Table E.1.1 Maximum Modeled NO_2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.049	0.1[1]	2.5	3.4	3.45	100	100
		Fitzpatrick WA	0.0040	0.1[1]	2.5	3.4	3.40	100	100
		Grand Teton NP	0.0027	0.1[1]	2.5	3.4	3.40	100	100
		Popo Agie WA	0.015	1.0	25.0	3.4	3.42	100	100
		Teton WA	0.0014	0.1[1]	2.5	3.4	3.40	100	100
		Washakie WA	0.0012	0.1[1]	2.5	3.4	3.40	100	100
		Wind River RA	0.0065	1.0	25.0	3.4	3.41	100	100
		Yellowstone NP	0.0009	0.1[1]	2.5	3.4	3.40	100	100

[1] Proposed Class I significance level, *Federal Register* /Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table E.1.2 Maximum Modeled Cumulative NO_2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	Bridger WA	0.33	2.5	3.4	3.73	100	100
		Fitzpatrick WA	0.035	2.5	3.4	3.43	100	100
		Grand Teton NP	0.045	2.5	3.4	3.44	100	100
		Popo Agie WA	0.085	25.0	3.4	3.49	100	100
		Teton WA	0.016	2.5	3.4	3.42	100	100
		Washakie WA	0.017	2.5	3.4	3.42	100	100
		Wind River RA	0.050	25.0	3.4	3.45	100	100
		Yellowstone NP	0.010	2.5	3.4	3.41	100	100

Table E.2.1 Maximum Modeled SO_2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.004	0.1[1]	2	9.0	9.00	60	80
		Fitzpatrick WA	0.001	0.1[1]	2	9.0	9.00	60	80
		Grand Teton NP	0.0004	0.1[1]	2	9.0	9.00	60	80
		Popo Agie WA	0.002	1.0	20	9.0	9.00	60	80
		Teton WA	0.0002	0.1[1]	2	9.0	9.00	60	80
		Washakie WA	0.0003	0.1[1]	2	9.0	9.00	60	80
		Wind River RA	0.001	1.0	20	9.0	9.00	60	80
		Yellowstone NP	0.0001	0.1[1]	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.064	0.2[1]	5	43.0	43.1	260	365
		Fitzpatrick WA	0.015	0.2[1]	5	43.0	43.0	260	365
		Grand Teton NP	0.011	0.2[1]	5	43.0	43.0	260	365
		Popo Agie WA	0.018	5.0	91	43.0	43.0	260	365
		Teton WA	0.007	0.2[1]	5	43.0	43.0	260	365
		Washakie WA	0.005	0.2[1]	5	43.0	43.0	260	365
		Wind River RA	0.015	5.0	91	43.0	43.0	260	365
		Yellowstone NP	0.006	0.2[1]	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.224	1.0[1]	25	132.0	132.2	1,300	1,300
		Fitzpatrick WA	0.066	1.0[1]	25	132.0	132.1	1,300	1,300
		Grand Teton NP	0.037	1.0[1]	25	132.0	132.0	1,300	1,300
		Popo Agie WA	0.081	25.0	512	132.0	132.1	1,300	1,300
		Teton WA	0.019	1.0[1]	25	132.0	132.0	1,300	1,300
		Washakie WA	0.018	1.0[1]	25	132.0	132.0	1,300	1,300
		Wind River RA	0.048	25.0	512	132.0	132.0	1,300	1,300
		Yellowstone NP	0.015	1.0[1]	25	132.0	132.0	1,300	1,300

[1] Proposed Class I significance level, *Federal Register* /Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table E.2.2 Maximum Modeled Cumulative SO_2 Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
SO_2	Annual	Bridger WA	0.014	2	9.0	9.01	60	80
		Fitzpatrick WA	0.001	2	9.0	9.00	60	80
		Grand Teton NP	0.008	2	9.0	9.01	60	80
		Popo Agie WA	0.002	20	9.0	9.00	60	80
		Teton WA	0.003	2	9.0	9.00	60	80
		Washakie WA	0.001	2	9.0	9.00	60	80
		Wind River RA	0.002	20	9.0	9.00	60	80
		Yellowstone NP	0.002	2	9.0	9.00	60	80
SO_2	24-hr	Bridger WA	0.210	5	43.0	43.2	260	365
		Fitzpatrick WA	0.064	5	43.0	43.1	260	365
		Grand Teton NP	0.093	5	43.0	43.1	260	365
		Popo Agie WA	0.047	91	43.0	43.0	260	365
		Teton WA	0.029	5	43.0	43.0	260	365
		Washakie WA	0.019	5	43.0	43.0	260	365
		Wind River RA	0.056	91	43.0	43.1	260	365
		Yellowstone NP	0.024	5	43.0	43.0	260	365
SO_2	3-hr	Bridger WA	0.847	25	132.0	132.8	1,300	1,300
		Fitzpatrick WA	0.249	25	132.0	132.2	1,300	1,300
		Grand Teton NP	0.354	25	132.0	132.4	1,300	1,300
		Popo Agie WA	0.204	512	132.0	132.2	1,300	1,300
		Teton WA	0.093	25	132.0	132.1	1,300	1,300
		Washakie WA	0.076	25	132.0	132.1	1,300	1,300
		Wind River RA	0.230	512	132.0	132.2	1,300	1,300
		Yellowstone NP	0.096	25	132.0	132.1	1,300	1,300

Table E.3.1 Maximum Modeled PM_{10} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Significance Level ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.047	0.2[1]	4	16.0	16.05	50	50
		Fitzpatrick WA	0.010	0.2[1]	4	16.0	16.01	50	50
		Grand Teton NP	0.007	0.2[1]	4	16.0	16.01	50	50
		Popo Agie WA	0.022	1.0	17	16.0	16.02	50	50
		Teton WA	0.0044	0.2[1]	4	16.0	16.00	50	50
		Washakie WA	0.0042	0.2[1]	4	16.0	16.00	50	50
		Wind River RA	0.013	1.0	17	16.0	16.01	50	50
		Yellowstone NP	0.0029	0.2[1]	4	16.0	16.00	50	50
PM_{10}	24- hr	Bridger WA	0.96	0.3[1]	8	33.0	33.96	150	150
		Fitzpatrick WA	0.27	0.3[1]	8	33.0	33.27	150	150
		Grand Teton NP	0.30	0.3[1]	8	33.0	33.30	150	150
		Popo Agie WA	0.32	5.0	30	33.0	33.32	150	150
		Teton WA	0.25	0.3[1]	8	33.0	33.25	150	150
		Washakie WA	0.15	0.3[1]	8	33.0	33.15	150	150
		Wind River RA	0.30	5.0	30	33.0	33.30	150	150
		Yellowstone NP	0.21	0.3[1]	8	33.0	33.21	150	150

[1] Proposed Class I significance level, *Federal Register* /Vol. 61, No. 142, pg. 38292, July 23, 1996.

Table E.3.2 Maximum Modeled Cumulative PM_{10} Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage and Regional Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Applicable PSD Increment ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM_{10}	Annual	Bridger WA	0.17	4	16.0	16.17	50	50
		Fitzpatrick WA	0.044	4	16.0	16.04	50	50
		Grand Teton NP	0.039	4	16.0	16.04	50	50
		Popo Agie WA	0.073	17	16.0	16.07	50	50
		Teton WA	0.024	4	16.0	16.02	50	50
		Washakie WA	0.020	4	16.0	16.02	50	50
		Wind River RA	0.053	17	16.0	16.05	50	50
		Yellowstone NP	0.015	4	16.0	16.02	50	50
PM_{10}	24- hr	Bridger WA	2.56	8	33.0	35.56	150	150
		Fitzpatrick WA	0.97	8	33.0	33.97	150	150
		Grand Teton NP	0.79	8	33.0	33.79	150	150
		Popo Agie WA	0.98	30	33.0	33.98	150	150
		Teton WA	0.39	8	33.0	33.39	150	150
		Washakie WA	0.53	8	33.0	33.53	150	150
		Wind River RA	0.99	30	33.0	33.99	150	150
		Yellowstone NP	0.34	8	33.0	33.34	150	150

Table E.4.1 Maximum Modeled $PM_{2.5}$ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources

Pollutant	Averaging Time	Receptor Area	Direct Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.047	5.0	5.05	15	15
		Fitzpatrick WA	0.010	5.0	5.01	15	15
		Grand Teton NP	0.0062	5.0	5.01	15	15
		Popo Agie WA	0.022	5.0	5.02	15	15
		Teton WA	0.0040	5.0	5.00	15	15
		Washakie WA	0.0042	5.0	5.00	15	15
		Wind River RA	0.013	5.0	5.01	15	15
		Yellowstone NP	0.0027	5.0	5.00	15	15
$PM_{2.5}$	24-hr	Bridger WA	0.96	13.0	13.96	65	65
		Fitzpatrick WA	0.27	13.0	13.27	65	65
		Grand Teton NP	0.21	13.0	13.21	65	65
		Popo Agie WA	0.32	13.0	13.32	65	65
		Teton WA	0.14	13.0	13.14	65	65
		Washakie WA	0.15	13.0	13.15	65	65
		Wind River RA	0.30	13.0	13.30	65	65
		Yellowstone NP	0.12	13.0	13.12	65	65

[1] Standard not yet enforced in Wyoming.

