

Table 1. Summary of synoptic survey to determine municipal ground-water production and mean daily volume-weighted chloride concentration at municipal well fields, Saipan, October 1998.

[Mgal/d, million gallons per day; mg/L, milligrams per liter; --, not applicable]

| Well field location | Well field name | Number of pumped wells | Pumpage ¹ (Mgal/d) | Mean daily volume-weighted chloride concentration ² (mg/L) |
|---|--------------------------------------|------------------------|-------------------------------|---|
| Southern Saipan | Isley Field | 35 | 2.53 | 849 |
| | Obyan | 13 | 0.91 | 296 |
| | Koblerville | 20 | 2.13 | 1,425 |
| | Dan Dan | 6 | 0.41 | 710 |
| | San Vicente | 4 | 0.31 | 1,116 |
| | Chalan Kiya | 2 | 0.12 | 1,990 |
| Subtotal | | 80 | 6.41 | -- |
| Mean daily volume-weighted chloride-concentration value for all southern Saipan well fields | | | | 985 |
| Central Saipan | Kagman | 15 | 1.07 | 1,017 |
| | Sablan Quarry | 11 | 0.84 | 557 |
| | Akgak | 6 | 0.56 | 63 |
| | Capital Hill | 3 | 0.38 | 63 |
| | Calhoun (Navy Hill) | 2 | 0.35 | 1,421 |
| | Maui IV area | 3 | 0.29 | 2,853 |
| | Puerto Rico | 2 | 0.18 | 2,300 |
| | Gualo Rai | 2 | 0.09 | 1,074 |
| | Donni Springs | -- | 0.36 | 73 |
| Subtotal | | 44 | 4.12 | -- |
| Mean daily volume-weighted chloride-concentration value for all central Saipan well fields | | | | 843 |
| Northern Saipan | Marpi Quarry (As Matuis) | 3 | 0.40 | 2,044 |
| | Tanapag I and II and Achugao Springs | -- | 0.22 | 91 |
| | Subtotal | 3 | 0.62 | -- |
| Mean daily volume-weighted chloride-concentration value for all northern Saipan well fields | | | | 1,343 |
| Total | | 127 | 11.15 | -- |
| Mean daily volume-weighted chloride-concentration value for all Saipan well fields | | | | 953 |

¹Daily well-field production determined by multiplying the cumulative well discharge in gallons per minute by 1,440 minutes/day; the method is considered reasonable because all wells are operated continuously.

²Calculated with chloride and pumpage data from Commonwealth Utilities Corporation.