 | 599 | 671 | 605 | 673 | 609 | 674 | 607 | 674 | 597 | 671 | 604 | 661 | 595 | 665 | 595 |
| Well \# 14 (BRACKISH) | 482 | 452 | 478 | 454 | 478 | 476 | 481 | 451 | 481 | 456 | 476 | 452 | 478 | 452 | 476 | 452 | 476 | 450 | 476 | 449 | 476 | 450 | 477 | 449 | 475 | 446 |
| Well \# 15 (8RACKISH) | 485 | 461 | 484 | 463 | 485 | 463 | 483 | 463 | 483 | 465 | 481 | 461 | 481 | 463 | 481 | 461 | 482 | 463 | 483 | 463 | 477 | 453 | 476 | 454 | 477 | 457 |
| Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |  | * |


| Period 13-12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { PER10D } 2 \\ & 1 / 20-2 / 16 \\ & \text { HIGH }\left.\right\|_{\text {LOW }} \end{aligned}$ |  | PERIOD 3 <br> $2 / 17-3 / 15$ <br> IIGH <br> LOW |  | $\begin{array}{r} \text { PERIOD 4 } \\ 3 / 16-4 / 12 \\ \text { HIGH LOW } \\ \hline \end{array}$ |  | $\begin{gathered} \\ \text { PRRIOD } 5 \\ \text { H/13-5/10 } \\ \text { HGH } / \text { LOW } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { PERIOD } 6 \\ 5 / 11-6 / 7 \\ H \mathrm{GH} \mid \mathrm{LOW} \end{gathered}$ |  | $\begin{gathered} \text { PERIOD 7 } \\ \text { 6/8-7/5 } \\ \text { HIGH } / \text { LOW } \end{gathered}$ |  | $\begin{aligned} & \text { PERIOD } 8 \\ & 7 / 6-8 / 2 \\ & \text { HGH LOW } \\ & \hline \end{aligned}$ |  | $\begin{gathered} \text { PERIOD } 9 \\ 8 / 3-8 / 30 \\ \text { HIGH } / \text { LOW } \\ \hline \hline \end{gathered}$ |  | $\begin{gathered} \text { PERIOD 10 } \\ 8 B 1-927 \end{gathered}$ |  | $\begin{aligned} & \text { PERIOD } 11 \\ & \text { 9/28-10/25 } \end{aligned}$ |  | PERIOD 12 210R6 - 11/22HIGH LOW |  | $\begin{aligned} & \text { PERIOD } 13 \\ & 11 / 23-12 / 20 \end{aligned}$ |  |
| Maunatei |  |  |  |  |  |  |  |  |  |  | High | LOw | HIGH | LOW |  |  |  |  |  |  |  |  |
| (Shaft\#2) | * | * | * | * | * | * |  |  | * | * |  |  | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 1 (BRACKISH) | 616 | 574 | 618 | 574 | 612 | 574 | 615 | 575 | 612 | 574 | 615 | 575 | 627 | 565 | 630 | 560 | 632 | 564 | 632 | 564 | 635 | 567 | 635 | 563. | $630^{7}$ | 562 |
| $\begin{aligned} & \text { Well \#2 } \\ & \text { (Shaft \# 3) } \\ & \hline \end{aligned}$ | 1464 | 1441 | 1463 | 1439 | 1464 | 1439 | 1464 | 1445 | 1462 | 1432 | 1462 | 1436 | 1462 | 1436 | 1462 | 1435 | 1460 | 1435 | 1460 | 1435 | * | * | * | * | * | * |
| Well \#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 4 | 1514 | 1473 | 1518 | 1473 | 1523 | 1478 | 1523 | 1478 | 1523 | 1523 | 1523 | 1523 | 1523 | 1523 | 1528 | 1478 | 1513 | 1470 | 1506 | 1460 | 1513 | 1468 | 1508 | 1468 | 1516 | 1468 |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 932 | 910 | 923 | 912 | 924 | 912 | 924 | 904 | 913 | 896 | 909 | 896 | 907 | 894 | 906 | 896 | 908 | 894 | 913 | 901 | 910 | 896 | 906 | 894 | 908 | 894 |
| Well \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 4 |
| Weli \# 8 | 933 | 892 | 932 | 891 | 933 | 891 | 934 | 892 | 935 | 894 | 936 | 894 | 921 | 886 | 921 | 884 | 921 | 886 | 921 | 886 | 929 | 887 | 929 | 89, $0^{-1}$ | 931 | 891 |
| Well \#9 (BRACKISH) | 646 | 594 | 653 | 601 | 655 | 606 | 662 | 616 | 617 | 601 | 617 | 593 | 603 | 593 | 603 | 593 | 603 | 603 | 603 | 603 | 603 | 603 | * |  | * | * |
| Well \# 14 (BRACKISH) | 482 | 460 | 485 | 459 | 484 | 460 | 481 | 458 | 482 | 458 | 482 | 458 | 482 | 456 | 481 | 457 | 479 | 456 | 483 | 483 | 480 | 456 | 480 | 454 | $479$ | $\rangle_{455}$ |
| Well \# 15 (BRACKISH) | - |  |  |  |  |  |  |  |  |  | 488 | 470 | 488 | 470 | 485 | 470 | 485 | 469 | 483 | 467 | 483 | 466 | 484 | 463 | 483 | 461 |
| Shaft 3 <br> Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

## PERIODIC Wr.iER REPORT

| Period 13-11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | PERIOD 2$1 / 21-2 / 7$HIGH \| LOW |  | PERIOD 32 2/88 3/7HIGHLOW |  | $\begin{gathered} \text { PERTOD 4 } \\ \text { 3/18-4/14 } \\ \text { HIGH LOW L LOW } \end{gathered}$ |  | PERIOD 5 <br> $4 / 155-5 / 12$ <br> HIGH |  | PER1OD 6$5 / 13-6 / 9$HIGH |  | $\begin{aligned} & \text { PERED } 7 \\ & 6 / 10-7 / 7 \\ & \text { HIGH } / \text { LOW } \\ & \hline \end{aligned}$ |  | $\mid$ PERIOD 8 <br> 778 8/4 <br> HIGFI LOW |  | $\begin{array}{\|c\|c\|} \hline \text { PEROD } 9 \\ 8 / 5-9 / 1 \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  | $\begin{gathered} \text { PER1OD 10 } \\ 9 / 2-9 / 29 \end{gathered}$ |  | PEREOD 11  <br> $9 / 30-10 / 27$  <br> HIGH LOW |  | $\begin{aligned} & \mathrm{PEROOD} 12 \\ & 10288-1124 \\ & \mathrm{MIGH} \mid \text { Low } \end{aligned}$ |  | $\begin{aligned} & \text { PERIOD } 13 \\ & 11 / 25-12 / 22 \end{aligned}$$\text { HIGH } \mid \text { LOVV }$ |  |
| Maunalei (Shaft\#2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |  | * |
| Well \# 1 (BRACIGSH) | 609 | 575 | 613 | 575 | 613 | 575 | 612 | 573 | 612 | 573 | 612 | 573 | 617 | 580 | 622 | 585 | 623 | 582 | 616 | 582 | 623 | 583 | 616 | 583 | $\sqrt{627}$ | 589 |
| Well \#2 <br> (Shaft \#3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |  |  | * | * | * | * | * | * |
| Well \#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#4 | 1517 | 1478 | 1513 | 1473 | 1508 | 1473 | 1508 | 1472 | 1508 | 1473 | 1508 | 1471 | 1508 | 1468 | 1508 | 1468 | 1503 | 1468 | 1503 | 1468 | 1508 | 1468 | 1506 | 1478 | $12$ | 1471 |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 925 | 912 | 929 | 912 | 926 | 913 | 923 | 910 | 922 | 909 | 922 | 910 | 920 | 909 | 918 | 907 | 918 | 906 | 918 | 908 | 918 | 906 | 921 | 906. | 923 | 910 |
| Well \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Weil \#8 | 941 | 900 | 941 | 897 | 941 | 897 | 940 | 895 | 935 | 893 | 936 | 894 | 938 | 894 | 935 | 891 | 935 | 892 | 934 | 893 | 934 | 891 | 933 | 891 | 933 | $892$ |
| Well \# 9 (BRACKISH) | 685 | 631 | 688 | 632 | 690 | 620 | 677 | 616 | 668 | 608 | 661 | 600 | 652 | 594 | 647 | 594 | 652 | 596 | 652 | 596 | 674 | 597 | 675 | 616 | 649 | 601 |
| Well \# 14 (BRACKISI) | 490 | 468 | 489 | 468 | 489 | 469 | 489 | 467 | 489 | 466 | 489 | 466 | 489 | 466 | 489 | 465 | 489 | 465 | 487 | 463 | 487 | 463 | 487 | 463 | 486 | 464 |
| Shaft 3 <br> Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | $\cdots$ | *, |