Table E.4.2 Maximum Modeled Cumulative $PM_{2.5}$ Concentration Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage and Regional Sources

Pollutant	Averaging Time	Receptor Area	Modeled Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentratio ($\mu g/m^3$)	WAAQS[1] ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
$PM_{2.5}$	Annual	Bridger WA	0.17	5.0	5.17	15	15
		Fitzpatrick WA	0.045	5.0	5.05	15	15
		Grand Teton NP	0.039	5.0	5.04	15	15
		Popo Agie WA	0.076	5.0	5.08	15	15
		Teton WA	0.024	5.0	5.02	15	15
		Washakie WA	0.021	5.0	5.02	15	15
		Wind River RA	0.054	5.0	5.05	15	15
		Yellowstone NP	0.015	5.0	5.02	15	15
$PM_{2.5}$	24-hr	Bridger WA	2.55	13.0	15.55	65	65
		Fitzpatrick WA	0.96	13.0	13.96	65	65
		Grand Teton NP	0.79	13.0	13.79	65	65
		Popo Agie WA	0.97	13.0	13.97	65	65
		Teton WA	0.38	13.0	13.38	65	65
		Washakie WA	0.53	13.0	13.53	65	65
		Wind River RA	0.98	13.0	13.98	65	65
		Yellowstone NP	0.34	13.0	13.34	65	65

[1] Standard not yet enforced in Wyoming.

Table E.5.1 Maximum Predicted Impacts Within the JIDPA from Early Jonah Infill Project Development Stage Sources Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	18.8	3.4	22.2	100	100
SO_2	3 Hour	30.5	132	162.5	1,300	1,300
	24-Hour	9.7	43	52.7	260	365
	Annual	1.2	9	10.2	60	80
PM_{10}	24-Hour	82.6	33	115.6	150	150
	Annual	12.9	16	28.9	50	50
$PM_{2.5}$	24-Hour	36.2	13	49.2	65[1]	65
	Annual	6.2	5	11.2	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table E.5.2 Maximum Predicted Impacts Within the JIDPA from Early Project Development Stage and Regional Sources Compared to Ambient Air Quality Standards

Pollutant	Averaging Time	Direct Predicted Impact ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	WAAQS ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
NO_2	Annual	27.1	3.4	30.5	100	100
SO_2	3 Hour	37.7	132	169.7	1,300	1,300
	24-Hour	12.1	43	55.1	260	365
	Annual	1.7	9	10.7	60	80
PM_{10}	24-Hour	89.0	33	122.0	150	150
	Annual	15.0	16	31.0	50	50
$PM_{2.5}$	24-Hour	49.4	13	62.4	65[1]	65
	Annual	8.2	5	13.2	15[1]	15

[1] Standard not yet enforced in Wyoming.

Table E.6.1 Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources - Direct and Total

Receptor Area	Direct Project Impact	Cumulative Modeled Impact	Total Impact[1]	Deposition Analysis Threshold for Direct Project[2]	Level of Concern for Total[3]
Bridger WA	0.0136	0.096	1.596	0.005	3.0
Fitzpatrick WA	0.0032	0.025	1.525	0.005	3.0
Grand Teton NP	0.0019	0.020	1.520	0.005	3.0
Popo Agie WA	0.0094	0.049	1.549	0.005	3.0
Teton WA	0.0011	0.011	1.511	0.005	3.0
Washakie WA	0.0013	0.012	1.512	0.005	3.0
Wind River RA	0.0049	0.033	1.533	0.005	3.0
Yellowstone NP	0.0007	0.008	1.508	0.005	3.0

1 Total impact includes N deposition value of 1.5 kg/ha-yr measured near Pinedale for the year 2001.

[2] National Park Service (2001)

[3] Fox et al. (1989)

Table E.6.2 Maximum Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources - Direct and Total

	Direct Project Impact	Cumulative Modeled Impact	Total Impact[1]	Deposition Analysis Threshold for Direct Project[2]	Level of Concern for Total[3]
Bridger WA	0.0018	0.0062	0.7562	0.005	3.0
Fitzpatrick WA	0.00050	0.0010	0.7510	0.005	3.0
Grand Teton NP	0.00030	0.0048	0.7548	0.005	3.0
Popo Agie WA	0.0013	0.0012	0.7512	0.005	3.0
Teton WA	0.00018	0.0023	0.7523	0.005	3.0
Washakie WA	0.00020	0.00089	0.7509	0.005	3.0
Wind River RA	0.00077	0.0010	0.7510	0.005	3.0
Yellowstone NP	0.00011	0.0015	0.7515	0.005	3.0

[1] Total impact includes S deposition value of 0.75 kg/ha-yr measured near Pinedale for the year 2001.

[2] National Park Service (2001)

[3] Fox et al. (1989)

Table E.7.1 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Early Jonah Infill Project Development Stage Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change[1] (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.064	0.10%
Deep	Bridger	59.9	5.99	0.068	0.11%
Hobbs	Bridger	69.9	6.99	0.040	0.06%
Lazy Boy	Bridger	18.8	1.00	0.021	0.11%
Lower Saddlebag	Popo Agie	55.5	5.55	0.079	0.14%
Ross	Fitzpatrick	53.5	5.35	0.019	0.04%
Upper Frozen	Bridger	5.0	1.00	0.073	1.45%

[1] USFS Level of Acceptable Change (USFS 2000).

Table E.7.2 Maximum Modeled Change in Acid Neutralizing Capacity (ANC) at Acid Sensitive Lakes from Early Jonah Infill Project Development Stage and Regional Sources

Lake	Wilderness Area	Background ANC (µeq/L)	Level of Acceptable Change[1] (µeq/L)	ANC Change (µeq/L)	Percent ANC Change (%)
Black Joe	Bridger	67.0	6.70	0.350	0.52%
Deep	Bridger	59.9	5.99	0.371	0.62%
Hobbs	Bridger	69.9	6.99	0.278	0.40%
Lazy Boy	Bridger	18.8	1.00	0.141	0.75%
Lower Saddlebag	Popo Agie	55.5	5.55	0.394	0.71%
Ross	Fitzpatrick	53.5	5.35	0.136	0.26%
Upper Frozen	Bridger	5.0	1.00	0.398	7.96%

[1] USFS Level of Acceptable Change (USFS 2000).

Table E.8.1 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources - MVISBK=6

	FLAG Background Data[1]			IMPROVE Background Data[1]		
Receptor Area	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	2.19	28	8	2.42	34	9
Fitzpatrick WA	0.86	4	0	0.95	5	0
Grand Teton NP	0.66	1	0	0.67	1	0
Popo Agie WA	0.95	6	0	1.06	10	2
Teton WA	0.36	0	0	0.37	0	0
Washakie WA	0.42	0	0	0.43	0	0
Wind River RA	0.91	2	0	1.01	3	1
Yellowstone NP	0.32	0	0	0.32	0	0

[1] Δdv = change in deciview.

Table E.8.2 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources - MVISBK=6

	FLAG Background Data[1]			IMPROVE Background Data[1]		
Receptor Area	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	6.04	124	61	6.57	128	59
Fitzpatrick WA	3.06	25	11	3.37	27	11
Grand Teton NP	2.60	24	8	2.63	20	8
Popo Agie WA	3.04	50	20	3.35	51	23
Teton WA	1.31	15	4	1.33	12	4
Washakie WA	1.66	9	2	1.70	10	2
Wind River RA	3.08	32	12	3.39	31	15
Yellowstone NP	1.21	6	3	1.22	5	3

[1] Δdv = change in deciview.

Table E.8.3 Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Jonah Infill Project Development Stage Sources - MVISBK=2

	FLAG Background Data[1]			IMPROVE Background Data[1]		
Receptor Area	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	5.92	46	22	5.95	47	21
Fitzpatrick WA	2.40	9	3	2.42	8	4
Grand Teton NP	1.59	8	2	1.32	5	1
Popo Agie WA	1.46	21	1	1.08	18	1
Teton WA	1.18	5	1	0.97	3	0
Washakie WA	0.81	2	0	0.80	2	0
Wind River RA	1.16	3	2	1.11	3	1
Yellowstone NP	1.04	2	1	0.85	2	0

[1] Δdv = change in deciview.

Table E.8.4 Maximum Modeled Cumulative Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources - MVISBK=2

	FLAG Background Data[1]			IMPROVE Background Data[1]		
Receptor Area	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv	Maximum Visibility Impact	Number of Days > 0.5 Δdv	Number of Days > 1.0 Δdv
	(Δdv)	(days)	(days)	(Δdv)	(days)	(days)
Bridger WA	13.51	147	94	13.56	143	95
Fitzpatrick WA	8.12	53	26	8.15	52	19
Grand Teton NP	4.46	52	31	3.76	46	26
Popo Agie WA	4.98	93	50	3.67	89	49
Teton WA	3.94	44	28	3.32	36	20
Washakie WA	3.79	23	13	3.02	20	10
Wind River RA	6.39	33	17	3.83	32	17
Yellowstone NP	3.54	33	16	2.98	29	11

[1] Δdv = change in deciview.

