

Table N-5. Summary of Mono County PM₁₅ Samples Collected by UC Davis Researchers

| Sampling Period | Sampling Station Location | Number of Days Sampled | | Mean PM _{xx} Concentration (Fg/m ³) by Size Fraction | | |
|-----------------|---------------------------|------------------------|----------|---|-----------|------------------------|
| | | Filter 2 | Filter 1 | Below 2.5 Fm | 2.5-15 Fm | Total PM ₁₅ |
| 05/13-05/19/80 | Bridgeport | 0 | 0 | ND | ND | ND |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 6 | 6 | 4.3 | 5.1 | 9.4 |
| | Lee Vining | 6 | 6 | 4.9 | 4.6 | 9.5 |
| | Benton | 6 | 6 | 3.0 | 10.3 | 13.3 |
| 05/19-05/26/80 | Bridgeport | 7 | 7 | 8.9 | 4.7 | 13.6 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 7 | 7 | 4.2 | 7.4 | 11.6 |
| | Lee Vining | 7 | 7 | 5.1 | 3.0 | 8.1 |
| | Benton | 7 | 7 | 6.1 | 16.2 | 22.3 |
| 05/26-06/02-80 | Bridgeport | 7 | 7 | 7.0 | 8.4 | 15.4 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 7 | 7 | 7.6 | 7.5 | 15.1 |
| | Lee Vining | 7 | 7 | 7.1 | 38.3 | 45.4 |
| | Benton | 7 | 7 | 4.7 | 18.8 | 23.5 |
| 06/02-06/09-80 | Bridgeport | 7 | 7 | 5.1 | 10.9 | 16.0 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 7 | 7 | 4.1 | 26.2 | 30.3 |
| | Lee Vining | 7 | 7 | 2.1 | 71.6 | 73.7 |
| | Benton | 7 | 7 | 4.3 | 21.6 | 25.9 |
| 06/09-06/16/80 | Bridgeport | 7 | 7 | 4.4 | 14.0 | 18.4 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 7 | 7 | 3.7 | 30.6 | 34.3 |
| | Lee Vining | 7 | 7 | 3.6 | 28.7 | 32.3 |
| | Benton | 7 | 7 | 4.4 | 12.5 | 16.9 |
| 06/19-06/23/80 | Bridgeport | 4 | 4 | 9.0 | 25.3 | 34.3 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 4 | 4 | 5.8 | 19.5 | 25.3 |
| | Lee Vining | 4 | 4 | 4.8 | 28.9 | 33.7 |
| | Benton | 4 | 4 | 4.8 | 32.6 | 37.4 |
| 06/23-06/30/80 | Bridgeport | 7 | 7 | 5.2 | 23.1 | 28.3 |
| | Bodie | ND | ND | ND | ND | ND |
| | Hansen | 7 | 7 | 4.2 | 22.3 | 26.5 |
| | Lee Vining | 7 | 7 | 4.7 | 22.8 | 27.5 |
| | Benton | 7 | 7 | 4.5 | 46.5 | 51.0 |
| 06/30-07/07/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 4.4 | 17.6 | 22.0 |
| | Hansen | 7 | 7 | 4.2 | 14.9 | 19.1 |
| | Lee Vining | 7 | 7 | 4.7 | 18.9 | 23.6 |
| | Benton | 7 | 7 | 8.1 | 28.0 | 36.1 |
| 07/07-07/15/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 8 | 8 | 3.9 | 18.3 | 22.2 |
| | Hansen | 8 | 8 | 6.1 | 30.5 | 36.6 |
| | Lee Vining | 8 | 8 | 3.7 | 19.5 | 23.2 |
| | Benton | 8 | 8 | 4.7 | 62.5 | 67.2 |
| 07/15-07/21/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 0 | 0 | ND | ND | ND |
| | Hansen | 6 | 6 | 4.4 | 19.2 | 23.6 |
| | Lee Vining | 6 | 6 | 4.6 | 19.6 | 24.2 |
| | Benton | 6 | 6 | 4.5 | 50.8 | 55.3 |