HIGH/LOW

| Period 13-10 | PERIOD 1$12 / 24-1 / 21$HIGH \| LOW |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | PERLOD 2$1 / 22-2 / 18$ |  | PEROD 3$2 / 19-3 / 18$HIGHLOW |  | PERIOD 4 <br> $3 / 19-4 / 15$ <br> HIGH <br> LOW |  | $\begin{array}{\|c\|c}  & \begin{array}{c} \text { PERIOD } 5 \\ \text { 4R16 } 5 / 13 \\ \text { HIGH } \end{array} \text { LOW } \\ \hline \end{array}$ |  | $\begin{aligned} & \text { PERLOD } 6 \\ & 5 / 14-6110 \end{aligned}$ |  | PERIOD 7$6 / 11-7 / 8$HIGHLOW |  | PERIOD 8  <br> $779-8 / 5$  <br> HIGH LOW |  | $\begin{array}{\|c\|} \hline \text { PERIOD } \\ 8 / 6-9 / 2 \\ \text { HIGH } \end{array}$ |  | $\begin{gathered} \text { PERIOD 10 } \\ 9 / 3-9 / 30 \end{gathered}$ |  | $\begin{gathered} \text { PERIOD } 11 \\ 10 / 1-1028 \end{gathered}$ |  | PERIOD 12 <br> $10 R 9$ 1 1125 <br> HIGH <br> LOW |  | $\begin{aligned} & \text { PRRIOD } 13 \\ & 11 / 26 \cdots 12 / 33 \end{aligned}$ |  |
| Maunalei (Shaft \# 2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 1 (BRACKISH) | 600 | 579 | 607 | 584 | 607 | 581 | 607 | 578 | 607 | 581 | 608 | 578 | 599 | 574 | 605 | 576 | 607 | 576 | 607 | 575 | 605 | 575 | 607 | 573 | 607 | 573 |
| Well\#2 <br> (Shaft \# 3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |  |  | * | * | * | * | * | * |
| Well \#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 4 | 1505 | 1468 | 1513 | 1473 | 1510 | 1472 | 1509 | 1475 | 1513 | 1473 | 1509 | 1468 | 1503 | 1468 | 1504 | 1470 | 1505 | 1468 | 1507 | 1470 | 1508 | 1473 | 1508 | 1473 | 1509 | 1473 |
| Well \# 5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 936 | 924 | 939 | 926 | 938 | 927 | 939 | 926 | 939 | 918 | 926 | 909 | 922 | 911 | 913 | 900 | 911 | 897 | 916 | 902 | 920 | 904 | 924 | 909 | 927 | 915 |
| Well \#7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 943 | 900 | 942 | 900 | 939 | 899 | 943 | 901 | 942 | 900 | 943 | 901 | 943 | 902 | 943 | 902 | 943 | 901 | 941 | 899 | 941 | 899 | 941 | 898 | 940 | 899 |
| Well \# 9 (BRACKISH) | 675.5 | 615.5 | 679 | 605.5 | 671 | 605 | 665 | 601 | 665 | 597 | 666 | 604 | 666 | 607 | 685 | 623 | 676 | 613 | 672 | 614 | 671 | 612 | 670 | 614 | 672 | 611 |
| Well \# 14 (bRACKISH) | 493 | 476 | 494 | 474 | 493 | 474 | 493 | 476 | 492 | 474 | 492 | 474 | 492 | 475 | 492 | 475 | 490 | 471 | 490 | 471 | 490 | 472 | 490 | 470 | 489 | 468 |
| $\begin{gathered} \text { Shaft 3 } \\ \text { Bulkhead } \end{gathered}$ | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |


| Period 13-09 | $\begin{array}{\|c\|} \hline \text { PERIOD } 1 \\ 12126-1 / 22 \\ \text { HIGG } \\ \text { Low } \\ \hline \end{array}$ |  | $\begin{array}{\|c\|} \text { PERIOD } 2 \\ 1 / 133-2 / 19 \\ \text { HIGH\| Low } \end{array}$ |  | $\begin{gathered} \text { PERIOD } 3 \\ 2 / 20-3 / 19 \\ \text { HGH\| LOW } \end{gathered}$ |  | $\begin{array}{\|c\|} \hline \text { PERROD } \\ 3 / 20-4 / 16 \\ \text { HIGH } \\ \hline \end{array}$ |  | $\begin{aligned} & \text { PERIOD } 5 \\ & 4 / 17-5 / 14 \\ & \text { HIGH } / \text { Low } \end{aligned}$ |  | PERIOD 6 5/15-6/11 HIGH LOW |  | $\begin{gathered} \text { PER1OD } 7 \\ 6 / 127 / 709 \\ \text { HIGH } \mid \text { LOW } \end{gathered}$ |  | PERIOD 8$7 / 10-8 / 06$HIGH LOW |  |  |  | PERIOD 10 <br> $9 / 04-10101$ <br> HIGH <br> LOW |  | $\begin{aligned} & \text { PERROD } 11 \\ & \text { 10020.10.129 } \\ & \text { HIGH L LOW } \end{aligned}$ |  | PERIOD 12 <br> $10 / 30-11 / 26$ <br> HIGH |  | $\begin{array}{r} \text { PERIOD } 13 \\ \text { H1/27-12n4 } \\ H H G H \text { L LOW } \\ \hline \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maunalei (Shaft \# 2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 1 (BRACKISH) | 584 | 561 | 584 | 562 | 572 | 560 | 572 | 560 | 571 | 560 | 574 | 553 | 575 | 555 | 575 | 553 | 575 | 551 | 575 | 549 | 574.5 | 548 | 574.5 | 549.5 | 574.5 | 548.5 |
| Well \# 2 <br> (Shaft \#3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | 1407 | 1397 | * | * | * | * | - | * |
| Well \#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 4 | 1501 | 1457 | 1511 | 1463 | 1499 | 1460 | 1497 | 1456 | 1497 | 1457 | 1502 | 1458 | 1495 | 1457 | 1498 | 1452 | 1501 | 1458 | 1507 | 1463 | 1503 | 1465 | 1503 | 1463, | 1508 | 1468 |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 928.5 | 918 | 928 | 917 | 928 | 917 | 928 | 916 | 926 | 915 | 925 | 914 | 924 | 913 | 923 | 912 | 922 | 909 | 924 | 912 | 928 | 916 | 931 | 920 | 934 | 924 |
| Well \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#8 | 949 | 905 | 946 | 905 | 945 | 905 | 944 | 904 | 934 | 905 | 946 | 903 | 944 | 904 | 944 | 902 | 944 | 897 | 944 | 899 | 942 | 901 | 943 | 901 | $943$ | 901 |
| Well \#9 (BRACKISH) | 664 | 617 | 665 | 602 | 660 | 596 | 664 | 602 | 662 | 600 | 645 | 601 | 640 | 598 | 634 | 596 | 636 | 595 | 636 | 600 | 634 | 601 | 634 | 601 | 654 | 613 |
| Well \# 14 (BRACKISH) | 499 | 482 | 499 | 482 | 499 | 480 | 496 | 478 | 496 | 478 | 496 | 478 | 497 | 478 | 497 | 477 | 497 | 476 | 497 | 474 | 497 | 474 | 497 | 474 | 494 | 476 |
| Shaft 3 <br> Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