Table E.8.5 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	0.52
7	1	7	1.19	5.17
9	1	9	0.63	1.33
10	1	10	0.64	1.26
11	1	11	0.60	1.46
12	1	12	-	1.44
13	1	13	0.57	1.40
14	1	14	0.51	1.57
15	1	15	-	0.54
16	1	16	0.71	1.91
17	1	17	1.87	5.47
21	1	21	-	0.80
22	1	22	-	0.82
23	1	23	0.58	2.15
24	1	24	0.88	4.17
26	1	26	-	1.34
30	1	30	-	1.87
40	2	9	-	3.12
41	2	10	-	0.86
42	2	11	-	0.63
43	2	12	0.66	2.83
44	2	13	-	1.79
45	2	14	-	2.09
46	2	15	-	0.68
48	2	17	-	0.69
49	2	18	-	0.56
53	2	22	-	1.44
56	2	25	-	0.75
58	2	27	-	0.51
59	2	28	-	1.70
60	3	1	-	1.69
61	3	2	1.11	3.79
62	3	3	-	1.83
63	3	4	-	1.76
65	3	6	-	0.81
67	3	8	0.56	3.17
68	3	9	0.55	2.49
69	3	10	0.78	2.38
70	3	11	-	0.90
71	3	12	-	0.59
72	3	13	-	0.71
73	3	14	-	0.77
74	3	15	-	0.97
77	3	18	-	0.50
78	3	19	-	0.65
80	3	21	-	0.55
81	3	22	-	0.84
82	3	23	-	0.60
84	3	25	-	0.77
86	3	27	0.75	2.76
87	3	28	-	1.13
90	3	31	-	1.49
92	4	2	-	0.92
96	4	6	-	0.51
97	4	7	-	0.73
98	4	8	-	0.68
99	4	9	-	1.04
105	4	15	-	0.58
111	4	21	-	1.08

			Scenario	
Julian Day	Month	Day	1	2
115	4	25	-	0.57
116	4	26	-	2.02
118	4	28	-	0.99
119	4	29	-	0.77
120	4	30	-	0.78
132	5	12	-	0.87
133	5	13	-	0.55
134	5	14	-	1.10
136	5	16	-	0.71
184	7	3	-	0.57
218	8	6	-	0.70
224	8	12	-	0.67
237	8	25	-	0.75
252	9	9	-	0.54
254	9	11	-	0.74
262	9	19	-	0.56
263	9	20	-	1.08
264	9	21	-	1.02
265	9	22	-	1.02
269	9	26	-	1.59
271	9	28	-	0.67
274	10	1	-	2.05
275	10	2	-	1.17
277	10	4	-	0.51
280	10	7	-	1.05
281	10	8	0.55	1.44
285	10	12	-	1.17
290	10	17	-	0.61
295	10	22	-	0.87
298	10	25	-	0.98
304	10	31	-	0.64
305	11	1	0.87	1.91
306	11	2	-	1.13
309	11	5	-	0.70
310	11	6	-	1.34
311	11	7	-	0.51
313	11	9	-	0.51
314	11	10	-	0.51
320	11	16	-	1.08
321	11	17	-	0.69
323	11	19	-	1.04
325	11	21	0.58	2.42
326	11	22	-	2.06
329	11	25	-	0.83
330	11	26	-	0.55
331	11	27	-	1.08
336	12	2	-	0.68
338	12	4	-	2.08
339	12	5	-	0.57
342	12	8	0.89	3.18
344	12	10	-	0.61
345	12	11	-	1.73
346	12	12	-	0.91
347	12	13	-	0.74
350	12	16	0.59	2.57
353	12	19	1.33	4.70
354	12	20	2.14	5.47
355	12	21	0.87	3.94
356	12	22	0.88	4.46
357	12	23	2.19	6.04
359	12	25	-	0.61
360	12	26	-	0.81

			Scenario	
Julian Day	Month	Day	1	2
361	12	27	-	0.59
362	12	28	1.45	4.21
363	12	29	1.32	3.76
Number of Days Δ dv >= 0.5			28	124
Number of Days Δ dv >= 1.0			8	61
Maximum Δ dv			2.19	6.04

Table E.8.6 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
2	1	2	-	0.52
5	1	5	-	0.60
7	1	7	1.37	5.80
9	1	9	0.73	1.53
10	1	10	0.74	1.45
11	1	11	0.70	1.67
12	1	12	-	1.65
13	1	13	0.66	1.60
14	1	14	0.60	1.80
15	1	15	-	0.62
16	1	16	0.82	2.19
17	1	17	2.14	6.13
21	1	21	-	0.92
22	1	22	-	0.94
23	1	23	0.68	2.46
24	1	24	1.02	4.71
26	1	26	0.53	1.54
27	1	27	-	0.54
30	1	30	-	2.14
40	2	9	0.54	3.56
41	2	10	-	0.99
42	2	11	-	0.73
43	2	12	0.77	3.23
44	2	13	-	2.06
45	2	14	0.50	2.40
46	2	15	-	0.79
48	2	17	-	0.80
49	2	18	-	0.65
53	2	22	-	1.66
56	2	25	-	0.88
58	2	27	-	0.59
59	2	28	-	1.96
60	3	1	-	1.95
61	3	2	1.29	4.30
62	3	3	0.52	2.10
63	3	4	0.58	2.02
64	3	5	-	0.52
65	3	6	-	0.94
67	3	8	0.65	3.61
68	3	9	0.64	2.86
69	3	10	0.90	2.73
70	3	11	-	1.04
71	3	12	-	0.69
72	3	13	-	0.82
73	3	14	-	0.89
74	3	15	-	1.13
75	3	16	-	0.51
77	3	18	-	0.58
78	3	19	-	0.76
80	3	21	-	0.64
81	3	22	-	0.97
82	3	23	-	0.70
84	3	25	-	0.89
86	3	27	0.87	3.15
87	3	28	-	1.31
90	3	31	-	1.72
92	4	2	-	0.84
97	4	7	-	0.66
98	4	8	-	0.62

			Scenario	
Julian Day	Month	Day	1	2
99	4	9	-	0.94
105	4	15	-	0.52
111	4	21	-	0.98
115	4	25	-	0.52
116	4	26	-	1.84
118	4	28	-	0.90
119	4	29	-	0.70
120	4	30	-	0.71
132	5	12	-	0.79
134	5	14	-	1.00
136	5	16	-	0.64
218	8	6	-	0.59
224	8	12	-	0.56
237	8	25	-	0.62
254	9	11	-	0.61
263	9	20	-	0.89
264	9	21	-	0.85
265	9	22	-	0.84
269	9	26	-	1.32
271	9	28	-	0.55
274	10	1	-	1.71
275	10	2	-	1.32
277	10	4	-	0.58
280	10	7	-	1.18
281	10	8	0.62	1.62
285	10	12	-	1.32
290	10	17	-	0.68
295	10	22	-	0.98
298	10	25	-	1.10
299	10	26	-	0.51
302	10	29	-	0.54
304	10	31	-	0.72
305	11	1	0.98	2.14
306	11	2	-	1.25
309	11	5	-	0.78
310	11	6	-	1.49
311	11	7	-	0.57
312	11	8	-	0.54
313	11	9	-	0.57
314	11	10	-	0.57
320	11	16	-	1.20
321	11	17	-	0.76
322	11	18	-	0.50
323	11	19	-	1.16
325	11	21	0.65	2.67
326	11	22	-	2.27
329	11	25	-	0.92
330	11	26	-	0.61
331	11	27	-	1.20
336	12	2	-	0.76
338	12	4	0.55	2.30
339	12	5	-	0.64
342	12	8	1.00	3.50
344	12	10	-	0.69
345	12	11	-	1.92
346	12	12	-	1.01
347	12	13	-	0.82
348	12	14	-	0.51
350	12	16	0.66	2.83
353	12	19	1.48	5.14
354	12	20	2.37	5.97
355	12	21	0.97	4.32

			Scenario	
Julian Day	Month	Day	1	2
356	12	22	0.98	4.88
357	12	23	2.42	6.57
359	12	25	-	0.68
360	12	26	-	0.90
361	12	27	-	0.66
362	12	28	1.61	4.62
363	12	29	1.47	4.13
Number of Days Δ dv >= 0.5			34	128
Number of Days Δ dv >= 1.0			10	60
Maximum Δ dv			2.42	6.57

Table E.8.7 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.54
23	1	23	-	0.69
24	1	24	-	1.12
40	2	9	-	0.71
41	2	10	-	0.60
44	2	13	-	0.68
61	3	2	0.66	2.54
62	3	3	-	1.68
63	3	4	-	0.68
68	3	9	-	0.76
87	3	28	-	0.76
116	4	26	-	0.92
118	4	28	-	0.62
218	8	6	-	0.57
263	9	20	-	0.93
269	9	26	-	0.79
325	11	21	-	1.35
350	12	16	-	0.58
353	12	19	-	1.27
354	12	20	0.86	2.91
355	12	21	-	2.26
356	12	22	-	1.73
357	12	23	0.76	3.06
362	12	28	0.67	2.09
363	12	29	-	0.68
Number of Days Δ dv >= 0.5			4	25
Number of Days Δ dv >= 1.0			0	11
Maximum Δ dv			0.86	3.06

Table E.8.8 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.77
23	1	23	-	0.79
24	1	24	-	1.29
40	2	9	-	0.82
41	2	10	-	0.70
44	2	13	-	0.78
61	3	2	0.76	2.91
62	3	3	0.57	1.93
63	3	4	-	0.79
68	3	9	-	0.89
69	3	10	-	0.51
87	3	28	-	0.89
116	4	26	-	0.84
118	4	28	-	0.56
263	9	20	-	0.77
269	9	26	-	0.65
280	10	7	-	0.54
285	10	12	-	0.53
325	11	21	-	1.50
350	12	16	-	0.64
353	12	19	-	1.41
354	12	20	0.95	3.21
355	12	21	-	2.50
356	12	22	-	1.92
357	12	23	0.85	3.37
362	12	28	0.75	2.31
363	12	29	-	0.76
Number of Days Δ dv >= 0.5			5	27
Number of Days Δ dv >= 1.0			0	11
Maximum Δ dv			0.95	3.37

