

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.