## PERIODIC WATER REPORT

HIGH/LOW

|  | $\begin{array}{\|c\|} \hline \text { PERIOD } 1 \\ 12 / 28.1 / 24 \\ \text { HIGH } \\ \hline \end{array}$ |  |  |  | PERIOD 3  <br> $2 / 2-3 / 20$  <br> HIGH LOW |  | $\begin{array}{\|l\|c\|} \hline \text { PERIOD 4 } \\ \text { 3/21-4/17 } \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  | PERIOD 54/18-5/15HIGH \| LOW |  | $\begin{array}{\|c\|} \hline \text { PERIOD } 6 \\ 5 / 166 / 12 \\ \text { HIGH } \\ \text { LOW } \\ \hline \end{array}$ |  | $\begin{gathered} \text { PERIOD } 7 \\ \text { G/I3.7/10 } \\ \text { HIGH } \\ \hline \end{gathered}$ |  | $\begin{array}{\|c\|c\|} \hline \text { PERIOD } \\ \text { 7II-8/7 } \\ \text { HIGH } & \text { LOW } \end{array}$ |  | $\begin{gathered} \text { PERROD } \\ \text { 8/8.9/04 } \\ \text { HIGH } \\ \text { LOW } \end{gathered}$ |  |  |  |  |  | PERIOD 12 <br> Lo/31-II 127 <br> HIGH <br> LOW |  | $\begin{array}{\|c\|c} \text { PERIOD } 13 \\ \text { 11/28-12/25 } \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maunalei (Shaft \# 2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 1 (BRACKISH) | 640 | 635 | N/A | N/A | 680 | 637 | N/A | 636 | 687 | 627 | N/A | 628 | 682 | 625 | N/A | 628 | N/A | 627 | 621 | 577 | 619 | 593 | 622 | 589 | 613 | 573 |
| Well \#2 <br> (Shaft \#3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well 43 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 4 | 1513 | 1407 | 1512 | 1470 | N/A | N/A | N/A | N/A | 1495 | 1452 | 1493 | 1461 | 1497 | 1454 | 1497 | 1450 | 1492 | 1441 | 1493 | 1447 | 1494 | 1447 | 1496 | 1448 | 1500 | 1452 |
| Well \# 5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 911 | 900 | 910 | 895 | 904 | 891 | 902 | 887 | 902 | 880 | 898 | 886 | 898 | 886 | 900 | 887 | 902 | 892 | 927 | 917 | 929 | 916 | 928 | 918 | 928 | 918 |
| Well\#7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 951 | 911 | 951 | 909 | 951 | 910 | 951 | 909 | 950 | 908 | 949 | 907 | 949 | 906 | 948 | 906 | 947 | 905 | 946 | 904 | 945 | 904 | 945 | 904 | 946 | 904 |
| Well \# 9 (BRACKISH) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 664 | 606 | 666 | 608 | 669 | 609 | 678 | 626 | N/A | N/A | 644 | 592 | 642 | 591 | 645 | 592 | 659 | 596 |
| Well \# 14 (BRACKISH) | 456 | 438 | 455 | 437 | 455 | 437 | N/A | 437 | N/A | 433 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 500 | 483 | 500 | 483 | 500 | 482 | 499 | 482 |
| Shaft 3 Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

PERIODIC WATER REPORT
HIGH/LOW

| $\begin{aligned} & \text { Maunaleí } \\ & \text { (Shaft \#2) } \end{aligned}$ | PERIOD 1 <br> 12/28-1/25 <br> HIGH |  | $\begin{gathered} \text { PERNOD }{ }^{2} \\ 1 / 26-2 / 22 \\ \text { HIGH } \\ \hline \end{gathered}$ |  | $\begin{array}{\|c\|c\|} \hline \text { PERIOD }{ }^{3} \\ 2 / 23-3 / 22 \\ \text { HGH } & \text { LOW } \\ \hline \end{array}$ |  | $\begin{gathered} \text { PERIOD 4 } \\ 3 / 23-4 / 19 \\ \text { HIGH } \mid \text { LOW } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { PRRIOD } 5 \\ 4 / 20-5 / 17 \\ \text { BIGH } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { PERIOD } 6 \\ 5 / 18-6 / 14 \\ \mathrm{H} G \mathrm{GH} \end{gathered} \mathrm{LOW}$ |  | $\begin{array}{\|c\|} \text { PERIOD } 7 \\ 6 / 15-7 / 12 \\ \text { HIGH } / \text { LOW } \\ \hline \end{array}$ |  | $\begin{array}{\|c\|} \hline \text { PERROD } 8 \\ 7 / 13-8 / 09 \\ \text { HYGH } \\ \hline \end{array}$ |  | $\begin{gathered} \text { PERIOD } 9 \\ \text { 8/K0-9/06 } \\ \text { HIGH } \mid \text { LOW } \end{gathered}$ |  | PERIOD 109/07-10/04HIGHLOW |  | $\|$PERIOD 11 <br> $10105-11 / 10$ <br> HIGH <br> LOW |  | PERIOD 1211/(22-11/29HIGH \| LOW |  | PERIOD 13 <br> 11/30-12/27 <br> HIGH <br> LOW |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#1 | 673 | 638 | 671 | 643 | 673 | 641 | 671 | 640 | 672 | 638 | 671 | 637 | N/A | N/A | 635 | 612 | 631 | 627 | 629 | 624 | 627 | 623 | 638 | 609 | 677 | 634 |
| Well \#2 <br> (Shaft \# 3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#3 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#4 | 1482 | 1457 | 1479 | 1469 | 1474 | 1457 | 1474 | 1457 | 1482 | 1465 | 1480 | 1458 | N/A | N/A | 1465 | 1459 | 1464 | 1458 | 1472 | 1454 | N/A | N/A | N/A | N/A | N/A | N/A |
| Well \# 5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 932 | 920 | 932 | 922 | 932 | 920 | 931 | 918 | 928 | 916 | 926 | 916 | N/A | N/A | 916 | 899 | 909 | 898 | 1024 | 889 | 1127 | 974 | 914 | 899 | 897 | 911 |
| Well \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 960 | 914 | 960 | 915 | 959 | 919 | 959 | 914 | 959 | 914 | 959 | 914 | N/A | N/A | 957 | 912 | 952 | 913 | 951 | 913 | 952 | 911 | 951 | 911 | 951 | 911 |
| Well \#9 | 661 | 586 | 665 | 624 | 666 | 591 | 660 | 584 | 651 | 588 | 660 | 588 | N/A | N/A | 657 | 590 | 652 | 570 | 640 | 571 | 688 | 575 | 567 | 567 | N/A | N/A |
| Well \# 14 | 463 | 445 | 463 | 445 | 463 | 434 | 463 | 444 | 463 | 444 | 462 | 443 | N/A | N/A | 461 | 443 | 461 | 442 | 460 | 441 | 460 | 442 | 459 | 429 | 453 | 434 |
| Shaft 3 Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
|  | Note: <br> Well \# Well \# | 4 chart 9 Bubb | record er sys | faulty m is | need ut of or | repla der | cement | of sen | vo mec | hanism |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