Table E.8.9 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.97
6	1	6	-	0.82
24	1	24	-	0.77
25	1	25	0.66	2.60
26	1	26	-	1.25
27	1	27	-	1.46
39	2	8	-	0.63
40	2	9	-	0.77
44	2	13	-	1.24
107	4	17	-	0.89
122	5	2	-	0.54
125	5	5	-	0.72
197	7	16	-	0.51
235	8	23	-	0.75
247	9	4	-	0.64
248	9	5	-	0.54
261	9	18	-	0.79
270	9	27	-	0.66
351	12	17	-	0.63
353	12	19	-	1.12
354	12	20	-	0.62
355	12	21	-	1.22
356	12	22	-	0.96
357	12	23	-	1.20
Number of Days Δ dv >= 0.5			1	24
Number of Days Δ dv >= 1.0			0	8
Maximum Δ dv			0.66	2.60

Table E.8.10 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.99
6	1	6	-	0.83
24	1	24	-	0.78
25	1	25	0.67	2.63
26	1	26	-	1.27
27	1	27	-	1.48
39	2	8	-	0.65
40	2	9	-	0.78
44	2	13	-	1.26
107	4	17	-	0.80
125	5	5	-	0.64
235	8	23	-	0.58
261	9	18	-	0.60
270	9	27	-	0.50
351	12	17	-	0.64
353	12	19	-	1.15
354	12	20	-	0.64
355	12	21	-	1.25
356	12	22	-	0.98
357	12	23	-	1.23
Number of Days Δ dv >= 0.5			1	20
Number of Days Δ dv >= 1.0			0	8
Maximum Δ dv			0.67	2.63

Table E.8.11 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.72
12	1	12	-	0.67
14	1	14	-	0.56
23	1	23	-	1.73
24	1	24	-	0.97
30	1	30	-	0.80
41	2	10	-	0.61
43	2	12	-	2.05
44	2	13	-	0.64
48	2	17	-	0.51
53	2	22	-	1.05
59	2	28	-	0.69
60	3	1	-	1.08
61	3	2	0.67	2.66
62	3	3	-	1.84
65	3	6	-	0.50
67	3	8	-	1.31
82	3	23	-	0.50
84	3	25	-	0.54
86	3	27	0.52	1.91
87	3	28	-	0.90
92	4	2	-	0.75
105	4	15	-	0.55
116	4	26	-	1.49
119	4	29	-	0.54
132	5	12	-	0.63
136	5	16	-	0.55
263	9	20	-	0.93
265	9	22	-	0.74
274	10	1	-	0.92
280	10	7	-	0.74
281	10	8	-	1.18
298	10	25	-	0.72
304	10	31	-	0.54
305	11	1	-	0.53
306	11	2	-	1.30
309	11	5	-	0.57
320	11	16	-	0.68
323	11	19	-	0.69
325	11	21	-	1.18
326	11	22	-	1.63
338	12	4	-	0.60
342	12	8	-	1.29
350	12	16	-	0.63
354	12	20	0.86	2.61
355	12	21	0.54	2.35
356	12	22	-	1.31
357	12	23	0.95	3.04
362	12	28	-	0.99
363	12	29	0.92	2.56
Number of Days Δ dv >= 0.5			6	50
Number of Days Δ dv >= 1.0			0	20
Maximum Δ dv			0.95	3.04

Table E.8.12 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.97
12	1	12	-	0.78
14	1	14	-	0.65
23	1	23	0.51	1.98
24	1	24	-	1.12
30	1	30	-	0.92
41	2	10	-	0.71
43	2	12	-	2.36
44	2	13	-	0.74
48	2	17	-	0.59
53	2	22	-	1.21
59	2	28	-	0.80
60	3	1	-	1.25
61	3	2	0.78	3.04
62	3	3	0.50	2.12
65	3	6	-	0.58
67	3	8	-	1.51
82	3	23	-	0.58
84	3	25	-	0.63
86	3	27	0.61	2.19
87	3	28	-	1.05
92	4	2	-	0.69
105	4	15	-	0.50
116	4	26	-	1.36
132	5	12	-	0.57
136	5	16	-	0.50
263	9	20	-	0.76
265	9	22	-	0.61
274	10	1	-	0.75
280	10	7	-	0.83
281	10	8	0.54	1.33
298	10	25	-	0.81
304	10	31	-	0.61
305	11	1	-	0.60
306	11	2	-	1.44
309	11	5	-	0.64
320	11	16	-	0.76
323	11	19	-	0.77
325	11	21	-	1.31
326	11	22	-	1.81
338	12	4	-	0.67
342	12	8	0.56	1.44
350	12	16	-	0.71
354	12	20	0.96	2.88
355	12	21	0.60	2.60
356	12	22	-	1.46
357	12	23	1.06	3.35
359	12	25	-	0.51
360	12	26	-	0.55
362	12	28	-	1.10
363	12	29	1.03	2.82
Number of Days Δ dv >= 0.5			10	51
Number of Days Δ dv >= 1.0			2	23
Maximum Δ dv			1.06	3.35

Table E.8.13 Teton Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
25	1	25	-	1.18
26	1	26	-	1.19
27	1	27	-	1.31
40	2	9	-	0.68
44	2	13	-	0.71
247	9	4	-	0.55
252	9	9	-	0.51
261	9	18	-	0.53
351	12	17	-	0.52
353	12	19	-	0.74
354	12	20	-	0.67
355	12	21	-	0.76
356	12	22	-	0.56
357	12	23	-	0.93
362	12	28	-	1.20
Number of Days Δ dv >= 0.5			0	15
Number of Days Δ dv >= 1.0			0	4
Maximum Δ dv			0.00	1.31

Table E.8.14 Teton Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
25	1	25	-	1.19
26	1	26	-	1.20
27	1	27	-	1.33
40	2	9	-	0.69
44	2	13	-	0.72
351	12	17	-	0.53
353	12	19	-	0.76
354	12	20	-	0.69
355	12	21	-	0.79
356	12	22	-	0.57
357	12	23	-	0.96
362	12	28	-	1.23
Number of Days Δ dv >= 0.5			0	12
Number of Days Δ dv >= 1.0			0	4
Maximum Δ dv			0.00	1.33

Table E.8.15 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
26	1	26	-	0.73
44	2	13	-	0.50
45	2	14	-	0.78
62	3	3	-	1.66
252	9	9	-	0.69
354	12	20	-	0.81
355	12	21	-	0.68
357	12	23	-	0.87
362	12	28	-	1.56
Number of Days Δ dv >= 0.5			0	9
Number of Days Δ dv >= 1.0			0	2
Maximum Δ dv			0.00	1.66

Table E.8.16 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
26	1	26	-	0.74
44	2	13	-	0.52
45	2	14	-	0.79
62	3	3	-	1.70
252	9	9	-	0.53
354	12	20	-	0.84
355	12	21	-	0.70
356	12	22	-	0.51
357	12	23	-	0.90
362	12	28	-	1.61
Number of Days Δ dv >= 0.5			0	10
Number of Days Δ dv >= 1.0			0	2
Maximum Δ dv			0.00	1.70

Table E.8.17 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.75
16	1	16	-	0.53
23	1	23	-	0.95
24	1	24	-	0.93
41	2	10	-	0.57
43	2	12	-	0.63
44	2	13	-	0.57
53	2	22	-	0.51
61	3	2	-	2.61
62	3	3	-	1.32
86	3	27	-	0.58
87	3	28	-	0.89
105	4	15	-	0.60
116	4	26	-	1.43
118	4	28	-	0.55
252	9	9	-	0.56
263	9	20	-	1.69
274	10	1	-	0.86
280	10	7	-	0.64
281	10	8	-	0.67
306	11	2	-	0.65
325	11	21	-	1.27
338	12	4	-	0.61
342	12	8	-	0.60
350	12	16	-	0.57
353	12	19	-	0.73
354	12	20	0.87	2.69
355	12	21	-	2.27
356	12	22	-	1.46
357	12	23	0.91	3.08
362	12	28	-	1.15
363	12	29	-	1.13
Number of Days Δ dv >= 0.5			2	32
Number of Days Δ dv >= 1.0			0	12
Maximum Δ dv			0.91	3.08

Table E.8.18 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
3	1	3	-	0.56
7	1	7	-	2.00
16	1	16	-	0.61
23	1	23	-	1.09
24	1	24	-	1.07
41	2	10	-	0.67
43	2	12	-	0.73
44	2	13	-	0.66
53	2	22	-	0.59
61	3	2	0.54	2.99
62	3	3	-	1.52
86	3	27	-	0.67
87	3	28	-	1.03
105	4	15	-	0.54
116	4	26	-	1.30
263	9	20	-	1.40
274	10	1	-	0.71
280	10	7	-	0.72
281	10	8	-	0.76
306	11	2	-	0.73
325	11	21	-	1.41
338	12	4	-	0.68
342	12	8	-	0.67
350	12	16	-	0.64
353	12	19	-	0.81
354	12	20	0.97	2.97
355	12	21	-	2.51
356	12	22	-	1.62
357	12	23	1.01	3.39
362	12	28	-	1.27
363	12	29	-	1.25
Number of Days Δ dv >= 0.5			3	31
Number of Days Δ dv >= 1.0			1	15
Maximum Δ dv			1.01	3.39

Table E.8.19 Yellowstone National Park - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.04
25	1	25	-	1.21
26	1	26	-	0.83
27	1	27	-	1.16
261	9	18	-	0.51
353	12	19	-	0.51
Number of Days Δ dv >= 0.5			0	6
Number of Days Δ dv >= 1.0			0	3
Maximum Δ dv			0.00	1.21

Table E.8.20 Yellowstone National Park - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.05
25	1	25	-	1.22
26	1	26	-	0.85
27	1	27	-	1.18
353	12	19	-	0.53
Number of Days Δ dv >= 0.5			0	5
Number of Days Δ dv >= 1.0			0	3
Maximum Δ dv			0.00	1.22