Table N-5. Continued

| Sampling Period | Sampling Station Location | Number of Days Sampled | | Mean PM _{xx} Concentration (Fg/m ³) by Size Fraction | | |
|-----------------|---------------------------|------------------------|----------|---|-----------|------------------------|
| | | Filter 2 | Filter 1 | Below 2.5 Fm | 2.5-15 Fm | Total PM ₁₅ |
| 07/21-07/28/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 6.2 | 40.6 | 46.8 |
| | Hansen | 7 | 7 | 8.3 | 17.0 | 25.3 |
| | Lee Vining | 7 | 7 | 7.5 | 33.9 | 41.4 |
| | Benton | 7 | 7 | 6.6 | 40.8 | 47.4 |
| 07/28-08/04/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 6.9 | 46.7 | 53.6 |
| | Hansen | 7 | 7 | 7.4 | 14.9 | 22.3 |
| | Lee Vining | 7 | 7 | 6.7 | 19.2 | 25.9 |
| | Benton | 7 | 7 | 6.3 | 17.9 | 24.2 |
| 08/05-08/11/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 6 | 6 | 4.2 | 54.6 | 58.8 |
| | Hansen | 6 | 6 | 5.1 | 14.1 | 19.2 |
| | Lee Vining | 6 | 6 | 5.0 | 24.6 | 29.6 |
| | Benton | 6 | 6 | 3.8 | 28.4 | 32.2 |
| 08/11-08/19/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 0 | 0 | TWD | TWD | TWD |
| | Hansen | 0 | 0 | TWD | TWD | TWD |
| | Lee Vining | 8 | 8 | 7.7 | 27.5 | 35.2 |
| | Benton | 0 | 0 | TWD | TWD | TWD |
| 08/19-08/25/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 0 | 0 | TWD | TWD | TWD |
| | Hansen | 0 | 0 | TWD | TWD | TWD |
| | Lee Vining | 6 | 6 | 7.3 | 26.6 | 33.9 |
| | Benton | 0 | 0 | TWD | TWD | TWD |
| 08/11-08/25/80 | Bodie | 14 | 14 | 4.3 | 47.4 | 51.7 |
| | Hansen | 14 | 14 | 13.9 | 25.3 | 39.2 |
| | Benton | 14 | 14 | 4.8 | 31.1 | 35.9 |
| 08/25-09/01/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 4.2 | 34.9 | 39.1 |
| | Hansen | 0 | 0 | FWD | FWD | FWD |
| | Lee Vining | 0 | 0 | ND | ND | ND |
| | Benton | 7 | 7 | 3.1 | 16.2 | 19.3 |
| 09/02-09/08/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 6 | 6 | 9.0 | 47.8 | 56.8 |
| | Hansen | 0 | 0 | FWD | FWD | FWD |
| | Lee Vining | 0 | 0 | ND | ND | ND |
| | Benton | 6 | 6 | 7.1 | 65.4 | 72.5 |
| 09/08-09/15/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 13.7 | 54.7 | 68.4 |
| | Hansen | 0 | 0 | FWD | FWD | FWD |
| | Lee Vining | 0 | 0 | ND | ND | ND |
| | Benton | 7 | 7 | 3.7 | 20.3 | 24.0 |
| 09/15-09/22/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 4.2 | 20.5 | 24.7 |
| | Hansen | 0 | 0 | FWD | FWD | FWD |
| | Lee Vining | 7 | 7 | 3.4 | 12.8 | 16.2 |
| | Benton | 7 | 7 | 1.5 | 20.1 | 21.6 |

Table N-5. Continued

| Sampling Period | Sampling Station Location | Number of Days Sampled | | Mean PM _{xx} Concentration (Fg/m ³) by Size Fraction | | |
|--|---------------------------|------------------------|----------|---|-----------|------------------------|
| | | Filter 2 | Filter 1 | Below 2.5 Fm | 2.5-15 Fm | Total PM ₁₅ |
| 09/22-09/29/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 4.1 | 24.0 | 28.1 |
| | Hansen | 0 | 0 | FWD | FWD | FWD |
| | Lee Vining | 7 | 7 | 5.0 | 21.1 | 26.1 |
| | Benton | 7 | 7 | 5.0 | 21.6 | 26.6 |
| 08/25-09/29/80 | Hansen | 34 | 34 | 9.2 | 18.8 | 28.0 |
| 09/30-10/06/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 0 | 0 | ND | ND | ND |
| | Hansen | 6 | ND | 5.0 | ND | ND |
| | Lee Vining | 6 | 6 | 6.6 | 36.8 | 43.4 |
| | Benton | 6 | 6 | 5.6 | 16.7 | 22.3 |
| 10/07-10/13/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 6 | 6 | 9.1 | 58.8 | 67.9 |
| | Hansen | 6 | ND | 19.9 | ND | ND |
| | Lee Vining | 6 | 6 | 8.0 | 28.5 | 36.5 |
| | Benton | 6 | 6 | 6.2 | 21.9 | 28.1 |
| 10/13-10/21/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 1.9 | 9.2 | 11.1 |
| | Hansen | 7 | ND | 2.4 | ND | ND |
| | Lee Vining | 7 | 7 | 5.6 | 10.1 | 15.7 |
| | Benton | 7 | 7 | 3.5 | 11.8 | 15.3 |
| 10/21-10/28/80 | Bridgeport | ND | ND | ND | ND | ND |
| | Bodie | 7 | 7 | 6.6 | 23.5 | 30.1 |
| | Hansen | 7 | ND | 4.8 | ND | ND |
| | Lee Vining | 7 | 7 | 8.3 | 14.8 | 23.1 |
| | Benton | 7 | 7 | 4.2 | 26.9 | 31.1 |
| All weekly samples | Bridgeport | 39 | 39 | 6.4 | 13.6 | 20.0 |
| 05/13-10/28/80 | Bodie | 103 | 103 | 5.7 | 35.7 | 41.5 |
| | Hansen | 160 | 134 | 7.3 | 18.9 | 21.9 |
| | Lee Vining | 140 | 140 | 5.5 | 24.3 | 29.8 |
| | Benton | 160 | 160 | 4.8 | 27.9 | 32.7 |
| Weeks when Bridgeport plus three stations operated | Bridgeport | 39 | 39 | 6.4 | 13.6 | 20.0 |
| | Hansen | 39 | 39 | 4.9 | 18.9 | 23.7 |
| | Lee Vining | 39 | 39 | 4.5 | 32.5 | 37.0 |
| | Benton | 39 | 39 | 4.8 | 24.1 | 28.9 |
| Weeks when Bodie plus three stations operated | Bodie | 35 | 35 | 5.1 | 34.5 | 39.6 |
| | Hansen | 35 | 35 | 6.2 | 18.7 | 25.0 |
| | Lee Vining | 35 | 35 | 5.5 | 23.1 | 28.6 |
| | Benton | 35 | 35 | 5.9 | 36.5 | 42.4 |

Notes: Filter 2 collected fine particles passing through Filter 1 (aerodynamic cutpoint diameter of 2.5 microns).

Filter 1 collected particles passing through inlet (aerodynamic cutpoint diameter of 15 microns) but had a pore size (aerodynamic cutpoint diameter of 2.5 microns) allowing fine particles to pass to Filter 2.

FWD = 5 week data, summarized in separate table entries.

TWD = 2 week data, summarized in separate table entries.

ND = no data.

Source: Kusko et al. 1981.