PERIODIC WATER REPORT
HIGH / LOW

|  | PERIOD 1 <br> $12 / 29 / 55-1 / 26$ <br> HIGH <br> LOW |  | $\begin{array}{\|c\|c\|} \hline \text { PERIOD 2 } \\ \text { 1/27-2/23 } \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  | $\begin{array}{\|c\|} \hline \text { PERIOD } 3 \\ 2 / 24-3 / 23 \\ \text { HIGH } \end{array}$ |  | $\begin{gathered} \text { PEROD 4 } \\ 3 / 24-4 / 20 \\ \text { HIGH } \end{gathered}$ |  | $\begin{array}{\|c\|} \text { PERIOD } 5 \\ \text { 4/21-5/18 } \\ \text { HIGH LOW LOW } \\ \hline \end{array}$ |  | PERIOD 65/19-6/15HIGH L LOW |  | PERIOD 76R16-7/13HIGH |  |  |  | PERTOD 9 <br> $8 / 11-9907$ <br> HIGH <br> LOW |  | PERIOD 1009/08-10/05HIGH \| LOW |  | PERIOD 1110/06-11/02HIGH I LOW |  | PERIOD 12 <br> 11/03-11/30 <br> HIGH |  | PERIOD 13 12/01-12/28 HIGH LOW |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maunalei (Shaft\#2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# I | 700 | 645 | 647 | 641 | 645 | 641 | 699 | 641 | 643 | 605 | 645 | 640 | 643 | 639 | 686 | 639 | 656 | 638 | 642 | 639 | 643 | 639 | 689 | 640 | 643 | 637 |
| Well \# 2 <br> (Shaft \# 3) | * | * | * | * | * | * | * | * | * | * | 1441 | 1392 | 0 | 0 | 1453 | 1393 | * | * | 1452 | 1398 | * | * | * | * | 1441 | 1392 |
| Well\#3 | 1030 | 1004 | 1030 | 1004 | 1026 | 990 | 1014 | 977 | 998 | 874 | 986 | 874 | 992 | 986 | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 4 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | * | * | * | * | * | * | 1496 | 1496 |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 936 | 927 | 937 | 926 | 938 | 916 | 945 | 928 | 945 | 928 | 931 | 920 | 951 | 950 | * | * | * | * | * | * | 923 | 917 | 929 | 915 | 931 | 920 |
| Well \#7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 961 | 924 | 962 | 920 | 970 | 922 | 959 | 920 | 959 | 920 | 958 | 918 | 962 | 910 | 917 | 913 | 923 | 915 | 959 | 913 | 960 | 914 | 959 | 914 | 960 | 914 |
| Well \#9 | 660 | 576 | 656 | 598 | 566 | 566 | 566 | 566 | 566 | 566 | 648 | 587 | 666 | 592 | 667 | 581 | 668 | 576 | 654 | 578 | 651 | 583 | 661 | 580 | 662 | 578 |
| Well \# 14 | 531 | 507 | 533 | 512 | 532 | 513 | 533 | 514 | 538 | 515 | 538 | 516 | 535 | 515 | 537 | 507 | 537 | 495 | * | * | 444 | 443 | * | * | 463 | 444 |
| Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { PERIOD I } \\ 12130-1 / 2705 \\ \text { HIGH\| LOW } \end{gathered}$ |  | PERIOD 2$01 / 28-2 / 24$HIGHLOW |  | $\begin{gathered} \text { PERIOD } 3 \\ 2 / 25-3 / 24 \end{gathered}$ |  | $\begin{aligned} & \text { PERIOD } 4 \\ & 3 / 25-4 / 21 \end{aligned}$ |  | PERIOD 5$4 / 22-5 / 19$ |  | $\begin{gathered} \text { PERIOD } 6 \\ 5 / 20-6 / 16 \end{gathered}$ |  | PERIOD 7 <br> $6 / 17-7 / 14$ <br> PICH |  | $\begin{array}{\|c} \text { PERIOD } 8 \\ 7 / 15-8 / 11 \\ \text { HIGH I } \end{array}$ |  | $\begin{gathered} \text { PERIOD } 9 \\ 8 / 12-9 / 08 \end{gathered}$ |  | $\begin{aligned} & \text { PERIOD } 10 \\ & 9 / 09-10 / 06 \end{aligned}$ |  | $\begin{aligned} & \text { PERIOD } 11 \\ & \text { 10/07-1103 } \\ & \text { HIGH } \\ & \text { LOW } \end{aligned}$ |  | $\begin{aligned} & \text { PERIOD } 12 \\ & \text { I1/04-12/01 } \\ & \text { HIGH\| } 20 \mathrm{l} \end{aligned}$ |  | $\begin{gathered} \text { PERIOD I3 } \\ 12 /-12129 \\ \text { HIGH\| LOW } \end{gathered}$ |  |
| Maunalei (Shaft \# 2) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 1 | 691 | 611 | 694 | 607 | 697 | 611 | 697 | 611 | 697 | 611 | 654 | 601 | 647 | 607 | 697 | 603 | 690 | 605 | 685 | 597 | 677 | 595 | 677 | 590 | 687. | 603 |
| Well \#2 (Shaft \# 3) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \#3 | 1058 | 1040 | 1059 | 1040 | 1058 | 1033 | 1057 | 1037 | 1056 | 1036 | 1056 | 1036 | 1055 | 1036 | 1044 | 1022 | 1052 | 889 | 890 | 874 | 874 | 874 | 1058 | 1028 | 1058 | 1010 |
| Well \# 4 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498. | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 | 1505 | 1486 | 1498 | 1477 |
| Well \#5 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 6 | 944 | 936 | 944 | 935 | 944 | 936 | 944 | 934 | 943 | 933 | 941 | 930 | 936 | 926 | 934 | 924 | 936 | 915 | 972 | 966 | 938 | 914 | 956 | 926 | 936 | 928 |
| Well \# 7 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Well \# 8 | 965 | 929 | 967 | 929 | 963 | 929 | 963 | 913 | 963 | 927 | 962 | 927 | 962 | 925 | 961 | 925 | 963 | 959 | 981 | 980 | 961 | * | 961 | 960 | 961 | 939 |
| Well \# 9 | 670 | 576 | 672 | 583 | 636 | 578 | 660 | 578 | 658 | 578 | 656 | 576 | 630 | 620 | 644 | 582 | 632 | 571 | 638 | 573 | 627 | 572 | 630 | 576 | 660 | 576 |
| Well \# 14 | 537 | 525 | 523 | 515 | 516 | 493 | 516 | 493 | 516 | 493 | 516 | 493. | 516 | 493 | 527 | 495 | 530 | 503 | 527 | 505 | 549 | 506 | 528 | 507 | 533 | 507 |
| Shaft 3 <br> Bulkhead | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