Table E.8.21 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	1.36	5.87
8	1	8	-	0.56
9	1	9	1.20	2.67
10	1	10	1.48	2.78
11	1	11	1.49	3.57
12	1	12	1.29	3.59
13	1	13	1.25	2.84
14	1	14	1.62	3.84
15	1	15	-	1.68
16	1	16	1.04	3.48
17	1	17	1.52	4.47
21	1	21	-	0.72
23	1	23	-	1.26
24	1	24	0.79	3.74
26	1	26	0.84	2.44
27	1	27	-	1.43
28	1	28	-	1.67
30	1	30	0.54	2.57
40	2	9	0.84	5.20
41	2	10	0.53	1.96
42	2	11	-	1.82
43	2	12	0.74	3.12
44	2	13	-	2.12
45	2	14	0.51	2.68
46	2	15	-	2.01
48	2	17	-	0.88
53	2	22	-	1.06
58	2	27	-	0.87
59	2	28	1.02	5.11
60	3	1	-	2.33
61	3	2	1.25	3.93
62	3	3	0.78	3.01
63	3	4	1.53	5.13
64	3	5	-	0.76
65	3	6	-	1.45
67	3	8	-	2.47
68	3	9	-	1.53
69	3	10	-	1.47
70	3	11	-	1.10
71	3	12	0.71	2.12
72	3	13	0.74	2.35
73	3	14	-	0.92
74	3	15	-	1.12
75	3	16	-	0.63
76	3	17	-	0.58
77	3	18	-	0.87
78	3	19	-	0.53
81	3	22	-	0.98
82	3	23	1.26	2.19
84	3	25	0.94	2.38
86	3	27	0.67	2.48
87	3	28	-	1.43
90	3	31	-	1.11
92	4	2	-	0.57
97	4	7	-	0.71

			Scenario	
Julian Day	Month	Day	1	2
98	4	8	-	0.62
99	4	9	0.99	3.20
103	4	13	-	0.55
105	4	15	-	1.15
107	4	17	-	0.67
110	4	20	-	1.25
111	4	21	-	2.09
115	4	25	-	1.05
116	4	26	0.70	4.22
118	4	28	-	0.91
119	4	29	-	2.72
120	4	30	0.77	2.55
121	5	1	-	0.87
123	5	3	-	0.76
125	5	5	-	0.69
131	5	11	-	0.56
132	5	12	1.49	3.35
133	5	13	-	1.34
134	5	14	0.92	2.43
136	5	16	-	0.73
141	5	21	-	0.71
153	6	2	-	0.59
157	6	6	-	1.21
158	6	7	-	0.93
163	6	12	-	1.60
170	6	19	0.80	2.14
180	6	29	-	0.98
184	7	3	-	0.82
192	7	11	-	0.65
202	7	21	-	0.55
203	7	22	-	0.56
205	7	24	-	0.65
218	8	6	-	0.53
224	8	12	-	1.11
236	8	24	-	1.75
237	8	25	-	1.91
249	9	6	-	1.61
252	9	9	0.85	1.96
253	9	10	-	1.76
254	9	11	-	0.88
262	9	19	-	0.77
263	9	20	0.63	3.89
264	9	21	-	2.73
265	9	22	-	4.58
269	9	26	-	1.18
270	9	27	-	0.74
271	9	28	0.85	2.67
274	10	1	0.55	3.00
275	10	2	-	0.98
280	10	7	-	1.05
281	10	8	-	0.99
282	10	9	-	0.77
285	10	12	-	0.70
297	10	24	-	0.99
298	10	25	-	2.95
304	10	31	-	2.05
305	11	1	0.68	2.48
306	11	2	-	3.18

			Scenario	
Julian Day	Month	Day	1	2
310	11	6	-	0.81
311	11	7	-	0.62
312	11	8	-	0.77
313	11	9	-	1.14
314	11	10	-	1.07
317	11	13	-	1.09
320	11	16	-	0.90
322	11	18	-	1.05
323	11	19	-	0.87
325	11	21	-	1.16
326	11	22	-	1.33
329	11	25	-	0.85
331	11	27	-	0.62
337	12	3	-	0.65
338	12	4	-	1.04
339	12	5	-	0.76
341	12	7	-	0.52
342	12	8	0.87	2.23
344	12	10	-	0.58
345	12	11	-	3.81
346	12	12	1.08	2.20
347	12	13	-	1.76
348	12	14	-	1.12
350	12	16	0.74	3.36
353	12	19	2.23	7.26
354	12	20	5.21	11.29
355	12	21	2.16	7.95
356	12	22	1.46	6.84
357	12	23	5.92	13.51
359	12	25	-	0.59
360	12	26	-	0.51
361	12	27	-	1.19
362	12	28	2.04	5.65
363	12	29	1.14	3.08
Number of Days Δ dv >= 0.5			46	147
Number of Days Δ dv >= 1.0			22	94
Maximum Δ dv			5.92	13.51

Table E.8.22 Bridger Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	1.55	6.51
8	1	8	-	0.60
9	1	9	1.26	2.80
10	1	10	1.59	2.99
11	1	11	1.54	3.68
12	1	12	1.35	3.66
13	1	13	1.41	3.16
14	1	14	1.75	4.10
15	1	15	-	1.65
16	1	16	1.11	3.67
17	1	17	1.75	5.06
21	1	21	-	0.80
22	1	22	-	0.54
23	1	23	-	1.49
24	1	24	0.91	4.20
26	1	26	0.82	2.41
27	1	27	-	1.43
28	1	28	-	1.65
30	1	30	0.58	2.75
40	2	9	0.86	5.29
41	2	10	0.60	2.00
42	2	11	-	2.01
43	2	12	0.85	3.53
44	2	13	-	2.41
45	2	14	0.57	3.00
46	2	15	-	2.05
48	2	17	-	1.00
53	2	22	-	1.22
58	2	27	-	1.00
59	2	28	1.12	5.51
60	3	1	0.55	2.63
61	3	2	1.44	4.45
62	3	3	0.88	3.35
63	3	4	1.48	5.00
64	3	5	-	0.84
65	3	6	-	1.47
67	3	8	0.52	2.88
68	3	9	-	1.81
69	3	10	0.59	1.74
70	3	11	-	1.15
71	3	12	0.71	2.11
72	3	13	0.81	2.53
73	3	14	-	1.05
74	3	15	-	1.20
75	3	16	-	0.67
76	3	17	-	0.62
77	3	18	-	0.97
78	3	19	-	0.62
81	3	22	-	1.09
82	3	23	1.27	2.19
84	3	25	0.97	2.44
86	3	27	0.77	2.82
87	3	28	-	1.62
90	3	31	-	1.31

			Scenario	
Julian Day	Month	Day	1	2
92	4	2	-	0.55
97	4	7	-	0.63
98	4	8	-	0.57
99	4	9	0.79	2.60
105	4	15	-	0.98
110	4	20	-	1.06
111	4	21	-	1.62
115	4	25	-	0.75
116	4	26	0.59	3.69
118	4	28	-	0.82
119	4	29	-	1.85
120	4	30	0.51	1.75
121	5	1	-	0.73
123	5	3	-	0.59
125	5	5	-	0.52
132	5	12	0.94	2.17
133	5	13	-	0.90
134	5	14	0.56	1.59
136	5	16	-	0.62
141	5	21	-	0.50
157	6	6	-	0.98
158	6	7	-	0.68
163	6	12	-	1.26
170	6	19	0.55	1.48
180	6	29	-	0.57
184	7	3	-	0.68
205	7	24	-	0.54
224	8	12	-	0.92
236	8	24	-	1.34
237	8	25	-	1.26
249	9	6	-	1.00
252	9	9	0.58	1.35
253	9	10	-	1.12
254	9	11	-	0.72
262	9	19	-	0.56
263	9	20	-	2.22
264	9	21	-	1.51
265	9	22	-	3.12
269	9	26	-	1.00
270	9	27	-	0.60
271	9	28	0.57	1.84
274	10	1	-	1.82
275	10	2	-	1.07
280	10	7	-	1.17
281	10	8	-	1.06
282	10	9	-	0.73
285	10	12	-	0.81
295	10	22	-	0.56
297	10	24	-	1.04
298	10	25	-	2.87
304	10	31	-	1.99
305	11	1	0.75	2.32
306	11	2	-	3.15
310	11	6	-	0.93
311	11	7	-	0.68
312	11	8	-	0.79
313	11	9	-	1.20

			Scenario	
Julian Day	Month	Day	1	2
314	11	10	-	1.01
316	11	12	-	0.51
317	11	13	-	0.98
320	11	16	-	1.00
322	11	18	-	1.15
323	11	19	-	0.99
325	11	21	-	1.34
326	11	22	-	1.52
329	11	25	-	0.92
331	11	27	-	0.67
337	12	3	-	0.67
338	12	4	-	1.21
339	12	5	-	0.74
341	12	7	-	0.58
342	12	8	0.89	2.28
344	12	10	-	0.67
345	12	11	-	3.80
346	12	12	1.13	2.30
347	12	13	-	1.64
348	12	14	-	1.11
350	12	16	0.79	3.55
351	12	17	-	0.50
353	12	19	2.35	7.59
354	12	20	5.19	11.25
355	12	21	2.17	8.00
356	12	22	1.52	7.09
357	12	23	5.95	13.56
359	12	25	-	0.67
360	12	26	-	0.58
361	12	27	-	1.29
362	12	28	2.20	6.03
363	12	29	1.27	3.41
Number of Days Δ dv >= 0.5			47	143
Number of Days Δ dv >= 1.0			21	96
Maximum Δ dv			5.95	13.56

