## 103087885 LEVIATHAN CREEK CHANNEL UNDERDRAIN NEAR MARKLEEVILLE, CA

LOCATION.—Lat 38°42'34", long 119°39'41", in SE ¼ SW ¼ sec.15, T.10 N., R.21 E., Alpine County, Hydrologic Unit 16050201, 2.9 mi north of State Highway 89, and 6.5 mi east of Markleeville.

PERIOD OF RECORD.—November 1999 to current year.

GAGE.—Water-stage recorder. Elevation of gage is 6,800 ft above NGVD of 1929, from topographic map.

REMARKS.—Records fair. Days that indicate no flow are days when all flow is being pumped to Leviathan Mine Pond 4 (station 103087887) for treatment.

EXTREMES FOR PERIOD OF RECORD.—Maximum daily discharge, 0.09 $ft^3/s$, Apr. 20, 21, 2000; no flow on many days in most years.

EXTREMES FOR CURRENT YEAR.—Maximum daily discharge, 0.0745 $ft^3/s$, Apr. 28; no flow on many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0249 | 0.0299 | 0.0322 | 0.0326 | 0.0328 | 0.0446 | 0.0580 | 0.0740 | 0.0221 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 0.0375 | 0.0301 | 0.0318 | 0.0326 | 0.0304 | 0.0469 | 0.0590 | e0.0740 | 0.0036 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 0.0367 | 0.0304 | 0.0313 | 0.0329 | 0.0312 | 0.0473 | 0.0597 | e0.0740 | 0.0038 | 0.0000 | 0.0000 | 0.0000 |
| 4 | 0.0350 | 0.0303 | 0.0310 | 0.0330 | 0.0315 | 0.0483 | 0.0612 | e0.0730 | 0.0033 | 0.0000 | 0.0000 | 0.0000 |
| 5 | 0.0337 | 0.0298 | 0.0313 | 0.0330 | 0.0329 | e0.0460 | 0.0630 | e0.0730 | 0.0033 | 0.0000 | 0.0000 | 0.0000 |
| 6 | 0.0329 | 0.0296 | 0.0316 | 0.0330 | e0.0325 | 0.0441 | 0.0644 | 0.0730 | 0.0030 | 0.0000 | 0.0000 | 0.0000 |
| 7 | 0.0321 | 0.0285 | 0.0326 | 0.0334 | e0.0325 | 0.0446 | 0.0650 | 0.0679 | 0.0023 | 0.0000 | 0.0000 | 0.0000 |
| 8 | 0.0317 | 0.0288 | 0.0322 | 0.0382 | e0.0325 | 0.0450 | 0.0654 | 0.0637 | 0.0007 | 0.0000 | 0.0000 | 0.0000 |
| 9 | 0.0332 | 0.0285 | 0.0330 | 0.0396 | e0.0325 | 0.0455 | 0.0670 | 0.0615 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 10 | 0.0348 | 0.0287 | 0.0328 | 0.0368 | e0.0325 | 0.0456 | 0.0701 | 0.0613 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 11 | 0.0340 | 0.0290 | 0.0342 | 0.0369 | e0.0325 | 0.0441 | 0.0715 | 0.0595 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 12 | 0.0353 | 0.0293 | 0.0338 | 0.0364 | e0.0325 | 0.0425 | e0.0712 | 0.0704 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 13 | 0.0336 | 0.0295 | 0.0332 | 0.0359 | e0.0325 | 0.0427 | e0.0712 | 0.0568 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 14 | 0.0342 | 0.0297 | 0.0332 | 0.0354 | 0.0323 | 0.0413 | 0.0709 | 0.0511 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 15 | 0.0345 | 0.0300 | 0.0360 | 0.0349 | 0.0326 | 0.0394 | 0.0711 | 0.0492 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 0.0341 | 0.0302 | 0.0354 | 0.0344 | 0.0327 | 0.0398 | 0.0712 | 0.0545 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 0.0338 | 0.0306 | 0.0338 | 0.0340 | 0.0324 | 0.0400 | 0.0708 | 0.0492 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 18 | 0.0339 | 0.0308 | 0.0309 | 0.0335 | 0.0334 | 0.0401 | 0.0708 | 0.0517 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 19 | 0.0341 | 0.0328 | 0.0303 | 0.0345 | 0.0337 | 0.0394 | 0.0710 | 0.0412 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 20 | 0.0341 | 0.0357 | 0.0308 | 0.0346 | 0.0341 | 0.0387 | 0.0714 | 0.0393 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 21 | 0.0341 | 0.0351 | 0.0314 | 0.0353 | 0.0343 | 0.0480 | 0.0710 | e0.0390 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 22 | 0.0345 | 0.0333 | 0.0315 | 0.0349 | 0.0346 | 0.0513 | 0.0706 | e0.0370 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 23 | 0.0347 | 0.0328 | 0.0317 | 0.0347 | 0.0349 | 0.0537 | 0.0709 | e0.0370 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 24 | 0.0337 | 0.0325 | 0.0313 | 0.0351 | 0.0357 | 0.0509 | 0.0711 | e0.0350 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 25 | 0.0327 | 0.0341 | 0.0319 | 0.0354 | 0.0376 | 0.0527 | 0.0712 | e0.0330 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 26 | 0.0329 | 0.0349 | 0.0319 | 0.0344 | 0.0369 | 0.0523 | 0.0715 | e0.0310 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 27 | 0.0335 | 0.0344 | 0.0322 | 0.0345 | 0.0402 | 0.0523 | 0.0735 | e0.0290 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 28 | 0.0346 | 0.0338 | 0.0323 | 0.0338 | 0.0410 | 0.0526 | 0.0745 | 0.0291 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 29 | 0.0356 | 0.0332 | 0.0323 | 0.0327 | 0.0416 | 0.0536 | 0.0725 | 0.0257 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 30 | 0.0334 | 0.0327 | 0.0324 | 0.0312 | --- | 0.0545 | 0.0724 | 0.0554 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 31 | 0.0302 | --- | 0.0326 | 0.0320 | --- | 0.0561 | --- | 0.0538 | --- | 0.0000 | 0.0000 | --- |
| TOTAL | 1.0440 | 0.9390 | 1.0029 | 1.0696 | 0.9868 | 1.4439 | 2.0631 | 1.6233 | 0.0421 | 0.0000 | 0.0000 | 0.0000 |
| MEAN | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.05 | 0.07 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| MAX | 0.0375 | 0.0357 | 0.0360 | 0.0396 | 0.0416 | 0.0561 | 0.0745 | 0.0740 | 0.0221 | 0.0000 | 0.0000 | 0.0000 |
| MIN | 0.0249 | 0.0285 | 0.0303 | 0.0312 | 0.0304 | 0.0387 | 0.0580 | 0.0257 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| AC-FT | 2.1 | 1.9 | 2.0 | 2.1 | 2.0 | 2.9 | 4.1 | 3.2 | 0.08 | 0.00 | 0.00 | 0.00 |

e Estimated.