THE ISLAND OF LANA'I 2004 PERIODIC WATER REPORT

PERIOD 13, 2004
High and Low Water Levels

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $$ |  | PERIOD 2  <br> $02 / 01-2 / 28$  <br> HIGH LOW |  | $\begin{array}{\|c\|c\|} \hline \text { PERIOD 3 } \\ \text { 2R9- 3/27 } \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  | $\begin{gathered} \text { PERIOD } 4 \\ 3 / 28-4 / 24 \end{gathered}$ |  | PERIOD 54/25 $-5 / 22$HIGHLOW |  | $\begin{array}{\|c\|c\|} \hline \text { PERIOD } 6 \\ 5 / 23-6 / 19 \\ \text { HIGH } & \text { LOW } \\ \hline \end{array}$ |  | $\begin{array}{\|c\|\|} \hline \text { PERIOD } 7 \\ 6 / 20-7 / 24 \\ \text { HIGH } \\ \hline \end{array}$ |  | PERIOD 8 8  <br> 7/25-8/14  <br> HIGH LOW |  | PERIOD 9  <br> $8 / 15-9 / 11$  <br> HIGH LOW |  | PERIOD 10 <br> 9/12-1010 <br> HIGH LOW $^{2}$ |  | $\begin{array}{\|c\|} \hline \text { PERIOD } 11 \\ \text { IO/10 - IIO6 } \\ \text { HIGH } \\ \hline \end{array}$ |  | $\begin{array}{\|c\|} \hline \text { PERIOD } 12 \\ \text { I1/07-12/04 } \\ \text { HIGH } \\ \hline \end{array}$ |  | PERIOD 13$12 / 05-1 / 01$HIGH LOW |  |
| Gathacts Shatul 2 ) | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| ¢01建 | 727 | 689 | 739 | 675 | 741 | 687 | 733 | 685 | 747 | 699 | 753 | 687 | 742 | 687 | 742 | 691 | 731 | 697 | 776 | 695 | 687 | 605 | 697 | 605 | 690 | 601 |
|  | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Weitime | 1063 | * | 1063 | * | 1061 | * | 1060 | * | 1061 | * | 1061 | * | 1063 | 1049 | 1061 | 1053 | 1061 | * | 1121 | 1105 | 1056 | 1041 | 1059 | 1038 | 1060 | 1040 |
| Welielt | 1467 | * | 1467 | * | 1467 | * | 1479 | * | 1478 | * | 1477 | * | 1479 | * | 1477 | * | 1477 | * | 1477 | * | 1498 | 1477 | 1498 | 1477 | 1498 | 1477 |
| Weillas | 1495 | * | 1496 | * | 1496 | * | 1496 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Weilili 6 | 950 | 940 | 948 | 938 | 949 | 939 | 947 | 932 | 948 | 938 | 948 | 940 | 948 | 936 | 946 | 936 | 944 | 936 | 942 | 935 | 941 | 935 | 942 | 932 | 943 | 935 |
| Weilit: | 969 | 931 | * | * | 967 | 930 | 968 | 929 | 967 | 930 | * | * | 966 | 928 | 967 | 930 | * | * | 975 | 937 | 961 | 927 | 967 | 923 | 969 | 927 |
| Weilaz | 973 | * | 973 | * | 973 | * | 973 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Qeiliz? | 758 | 714 | 762 | 718 | 756 | 696 | 744 | 688 | 738 | 698 | 708 | 652 | 738 | 648 | 704 | 651 | 723 | 670 | 736 | 660 | 666 | 590 | 658 | 579 | 658 | 578 |
| Weilimit | * | * | * | * | * | * | * | * | 518 | 497 | 518 | 497 | 518 | 497 | 518 | 497 | 521 | * | 518 | 497 | 518 | 497 | * | * | 538 | 517 |
| Sibitu <br> Builetecad | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

GENERAL NOTES: Fore notes 1-10, please review previous PWRS.
11 This note pertains to Period 112004 onwards. The levels for wells were audited for accuracy and the following were noted.
Well 1: The air line elevation was changed from 673 feet to 593 feet MSL in November 2000 when the pump was lowered 60 feet. The change in air line elevation was not updated at the time
Well 3: The transducer elevation was changed from 937 feet MSL to. 873.8 feet MSL in December 2001 when repair to the pump occurred. The change in transducer elevation was not recorded in the PWR at that time.
Well 8: While physically measuring the elevation of the transducer, it was found that the transducer elevation is at 890.5 feet MSL instead of 906 feet MSL
Well 9: The air line elevation was changed from 608 feet MSL to 638 feet MSL in October 2003 when the pump was lowered 42 feet. The adjusted air line elevation of 638 feet MSL is erronous.
The correct elevation should be 566 feet MSL.
Well 14: The water levels shown in the report since the well was put in service in April 2004 are manual readings. Initially, MSL was incorrectly calculated. Readings have been recomputed correctly. Transducer is currently being ordered so that chart recorder can be used.

|  |  |  |  |  |  |  |  |  | $\begin{gathered} \text { PERROB5 } \\ \text { H20-5117 } \\ \text { HISH } / \text { LOW } \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maungel (Shiat Mo. 2) | $\cdot$ | - | - | - | - | . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | : | . | - | - |
| Well $\mathrm{No}, 1$ | 741 | 701 | 755 | 683 | 725 | 691 | 735 | 691 | 735 | 891 | 755 | 691 | 736 | 693 | 738 | 693 | 738 | 693 | 735 | 692 | 735 | 688 | 731 | 881 | 731 | 681 |
| Woll No. 2 (shant ${ }^{\text {No. 3) }}$ | - | - | - | . | - | - | - | - | - | . | - | . | - | . | - | - | - | - | - | - | - | . | - | - | - | - |
| WatNo. 3 | 1086 | - | 1067 | - | 1088 | - | 1004 | - | 1064 | - | 1063 | - | 1063 | . | 1064 | - | 1064 | - | 1084 | . | 1064. | - | 1083 | - | 1063 | - |
| Woll No. 4 | 1491 | - | 1492 | - | 1480 | . | 147 | . | 1477 | - | 5480 | . | 1481 | . | 1487 | - | 1487 | - | 1467 | . | 1487 | . | 1467 | . | 1467 |  |
| WetNo. 5 | 1495 | - | 1497 | - | 1496 | - | 1498 | - | 1488 | - | 1495 | - | 1495 | - | 1498 | - | 1486 | - | 1488 | - | 1496 |  | 1498 | - | 1496 | - |
| Woin ${ }^{\text {No. } 6}$ | 952 | 944 | 952 | 246 | 952 | 947 | 952 | 92. | 952 | 943 | 249 | 939 | 249 | 939 | 946 | 936 | 966 | ${ }^{3} 35$ | 932 | 820 | 24 | 934 | 844 | 934 | 246 | 836 |
| Welk No. 8 | 884 | 835 | 968 | 935 | 967 | 935 | 971 | 935 | 974 | 935 | 970 | 933 | 970 | ${ }^{93} 3$ | 968 | 933 | 968 | ${ }^{933}$ | 568 | 933 | 969 | 933 | 870 | 933 | 870 | 933 |
| Woll ${ }^{\text {N }}$. 7 | 974 | - | 975 | - | 974 | - | 973 | . | 973 | - | 973 | - | 973 | . | 873 | . | 973 | - | 973 | . | 973. | . | 973 | . | 973 |  |
| Wer No. 9 | 656 | 612 | 666 | 613 | 658. | 614 | 658 | 616. | 679 | . | 679 | . | 729 | 689 | 699 | 659 | 699 | 859 | 695 | 657 | 702 | 850 | 897 | 650 | - | . |
| Shat 3 Bulkhead | - | - | - | . | . | . | . | . | . | - | . | - | . | . | . | . | . | . | . | . | . | . | . | . | - | - |