Table E.8.23 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	1.91
11	1	11	-	0.94
12	1	12	-	1.37
13	1	13	-	0.58
14	1	14	-	0.69
16	1	16	-	0.54
24	1	24	-	1.27
26	1	26	-	0.52
40	2	9	-	2.17
41	2	10	-	1.65
44	2	13	-	0.81
45	2	14	-	0.65
61	3	2	0.75	2.73
62	3	3	0.94	3.08
63	3	4	0.61	2.66
69	3	10	-	0.50
70	3	11	-	0.70
71	3	12	-	0.88
72	3	13	-	1.16
77	3	18	-	0.71
81	3	22	-	0.73
87	3	28	-	0.73
99	4	9	-	1.08
116	4	26	-	0.96
118	4	28	-	0.62
120	4	30	-	1.28
132	5	12	-	1.07
133	5	13	-	0.92
153	6	2	-	0.58
163	6	12	-	1.50
192	7	11	-	0.53
194	7	13	-	0.73
195	7	14	-	0.71
218	8	6	-	0.78
224	8	12	-	1.02
237	8	25	-	0.99
239	8	27	-	1.80
251	9	8	-	0.67
252	9	9	-	2.44
253	9	10	-	1.18
254	9	11	-	1.05
263	9	20	0.52	4.27
264	9	21	-	1.50
269	9	26	-	0.69
325	11	21	-	0.63
350	12	16	-	0.72
353	12	19	0.71	2.15
354	12	20	2.22	6.68
355	12	21	0.87	4.86
356	12	22	-	2.92
357	12	23	2.40	8.12
362	12	28	1.08	3.28
363	12	29	-	0.60
Number of Days Δ dv >= 0.5			9	53
Number of Days Δ dv >= 1.0			3	26
Maximum Δ dv			2.40	8.12

Table E.8.24 Fitzpatrick Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	2.17
11	1	11	-	0.89
12	1	12	-	1.37
13	1	13	-	0.66
14	1	14	-	0.75
16	1	16	-	0.57
24	1	24	-	1.44
26	1	26	-	0.51
40	2	9	-	2.21
41	2	10	-	1.72
44	2	13	-	0.93
45	2	14	-	0.67
61	3	2	0.87	3.11
62	3	3	1.06	3.43
63	3	4	0.59	2.59
68	3	9	-	0.52
69	3	10	-	0.56
70	3	11	-	0.74
71	3	12	-	0.87
72	3	13	-	1.23
77	3	18	-	0.79
81	3	22	-	0.74
84	3	25	-	0.54
87	3	28	-	0.85
99	4	9	-	0.86
116	4	26	-	0.86
118	4	28	-	0.54
120	4	30	-	0.80
132	5	12	-	0.74
133	5	13	-	0.72
163	6	12	-	1.18
194	7	13	-	0.54
195	7	14	-	0.55
218	8	6	-	0.64
224	8	12	-	0.71
237	8	25	-	0.61
239	8	27	-	1.45
252	9	9	-	1.62
253	9	10	-	0.74
254	9	11	-	0.74
263	9	20	-	2.56
264	9	21	-	0.87
269	9	26	-	0.58
325	11	21	-	0.73
350	12	16	-	0.77
353	12	19	0.76	2.27
354	12	20	2.21	6.65
355	12	21	0.88	4.90
356	12	22	-	3.05
357	12	23	2.41	8.15
362	12	28	1.17	3.53
363	12	29	-	0.65
Number of Days Δ dv >= 0.5			8	52
Number of Days Δ dv >= 1.0			4	19
Maximum Δ dv			2.41	8.15

Table E.8.25 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.55
6	1	6	-	0.81
16	1	16	-	0.65
20	1	20	-	1.75
24	1	24	-	0.72
25	1	25	0.68	2.74
26	1	26	0.55	1.96
27	1	27	1.59	4.45
28	1	28	0.50	2.00
39	2	8	-	0.69
40	2	9	-	2.14
44	2	13	-	1.29
62	3	3	-	0.51
74	3	15	-	0.56
83	3	24	-	0.65
107	4	17	-	0.95
108	4	18	-	0.69
111	4	21	-	0.72
118	4	28	-	0.61
122	5	2	-	1.98
125	5	5	1.05	3.04
126	5	6	-	1.05
127	5	7	0.65	2.16
128	5	8	-	0.73
131	5	11	-	1.45
147	5	27	-	1.72
154	6	3	-	1.58
163	6	12	-	1.97
173	6	22	-	0.78
180	6	29	-	1.12
194	7	13	-	0.70
197	7	16	-	2.09
199	7	18	-	0.67
202	7	21	-	0.75
204	7	23	-	0.59
235	8	23	0.67	4.45
236	8	24	-	1.28
238	8	26	-	1.07
239	8	27	-	0.51
247	9	4	-	2.42
248	9	5	-	1.68
252	9	9	-	1.89
261	9	18	-	0.85
270	9	27	-	0.68
272	9	29	-	1.24
351	12	17	-	1.23
353	12	19	-	1.74
354	12	20	-	1.68
355	12	21	0.56	3.26
356	12	22	-	1.73
357	12	23	-	3.44
362	12	28	-	0.72
Number of Days Δ dv >= 0.5			8	52
Number of Days Δ dv >= 1.0			2	31
Maximum Δ dv			1.59	4.45

Table E.8.26 Grand Teton National Park - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.60
6	1	6	-	0.82
16	1	16	-	0.54
20	1	20	-	1.44
24	1	24	-	0.73
25	1	25	0.68	2.77
26	1	26	0.54	1.93
27	1	27	1.32	3.76
28	1	28	-	1.66
39	2	8	-	0.59
40	2	9	-	1.89
44	2	13	-	1.32
62	3	3	-	0.50
83	3	24	-	0.63
107	4	17	-	0.86
111	4	21	-	0.58
118	4	28	-	0.54
122	5	2	-	1.52
125	5	5	0.78	2.31
126	5	6	-	0.83
127	5	7	-	1.49
128	5	8	-	0.55
131	5	11	-	1.09
147	5	27	-	1.26
154	6	3	-	1.14
163	6	12	-	1.48
173	6	22	-	0.57
180	6	29	-	0.93
197	7	16	-	1.47
199	7	18	-	0.50
235	8	23	-	2.91
236	8	24	-	0.82
238	8	26	-	0.63
247	9	4	-	1.68
248	9	5	-	1.16
252	9	9	-	1.14
261	9	18	-	0.66
270	9	27	-	0.53
272	9	29	-	0.93
351	12	17	-	1.17
353	12	19	-	1.70
354	12	20	-	1.53
355	12	21	0.52	3.03
356	12	22	-	1.66
357	12	23	-	3.20
362	12	28	-	0.72
Number of Days Δ dv >= 0.5			5	46
Number of Days Δ dv >= 1.0			1	26
Maximum Δ dv			1.32	3.76

Table E.8.27 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	2.34
8	1	8	-	0.51
9	1	9	-	0.59
10	1	10	0.56	1.02
12	1	12	0.91	2.80
14	1	14	-	1.73
15	1	15	-	0.73
16	1	16	-	0.71
17	1	17	-	0.70
23	1	23	0.50	1.98
24	1	24	-	1.10
28	1	28	-	1.11
30	1	30	-	1.33
41	2	10	-	1.75
42	2	11	-	0.54
43	2	12	-	2.17
44	2	13	-	0.64
46	2	15	-	1.66
48	2	17	-	0.74
53	2	22	-	0.91
59	2	28	-	0.89
60	3	1	-	1.33
61	3	2	0.51	2.09
62	3	3	-	1.44
67	3	8	-	0.80
72	3	13	-	1.42
73	3	14	-	0.55
74	3	15	-	0.80
76	3	17	-	0.59
82	3	23	0.97	1.92
84	3	25	0.64	1.73
86	3	27	0.51	1.88
87	3	28	-	1.19
97	4	7	-	0.51
98	4	8	-	0.65
99	4	9	0.55	1.83
105	4	15	-	1.25
107	4	17	-	0.98
111	4	21	-	1.66
115	4	25	-	0.57
116	4	26	0.52	4.98
119	4	29	-	1.79
120	4	30	0.75	2.21
132	5	12	1.46	3.15
133	5	13	-	0.94
134	5	14	0.59	1.72
136	5	16	-	0.51
141	5	21	-	0.52
143	5	23	-	0.73
157	6	6	-	0.69
158	6	7	-	0.79
170	6	19	0.76	1.83
180	6	29	-	1.02
184	7	3	-	0.64

			Scenario	
Julian Day	Month	Day	1	2
237	8	25	-	1.83
249	9	6	-	1.48
252	9	9	0.80	1.90
253	9	10	-	2.03
254	9	11	-	0.52
262	9	19	-	0.85
263	9	20	0.83	4.24
264	9	21	-	2.17
265	9	22	-	4.07
271	9	28	0.57	1.87
274	10	1	-	2.34
275	10	2	-	0.68
280	10	7	-	0.93
281	10	8	-	0.81
282	10	9	-	0.57
297	10	24	-	0.62
298	10	25	-	2.21
304	10	31	-	1.38
305	11	1	0.65	2.44
306	11	2	-	3.70
312	11	8	-	0.81
313	11	9	-	0.84
314	11	10	-	1.06
317	11	13	-	0.96
320	11	16	-	0.66
322	11	18	-	0.54
323	11	19	-	0.56
325	11	21	-	0.66
326	11	22	-	1.06
329	11	25	-	0.56
337	12	3	-	0.62
339	12	5	-	0.69
342	12	8	0.54	1.40
354	12	20	0.99	2.92
355	12	21	-	2.10
356	12	22	-	1.31
357	12	23	0.75	2.43
362	12	28	-	0.73
363	12	29	0.75	2.03
Number of Days Δ dv >= 0.5			21	93
Number of Days Δ dv >= 1.0			1	50
Maximum Δ dv			1.46	4.98