GENERAL MOTES:

1. Al water foveles are in foet above mean sea hovoi.
2. -denotes that a wall is nof in service or the water levil data is not avaliable.
3. Starting in the tulded reporting poriod of 1984 , the water kowl for well 9 h based on a surveyed woll head devation of 1412.57 foet (mai). Ah preytousty reported lovels slnce the walrs. Stert-up In Reporting Pariod 7 in 1983 ahould be mejualed downward by 2 a foen.
4. Bulthadd water meloblained by uling benchmark elevition for pump chamber fioor of 1510 foel from SUPPLEMENT GROUND-WATER DEVELOPMENT ON LANAS BY Dr, HTT, SEBrne Decenber 22, 1953

5 Water lovils on watle not In service and whout wator lowel racorders are mansally messured. Thece moserurwertas ere put hit high wovi cotuma

7 Watar fevel for Woll 9 revised in Poriod 8 2003. Witer fowi for wall 9 rovised in Period 112003.

THE ISLAND OF LANA'I

|  |  | 3ndit | (ex |  |  |  |  |  |  |  | (entay |  | (tay |  |  | $\begin{gathered} \\ \begin{array}{c} \text { Mn } \\ \text { How } \\ \hline \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \mathrm{emh} \\ & \mathrm{HmaH} \end{aligned}$ | $0$ | Pe |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\cdots$ | . | . | . | - |  | . | . | . | . | . | - | . | - | . | - | . | - |  |  |  |  |  |  |  |  |
| Wear $\mathrm{NO}_{2} 1$ | 760 | 631 | 780 | 69 | 753 | 693 | 767 | $\infty$ | 733 | cos | 733. | 607 | 733 | 80 | 730 | 99 | 245 | 801 | 757 | $\cos$ | 759 | 687 | 757 | 59 | 757 | 59 |
|  | 1457 | . | 1260 | - | 1400 | - | 1860 | - | 1458 | . | 1.456 | - | 1457 | . | 135 | 1404 | 1454 | 1398 | 1.54 | . | 1454 |  |  |  | 1.554 |  |
| Noun ${ }^{\text {NO }} 3$ | 1051 | . | 1051 | . | 1051 | . | 1058 |  | 102 | . | 1083 | . | 1050 | . | 1089 | 1046 | 1064 | 1005 | 1083 |  | 100 |  | 1065 |  | 1005 |  |
| wesmo. 4 | 1501 | - | 1500 | - | 1492 | - | 1490 |  | 1490 | - | 1493 |  | 1490 | - | 1489 | . | 1485 | . | 1485 |  | 1495 |  | 1487 |  | 1481 |  |
| Wedno. 5 | 14.98 |  | 1516 | . | 1497 | - | 1500 |  | 199 |  | 1498 |  | 14.97 |  | 1497 |  | 14.9 |  | 1499 |  | 1498 |  | 1296 |  | 1498 |  |
| weino. 8 | OSS | 952 | 960 | 950 | Os | 952 | 988 | 950 | 958 | 950 | 958. | 950 | ${ }^{235}$ | 92 | 954 | 246 | 952 | 24 | 95 | 94 | 985 | \% | 952 | 94 | 152 | 48 |
| erso. 2 | 738 | 700 | 720 | 72 | 721 | 700 | 716 | . | 69 | 31 | 670 | 314 | 658 | 628. | 552 | 228 | 680 | 814 | \%62 | 818 | B7 | S14 | ess | 818 | 568 | 62 |
| Weol No. 7 | 976 | . | ${ }^{978}$ | . | 876 |  | 978 |  | 976 |  | 976 |  | 975 |  | 975 |  | 975 |  | 978. | . | 974 |  | 976 |  | 978 |  |
| Wein $\mathrm{No}$, | ${ }_{588}$ | 338 | Ss8 | 138 | 087 | 235 | 267 | 835 | 067 | 83 | 967 | 03 | 970 | 938 | 969 | 837 | 989 | 837 | 89 | 938 | 80 | 935 | 971 | 836 | 972 | ${ }^{206}$ |
| Shror 3 | 1517 | 1517 | 1517 | 1517 | 1517 | 1517 | 1515 | 1515 | 1515 | 1515 | 1515 | 1515 | 1516 | 1556 | 1519 | 1519 | 1519 | 1519 | 518 | 1518 | 1318 | 1518 | 1518 | 1518 | 158 | 1518 |

THE ISLAND OF LANA'I

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | PERAC t234 HUGB |  | $\begin{gathered} \text { PERLOD } \\ 1 / 28.224 \\ \text { HKOH L LOW } \\ \hline \end{gathered}$ |  |  |  | $\begin{aligned} & \text { PRREO } 4 \\ & 3 / 25-421 \\ & \text { HIGH LOW } \\ & \hline \end{aligned}$ |  |  |  |  |  | $\begin{gathered} \text { PEROO } \\ \text { PR17 } 714 \\ \text { H1GH } \\ \text { HOW } \end{gathered}$ |  |  |  |  |  | $\begin{aligned} & \text { PERCOD } 10 \\ & 909.1006 \\ & \text { HKH I LOW } \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & \text { PERIO } 12 \\ & 11 / 24,1201 \\ & \text { WGH } / \text { LOW } \end{aligned}$ |  |  |  |
| Maumbei (Shatt No. 27 | 745 | 735 | 745 | 735 | 74t. | 731 | 741 | 731 | 741 | 731 | 737 | 723 | 731 | 701 | 750 | 700 | 29 | 701 | 335 | 200 | 728 | 710 | 728 | 709 | $\ldots$ | .. |
| Well ${ }^{\text {No. }} 1$ | 781 | 699 | 783 | 891 | 75 | 701. | 775 | 701 | 787 | 673 | 773 | 893 | 757 | ${ }^{689}$ | 73 | . 899 | 73 | 709 | 73 | -95 | 767 | 867 | 769 | 6B4 | 767 | 578 |
|  | 1456 | . | 1459 | . | 1455 | . | 1459 | - | 1459 | . | 1460 | . | 3450 | . | 1460 |  | 1458 |  | 12.59 | . | 1450 |  | 1460 |  | - |  |
| Woll $\mathrm{No}, 3$ | 1059 | 1037 | 1051 | 1037 | 1051 | 1037 | 1047 | 1031 | 1049 | 1023 | 1048 | 1033 | $10 \times 9$ | 1035 | . |  | 1058 |  | 1059 |  | 1056 |  | 1057 | . | 1659 |  |
| Well No. 4 | 1503 | . | 1499 |  | 1499 | . | 1499. | . | 1504 | . | 1504 | . | 1503 | . | 1492 | - | 1192 | . | 1491 |  | 1500 |  | . 1502 |  | 150 |  |
| Well No. 5 | 1499 | . | 1498 | . | 1496 | . | 1498 | . | 1488 | . | 1499 | . | 1990 | - | 1496 | . | 1490 |  | 1496 | . | 1498 |  | 1498 |  | 14.8 |  |
| wear P . 6 | 964 | 956 | 964 | 956. | 954 | 952 | 980 | 55 | 952 | 042 | 956 | 325 | 950 | 339 | 250 | 225 | 848 | 936 | -5s6 | 40 | 954 | 28 | 85 | 948 | 958 | 950 |
| Werl $\mathrm{No}$. | 728 | 682 | 724 | 608 | 712 | 670 | 742 | 680 | 748 | 706 | 38 | 650 | 596 | 682 | 702 | 000 | 700 | 055 | 700 | 648 | sta | 645 | 690 | 650. |  |  |
| weil No .7 | 978 |  | 978 | . | 978 | . | 878 |  | 87 |  | 977 |  | 97 | , | 97 |  | 97 |  | 978 |  | 977 |  | 978 |  | gr |  |
| Heil No .8 | 871 | 839 | 657 | 839 | 857 | 839 | 863 | 833 | 863 | 833 | 870 | 835 | 870 | 837 | 873 | 838 | 870 | 837 | 870 | 838 | 870 | 183 | 870 | 838 | 809 | 337 |
| Shan 3 <br> Butchead | 1521 | 1521 | 1521 | 152 | 1521 | 15. | 1521 | 15 | 1521 | 1521 | 1522 | 1522 | 1523 | 1523 | 1522 | 152 | 1521 | 1521 | 1521. | 15 | 1517 | 1517 | 1517 | 1517 | 1517 | 1517 |

```
GENERAL NOTES: 1. Al woter bovila are in wee wowe mean sol invols.
WELL NOTES:WEll &3 under mpali
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``` Aff proviauty in 1993 should bo aljustod downwwd by 28 loot
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STPPLEMENT GROUNO - WATER DEVELOPMENT OW LANAI by Dr. H.T. Sterrna Decomber 22. 1 D53
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automants ere put in hight levol columo
5. - Frond to Strun 12 insecosillthe.
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THE ISLAND OF LANA'I

## 2000 PERIODIC WATER REPORT

 High and Low Water Levels> GENERAL NOTES: 1. Al water lavels are in feel above mean toa fowits.
> 2. - denotes that a well is not in eemee of the water fevel data is not srailabio.
> 3. Starting tin the thitd roporting perrod of 1924 , the water lovel for wall 9 is bazed on a surweyed woll head wevation of $1412 \mathrm{il7}$ feet (msli).

> 5 Waiter levels on witis noi hn service and wthout weter hevel focorders are mancually measured. These measuramuntse see pul In nigh sovel column


THE ISLAND OF LANA'I
1998 PERIODIC WATER REPORT PERIOD 13,1998 High and Low Water Levels

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Msunneiel (Shat No. 2) | $\cdots$ | - | $\ldots$ | . | - | - | . | $\cdots$ | - | . | - | - | - | - | - | - | - | - | * | - | - | - | - | - | - | - |
| Wes No. 1 | 753 | 675 | 704 | 675 | 691 | 675 | 677 | 875 | ${ }_{676}$ | 675 | 685 | 674 | $4{ }^{683}$ | 874 | 678 | ${ }_{6} 87$ | 685 | 879 | - | - | - | . | . | - | - | . |
| Well No. 2 (Shanh Mo. 3 ) | . | . | - | . | 1515 | . | . | . | - | . | - | - | - | - | $\cdot$ | . | . | . | $\cdot$ | - | . | . | 1374 | 1370 | 1378 | 1322 |
| Newlo 3 | - | . | 1008 | 1007 | 1012 | 990 | . | . | 1013 | 1012 | 1016 | 1012 | 21016 | 1014 | 1015 | 1012 | 1098 | 1014 | 1078 | 1016 | 1018 | 1016 | 1018 | 1016 | 1018 | 81004 |
| Nernio. 4 | . | $\cdot$ | . | - | 1509 | - | - | - | - | - | - | . | - | . | - | . | . | - | - | - | - | - | . | . | . |  |
| Well No. 5 | - | . | . | . | 1409 | . | - | . | - | - | - | - | - | . | - | - | . | $\cdot$ | 1492 | . | - | . | - | . | - | - |
| Wealno. 6 | . | . | - | - | . | . | - | - | - | - | - | - | 986 | 972 | 882 | 97 | 24 | 977 | 882. | 979 | 882 | 974 | 982 | 974 | 900 | 976 |
| weorno. 9 | 812 | 75 | 750 | 864 | 676 | 657 | 800 | 652 | 794 | 742 | 784 | 738 | 8.782 | 73. | 750 | 734 | - | - | 788. | 731 | 732 | 722 | 732 | 722 | 772 | 722 |
| well No.? | . | . | . | - | 864 | - | $\square$ | - | . | . | . | . | . | . | - | . | 1. | - | . | $\square$ | $\cdots$ | . | - | . | - | . |
| Nello. 8 | 805 | ${ }^{654}$ | gas | ${ }_{85}{ }^{2}$ | 885 | 853, | 884 | 052 | 884 | 853 | 288 | 852 | $2{ }^{2} 1$ | 804 | - 883 | 851 | 862 | eso | 862 | 850 | $0{ }^{8881}$ | 649 | $9{ }^{-839}$ | 889 | 9818 | 1.8 |
| Shat 3 ${ }_{\text {S }}$ | ... | $\cdots$ | $\cdots$ | $\cdots$ |  | $\ldots$ | -.. | $\ldots$ | $\ldots$ | ... | - | $\cdots$ | - | $\ldots$ | .- | $\cdots$ | - $\quad$ - | - | .... | $\cdots$ | -... | 1... | $\cdots$ | $\ldots$ | $\cdots$ | - |

aENERAL HOTES:
Alt wataf hovels ete in foet above mest senl levela.

3. Starting in the tird raportring pestod of teen, the water fowel for well 9 is based on a surreyed well heed aievation of 1442.87 foll (msil). Al previousily reported levelas since the weils startesp in Roppothong Parted 7 in 1933 should be edusted downward by 27 fort

5. Whter levalts tor Period 3 ar Wells 4,5 , and 7 messured whith an electric sounder on Aprll1, 1see
6. Water for pertiod 10 at wolls 3 and 5 was massurad with an alecticic sounder on October 2na, 1938.

THE ISLAND OF LANA'I 1997 PERIODIC WATER REPORT High and Low Water Levels

|  |  |  |  |  |  |  |  |  |  |  | $\begin{gathered} \text { PERCD } \\ \text { WHE-N14 } \\ \text { HOH } \\ \hline \end{gathered}$ |  |  |  | PERO <br> $7 H 3-20$ <br> HaH |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Maunole (Shat No. 2) | - | - | - | $\cdots$ | - | * | $\cdots$ | - | * | $\cdots$ | $\cdots$ | - | - | - | - | $\cdots$ | - | - | - | - | * | - | * | - | $\cdots$ | $\cdots$ |