Table E.8.28 Popo Agie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	0.50	2.61
8	1	8	-	0.55
9	1	9	-	0.56
10	1	10	0.53	0.97
12	1	12	0.88	2.73
14	1	14	-	1.67
15	1	15	-	0.68
16	1	16	-	0.80
17	1	17	-	0.76
23	1	23	0.57	2.23
24	1	24	-	1.23
28	1	28	-	1.09
30	1	30	-	1.43
41	2	10	-	1.77
42	2	11	-	0.60
43	2	12	-	2.47
44	2	13	-	0.75
46	2	15	-	1.70
48	2	17	-	0.84
53	2	22	-	1.05
59	2	28	-	1.02
60	3	1	-	1.51
61	3	2	0.59	2.40
62	3	3	-	1.67
67	3	8	-	0.95
72	3	13	-	1.38
73	3	14	-	0.58
74	3	15	-	0.83
76	3	17	-	0.63
82	3	23	0.97	1.92
84	3	25	0.66	1.77
86	3	27	0.59	2.15
87	3	28	-	1.35
98	4	8	-	0.57
99	4	9	-	1.17
105	4	15	-	1.06
107	4	17	-	0.66
111	4	21	-	1.27
116	4	26	-	3.66
119	4	29	-	1.20
120	4	30	0.50	1.51
132	5	12	0.92	2.04
133	5	13	-	0.63
134	5	14	-	1.06
157	6	6	-	0.56
158	6	7	-	0.57
170	6	19	0.52	1.26
180	6	29	-	0.59
184	7	3	-	0.54
237	8	25	-	1.09
249	9	6	-	0.92
252	9	9	0.54	1.30
253	9	10	-	1.29
262	9	19	-	0.65

			Scenario	
Julian Day	Month	Day	1	2
263	9	20	-	2.43
264	9	21	-	1.30
265	9	22	-	2.75
271	9	28	-	1.27
274	10	1	-	1.40
275	10	2	-	0.74
280	10	7	-	1.03
281	10	8	-	0.87
282	10	9	-	0.54
297	10	24	-	0.65
298	10	25	-	2.14
304	10	31	-	1.40
305	11	1	0.60	2.28
306	11	2	-	3.66
311	11	7	-	0.54
312	11	8	-	0.83
313	11	9	-	0.88
314	11	10	-	0.99
317	11	13	-	0.86
320	11	16	-	0.74
322	11	18	-	0.59
323	11	19	-	0.63
325	11	21	-	0.76
326	11	22	-	1.21
329	11	25	-	0.61
337	12	3	-	0.64
339	12	5	-	0.67
342	12	8	0.56	1.44
354	12	20	1.08	3.18
355	12	21	0.55	2.33
356	12	22	-	1.46
357	12	23	0.85	2.73
359	12	25	-	0.51
362	12	28	-	0.83
363	12	29	0.85	2.26
Number of Days Δ dv >= 0.5			18	89
Number of Days Δ dv >= 1.0			1	49
Maximum Δ dv			1.08	3.66

Table E.8.29 Teton Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
16	1	16	-	0.92
25	1	25	-	1.19
26	1	26	0.62	1.90
27	1	27	1.17	3.93
28	1	28	-	1.82
40	2	9	-	1.92
44	2	13	-	0.74
74	3	15	-	0.53
75	3	16	-	1.30
83	3	24	-	0.70
111	4	21	-	1.30
120	4	30	-	0.95
122	5	2	-	1.51
125	5	5	0.68	1.70
127	5	7	0.58	1.89
128	5	8	-	0.93
131	5	11	-	0.51
163	6	12	-	2.13
173	6	22	-	0.70
180	6	29	-	1.04
194	7	13	-	0.60
197	7	16	-	1.13
202	7	21	-	0.54
205	7	24	-	0.67
235	8	23	-	1.56
236	8	24	-	1.29
238	8	26	-	1.13
239	8	27	-	0.95
247	9	4	-	2.32
248	9	5	-	1.22
252	9	9	-	2.53
261	9	18	-	0.57
263	9	20	-	1.01
264	9	21	-	0.68
271	9	28	-	0.50
272	9	29	-	1.23
280	10	7	-	0.73
351	12	17	-	1.08
353	12	19	-	1.15
354	12	20	0.56	1.83
355	12	21	-	2.02
356	12	22	-	1.14
357	12	23	-	2.83
362	12	28	-	1.81
Number of Days Δ dv >= 0.5			5	44
Number of Days Δ dv >= 1.0			1	28
Maximum Δ dv			1.17	3.93

Table E.8.30 Teton Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
16	1	16	-	0.77
25	1	25	-	1.20
26	1	26	0.52	1.87
27	1	27	0.97	3.32
28	1	28	-	1.51
40	2	9	-	1.69
44	2	13	-	0.76
75	3	16	-	1.03
83	3	24	-	0.67
111	4	21	-	1.05
120	4	30	-	0.61
122	5	2	-	1.16
125	5	5	-	1.27
127	5	7	-	1.30
128	5	8	-	0.69
163	6	12	-	1.60
173	6	22	-	0.51
180	6	29	-	0.87
197	7	16	-	0.78
235	8	23	-	0.97
236	8	24	-	0.82
238	8	26	-	0.67
239	8	27	-	0.60
247	9	4	-	1.61
248	9	5	-	0.83
252	9	9	-	1.63
263	9	20	-	0.56
272	9	29	-	0.92
280	10	7	-	0.69
351	12	17	-	1.02
353	12	19	-	1.12
354	12	20	0.51	1.68
355	12	21	-	1.88
356	12	22	-	1.08
357	12	23	-	2.62
362	12	28	-	1.81
Number of Days Δ dv >= 0.5			3	36
Number of Days Δ dv >= 1.0			0	20
Maximum Δ dv			0.97	3.32

Table E.8.31 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

				Scenario	
	Julian Day	Month	Day	1	2
	16	1	16	-	0.68
Number of D	26	1	26	-	1.56
Number of D	45	2	14	-	0.89
	62	3	3	0.81	3.08
	63	3	4	-	1.91
	111	4	21	-	0.60
	119	4	29	-	0.81
	120	4	30	-	1.29
	163	6	12	-	1.22
	180	6	29	-	0.61
	194	7	13	-	0.74
	237	8	25	-	0.66
	239	8	27	-	0.94
	252	9	9	-	3.79
	263	9	20	-	2.28
	264	9	21	-	1.12
	351	12	17	-	0.81
	353	12	19	-	0.81
	354	12	20	0.68	2.30
	355	12	21	-	1.82
	356	12	22	-	1.05
	357	12	23	-	2.77
	362	12	28	-	2.47
Number of Days Δ dv >= 0.5				2	23
Number of Days Δ dv >= 1.0				0	13
Maximum Δ dv				0.81	3.79

Table E.8.32 Washakie Wilderness Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
16	1	16	-	0.60
26	1	26	-	1.22
45	2	14	-	0.90
62	3	3	0.80	3.02
63	3	4	-	1.54
119	4	29	-	0.59
120	4	30	-	0.82
163	6	12	-	1.02
194	7	13	-	0.52
239	8	27	-	0.71
252	9	9	-	2.49
263	9	20	-	1.30
264	9	21	-	0.63
351	12	17	-	0.77
353	12	19	-	0.78
354	12	20	0.62	2.11
355	12	21	-	1.69
356	12	22	-	0.99
357	12	23	-	2.57
362	12	28	-	2.48
Number of Days Δ dv >= 0.5			2	20
Number of Days Δ dv >= 1.0			0	10
Maximum Δ dv			0.80	3.02

Table E.8.33 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	2.29
16	1	16	-	0.93
17	1	17	-	0.69
41	2	10	-	1.49
43	2	12	-	0.60
61	3	2	-	2.04
62	3	3	-	1.30
86	3	27	-	0.57
87	3	28	-	1.03
105	4	15	-	0.54
111	4	21	-	0.61
116	4	26	-	2.35
119	4	29	-	0.51
120	4	30	-	0.89
143	5	23	-	0.86
144	5	24	-	0.52
146	5	26	-	0.60
180	6	29	-	0.88
252	9	9	-	1.21
253	9	10	-	2.03
263	9	20	1.16	6.39
264	9	21	-	2.06
265	9	22	-	1.98
274	10	1	-	2.30
306	11	2	-	0.71
325	11	21	-	0.60
353	12	19	-	0.77
354	12	20	1.01	3.04
355	12	21	-	2.03
356	12	22	-	1.48
357	12	23	0.74	2.48
362	12	28	-	0.84
363	12	29	-	1.07
Number of Days Δ dv >= 0.5			3	33
Number of Days Δ dv >= 1.0			2	17
Maximum Δ dv			1.16	6.39