| Nol No. 1. | 787 | 743 | - | - | - | - | - | - | - | - | - | . | - | - | - | - | . | - | - | - | * | - | - | - | 677 | 678 |
| Wheno. 2 (Shat Mo. 3 ) | 1382 | 1370 | 1388. | 1372 | 1362 | 1372 | 4305 | 1360 | 1300 | 1374 | 1306 | 1332 | 4380. | 1374 | 1384 | 1356: | 1414. | 1350 | 1418 | 3410 | 1420 | 1410 | 1418 | 1412 | - | . |
| No. 3 | - | - | - | - | - | * | - | - | - | - | 988 | 80 | 98. | 908 | cos | se2, | 007 | ges | 1000 | 00\% | 1002 | 1000 | 1004 | 1002 | 1453. | 1450 |
| W-NO. 4 | 1504 | 1474 | 1482 | 1474 | . | - | - | - | - | - | - | - | - | - | - | - | - | * | - | . | - | - | - | * | * | . |
| \%uar No. 5 | - | . | - | . | - | . | - | - | - | . | - | - | - | - | - | - | . | $\cdots$ | - | - | - | - | - | . | - | - |
| Neno. 6 | 1000. | 092 | 1000 | 208 | 1092 | 881 | 999 | 590 | 907 | 80. | 907 | 969 | 998 | 987 | 905 | 807 | 091 | 885 | 1007 | 205 | geel | 203 | $\cdots$ | - | - | - |
| Wel No. 8 | 750 | 704 | 750. | 700 | 008 | Os3. | 736 | 082 | 730 | 679: | 744 | 687 | 808 | 80, | 733 | 67 | 735 | 65. | 720 | 000 | 740 | 730 | 804 | 782 | 814. | 782 |
| Wol No. 7 | . | . | - | . | - | . | . | . | . | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | . |
| Wean $\mathrm{NO}_{6} 8$ | 891 | 84 | 800 | 800 | 800 | 920. | 8001 | 850 | 800 | 050 | 003 | ${ }_{5050}$ | soes | 657 | 888 | -8808 | 84 | soel | 885 | Ss, | 867 | 858. | -808 | 885 | 208 | 85 |
|  | $\cdots$ | $\cdots$ | $\pm$ | $\cdots$ | - | $\cdots$ | $\sim$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\ldots$ ] | $=$ | $\cdots$ | $\cdots$ | - | $\cdots$ | - | $\cdots$ | $\cdots$ | - | $\ldots$ | $\ldots$ | $\underline{m}$ | $\cdots$ | m |

THE ISLAND OF LANA'I
1996 PERIODIC WATER REPORT

|  |  |  |  | $\begin{aligned} & 282 \\ & 2224 \\ & \text { Low } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { peno } \\ \text { Hins } \\ \hline \end{gathered}$ |  |  |  |  | $\begin{aligned} & 6 \mathrm{~s} \\ & \substack{31 \\ \text { cow } \\ \hline} \end{aligned}$ |  | $\begin{aligned} & 06 \\ & \begin{array}{c} 015 \\ \text { How } \\ \hline \end{array} \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \text { or }{ }^{7 n} \\ & \hline \text { now } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Penio } \\ \text { Hation } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { ool } \\ & \begin{array}{c} \text { Hen } \\ \text { Low } \end{array} \\ & \hline \end{aligned}$ |  |  |  | TD05 Low |  |  |  | $\begin{aligned} & 12120 \\ & \hline 100 \\ & \hline 102 \end{aligned}$ | $\begin{aligned} & \text { fen } \\ & \text { fen } \\ & \text { man } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Menerecia (Sman $\mathrm{NO}_{0}$ | - | $\cdots$ | . | . | - | * | . | . | . | . | . | . | $\cdots$ | . | - | . | - | . | . | - | . | . | . |  | . |  |
| Now No. 1 | 7 | 75 | 776 | 21 | 75 | 705 | 75 | cos | 72 | 691 | 719 | 887 | 724 | 880 | 72 | es 1 | 73 | 673 | 734 | cas | 750 | 17 | 750 | 665 | 787 | 863 |
| Weer Ma. 21 Sbern | 1396 | 1362 | 1406 | 1361 | ${ }^{2} 5$ | 1338 | 1205 | 1362 | 1292 | 1380 | 1302 | 1370 | 1332 | 1370 | 1384 | 1351 | 138 | 1374 | 1354 | 1378 | 1332 | 378 | * | 1378 | 4 2 | 334 |
| werno. 9 | 1000 | 923 | 1000 | 87 | 1000 | 985 | 978 | 934 | 98 | 917 | ${ }^{97}$ | 94 | 980 | 924 | ser | 234 | sts | 228 | 97 | 8 |  |  |  |  |  |  |
| vo. 4 | $\cdots$ | . | $\because$ | $\cdots$ | . | - | . | $\cdots$ | . | $=$ | 556 | 153 | 1359 | 157 | - | . |  |  | 1537 | 1592 | 1533 | 54 | 1500 | 158 | 1505 | 1558 |
| werna. 5 | . | . | . | . | . |  | . | . | . |  | . | - | - | . |  | . |  |  | - | . |  |  |  |  |  |  |
| werno. 6 | 1010 | 1008 | 1009 | 1002 | 1007 | 999 | 291 | 97 | 922 | 990 | 992 | 990 | 992 | 950 | 94 | 801 | 9 | 200 | 98 | 2ea | Ssa | 90 | ${ }^{935}$ | 200 | 929 | $\infty$ |
| Wento 1 | 762 | 717 | 76. | 714 | 766 | 78 | 2 E | 688 | 768 | 690 | 74 | 705 | 758 | 200 | 730 | 09 | 750 | 62 | 747 | 203 | 746 | 702 | 751 | 699 | 251 | 708 |
| wearne. 7 | . | . | . | . | - | - | - | . |  | . | - | - |  |  |  |  |  | - |  |  |  |  |  |  |  |  |
| N0. 3 |  | . | . | . | s3, | cos | 396 | ess | 893 | Ost | 802 | ose | 092 | Oss | 403 | 30 | 183 | 863 | ${ }^{69}$ | 881 | \$27 | 50 | 692 | 50 | 09 | 850 |
|  |  | 1511.4 | ... | ... | ... | ... | ... | ... | .. | $\cdots$ | .- | $\ldots$ | ... | ... | .-- | -- | .. | ... | ... | ..- | ... | ... | ... |  | ..- |  |

general notes:

WELL NDTES: "M Mennibes mind Wan ta powat oft to well anell
-"Buthened prossuma xne bloctated.

general notes:

1. All water tovela aro in feel above moan ame tevole.

PERIOD 10 NOTEE: -- maunalel and Wall os power off to wall ares.
2. - danotat that a well in nat in servica or the watof tovel data it not avileble.


 All provioulty repored leveis shince the wetr's watr-up in fiopoting Period?




LANAI WATER COMPANY
1994 PERIODIC WATER REPORT High and Low Water Levels


GENEGSL NOTES: 1. Alt water levels are in feat above mean soa levels
2. * denoles that a well ts not in servica or the water lovel data is not avaliable.

Starting in the thikd feporting period of $\mathbf{8 9 9 4}$, the water fevel for well 9 is besed on a surveyed wall haned sloverion of 1412.87 foent (insl). AK proviluuly reported fevels since the welf asturt-up in Reporting Period 7 in 1993 ahould be edjuated downward by 28 feet.
4. Bulkhead water level obtainod by using benchmark elevation for pump chamber thoor of 1510 foot from

$$
\begin{aligned}
& \text { Prinking whter uells } \\
& 460 \text { feet }
\end{aligned}
$$

LANAI WATER COMPANY 1993 PERIODIC WATER REPORT

High and Low Water Levels


All Elevations are in Faot Above Moan sea Level

* well not in service or data not ayailable

Well 6 and Well 9 alritine installed with chart reacing pai and corweted into feet. (Pror to period 日)
an Previous low shom at will "1 due to MECC transtormer out of service.
Current high isvel reading made using portable generator.

## LANAI WATER COMPANY 1992 PERIODIC WATER REPORT High and Low Water Levels



Alt Elevations are in Feet Above Moan Sen Leval

* well not in seryice or data not availabie
(1) Well level manualy gauged at end $\alpha$ period. Water level at pump instatiation was 1005 '.

Well 2 under repalr no data icx perlod 5 .
Well 4 airltne broken no data.
-Well 6 dita not avaidable wirinte la being ingtalled for period is.


All Elovations wre in Feot Above Mean Sea Lovel

* well notin sebvice or data not available