Table E.8.34 Wind River Roadless Area - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	2.61
16	1	16	-	1.04
17	1	17	-	0.78
23	1	23	-	0.52
40	2	9	-	0.52
41	2	10	-	1.68
43	2	12	-	0.69
44	2	13	-	0.55
61	3	2	-	2.35
62	3	3	-	1.51
86	3	27	-	0.66
87	3	28	-	1.19
111	4	21	-	0.56
116	4	26	-	2.08
120	4	30	-	0.62
143	5	23	-	0.54
180	6	29	-	0.51
252	9	9	-	0.84
253	9	10	-	1.29
263	9	20	0.62	3.83
264	9	21	-	1.12
265	9	22	-	1.29
274	10	1	-	1.37
306	11	2	-	0.78
325	11	21	-	0.69
353	12	19	-	0.86
354	12	20	1.11	3.32
355	12	21	-	2.26
356	12	22	-	1.65
357	12	23	0.84	2.79
362	12	28	-	0.95
363	12	29	-	1.20
Number of Days Δ dv >= 0.5			3	32
Number of Days Δ dv >= 1.0			1	17
Maximum Δ dv			1.11	3.83

Table E.8.35 Yellowstone National Park - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	0.81
16	1	16	-	0.72
25	1	25	-	1.66
26	1	26	0.85	2.89
27	1	27	1.03	3.54
28	1	28	-	1.49
39	2	8	-	0.88
40	2	9	-	1.57
75	3	16	-	0.53
83	3	24	-	0.65
108	4	18	-	0.77
111	4	21	-	1.09
122	5	2	-	1.25
125	5	5	-	1.93
127	5	7	-	1.09
128	5	8	-	0.93
154	6	3	-	0.97
163	6	12	-	1.11
173	6	22	-	0.55
197	7	16	-	0.90
235	8	23	-	2.21
236	8	24	-	0.84
247	9	4	-	1.77
248	9	5	-	1.12
252	9	9	-	1.86
261	9	18	-	0.56
272	9	29	-	0.65
351	12	17	-	0.71
353	12	19	-	0.79
354	12	20	-	0.55
355	12	21	-	1.27
356	12	22	-	0.60
357	12	23	-	1.23
Number of Days Δ dv >= 0.5			2	33
Number of Days Δ dv >= 1.0			1	16
Maximum Δ dv			1.03	3.54

Table E.8.36 Yellowstone National Park - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	0.84
16	1	16	-	0.60
25	1	25	-	1.56
26	1	26	0.66	2.29
27	1	27	0.85	2.98
28	1	28	-	1.23
39	2	8	-	0.75
40	2	9	-	1.34
83	3	24	-	0.63
108	4	18	-	0.55
111	4	21	-	0.88
122	5	2	-	0.95
125	5	5	-	1.44
127	5	7	-	0.74
128	5	8	-	0.70
154	6	3	-	0.69
163	6	12	-	0.82
197	7	16	-	0.62
235	8	23	-	1.39
236	8	24	-	0.53
247	9	4	-	1.22
248	9	5	-	0.76
252	9	9	-	1.12
351	12	17	-	0.67
353	12	19	-	0.77
354	12	20	-	0.50
355	12	21	-	1.18
356	12	22	-	0.56
357	12	23	-	1.13
Number of Days Δ dv >= 0.5			2	29
Number of Days Δ dv >= 1.0			0	11
Maximum Δ dv			0.85	2.98

Table E.9.1 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Jonah Infill Project Development Stage Sources - MVISBK=6

	FLAG Background Data		IMPROVE Background Data	
Receptor Area	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)
Big Piney	5.91	24	6.62	24
Big Sandy	3.33	21	3.66	24
Boulder	3.06	13	3.37	18
Bronx	1.56	4	1.79	8
Cora	1.96	9	2.17	11
Daniel	2.65	13	2.93	14
Farson	4.74	31	5.18	33
Labarge	5.11	10	5.73	11
Merna	2.15	6	2.46	7
Pinedale	2.67	12	2.94	14

[1] Δdv = change in deciview.

Table E.9.2 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Early Jonah Infill Project Development Stage and Regional Sources - MVISBK=6

	FLAG Background Data		IMPROVE Background Data	
Receptor Area	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)
Big Piney	13.31	85	14.43	79
Big Sandy	7.60	107	8.42	108
Boulder	9.83	131	10.59	130
Bronx	8.92	63	9.60	56
Cora	9.25	71	9.95	73
Daniel	11.88	88	12.68	86
Farson	9.89	77	10.85	77
Labarge	10.14	37	11.12	39
Merna	5.58	33	6.25	33
Pinedale	9.38	107	10.32	113

[1] Δdv = change in deciview.

Table E.9.3 Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Jonah Infill Project Development Stage Sources - MVISBK=2

	FLAG Background Data		IMPROVE Background Data	
Receptor Area	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)
Big Piney	8.34	44	8.61	34
Big Sandy	7.64	27	7.67	29
Boulder	7.70	18	7.74	20
Bronx	2.66	16	2.66	16
Cora	3.22	16	3.39	20
Daniel	4.26	20	4.48	21
Farson	7.44	47	7.64	46
Labarge	7.67	24	8.27	17
Merna	3.24	11	3.24	11
Pinedale	4.87	21	4.90	22

[1] Δdv = change in deciview.

Table E.9.4 Maximum Modeled Cumulative Visibility Impacts at Wyoming Regional Community Locations from Early Jonah Infill Project Development Stage and Regional Sources - MVISBK=2

	FLAG Background Data		IMPROVE Background Data	
Receptor Area	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv (days)
Big Piney	17.65	110	18.55	105
Big Sandy	15.89	91	15.94	98
Boulder	19.09	126	19.14	123
Bronx	13.04	73	13.08	65
Cora	15.34	74	15.39	71
Daniel	17.51	96	17.56	89
Farson	13.46	95	14.12	91
Labarge	14.23	67	15.06	53
Merna	10.88	46	10.93	41
Pinedale	17.91	115	17.96	113

[1] Δdv = change in deciview.

Table E.9.5 Big Piney - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	2.31	4.00
6	1	6	3.06	13.31
7	1	7	3.98	10.96
20	1	20	-	1.16
21	1	21	-	5.69
22	1	22	-	3.43
23	1	23	1.35	4.95
24	1	24	2.83	8.17
25	1	25	3.69	4.93
27	1	27	1.65	4.30
28	1	28	-	3.90
30	1	30	-	1.42
39	2	8	2.33	4.70
40	2	9	1.21	3.62
43	2	12	2.21	3.22
44	2	13	1.24	2.21
53	2	22	-	2.67
57	2	26	-	1.18
61	3	2	5.91	10.59
62	3	3	1.66	2.69
74	3	15	1.05	3.50
75	3	16	1.41	2.58
77	3	18	-	1.01
87	3	28	-	1.46
99	4	9	-	1.56
106	4	16	-	1.64
109	4	19	-	2.63
111	4	21	-	1.46
112	4	22	-	1.85
113	4	23	-	2.04
117	4	27	-	1.61
118	4	28	1.09	3.45
119	4	29	-	2.83
122	5	2	-	1.53
123	5	3	-	1.33
124	5	4	-	1.53
125	5	5	2.05	3.11
128	5	8	-	1.55
131	5	11	-	1.55
132	5	12	-	1.75
143	5	23	-	1.14
150	5	30	-	1.11
153	6	2	-	1.85
154	6	3	-	1.04
162	6	11	-	2.62
163	6	12	-	3.07
172	6	21	-	1.51
180	6	29	-	1.12
183	7	2	-	1.13
196	7	15	-	1.58
197	7	16	-	1.56
198	7	17	-	1.10
199	7	18	-	1.08
201	7	20	-	1.33
202	7	21	-	1.03
213	8	1	-	1.15

			Scenario	
Julian Day	Month	Day	1	2
216	8	4	-	1.23
217	8	5	-	2.05
218	8	6	-	1.38
232	8	20	-	1.48
235	8	23	-	1.53
238	8	26	-	1.50
243	8	31	-	1.02
244	9	1	-	1.00
253	9	10	-	2.13
262	9	19	-	1.48
263	9	20	-	2.67
264	9	21	-	2.21
265	9	22	-	1.62
268	9	25	-	1.42
280	10	7	-	3.35
281	10	8	-	1.67
325	11	21	-	2.67
326	11	22	-	1.64
350	12	16	-	1.57
351	12	17	2.53	5.08
352	12	18	3.01	6.31
353	12	19	4.09	6.30
354	12	20	2.22	8.85
355	12	21	2.72	9.45
356	12	22	4.00	10.50
357	12	23	1.48	5.36
358	12	24	-	1.30
362	12	28	-	3.37
363	12	29	-	3.15
Number of Days Δ dv >= 1.0			24	85
Maximum Δ dv			5.91	13.31

Table E.9.6 Big Piney - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	2.63	4.52
6	1	6	3.48	14.43
7	1	7	4.50	11.98
20	1	20	-	1.33
21	1	21	1.04	6.36
22	1	22	-	3.89
23	1	23	1.55	5.56
24	1	24	3.21	9.03
25	1	25	4.17	5.54
27	1	27	1.89	4.85
28	1	28	-	4.41
30	1	30	-	1.64
39	2	8	2.67	5.31
40	2	9	1.40	4.11
43	2	12	2.54	3.67
44	2	13	1.44	2.54
53	2	22	-	3.05
57	2	26	-	1.36
61	3	2	6.62	11.62
62	3	3	1.92	3.08
74	3	15	1.21	3.98
75	3	16	1.62	2.95
77	3	18	-	1.17
87	3	28	-	1.68
89	3	30	-	1.10
99	4	9	-	1.42
106	4	16	-	1.50
109	4	19	-	2.40
111	4	21	-	1.33
112	4	22	-	1.69
113	4	23	-	1.86
117	4	27	-	1.46
118	4	28	-	3.16
119	4	29	-	2.59
122	5	2	-	1.39
123	5	3	-	1.21
124	5	4	-	1.39
125	5	5	1.87	2.85
128	5	8	-	1.41
131	5	11	-	1.41
132	5	12	-	1.59
143	5	23	-	1.04
150	5	30	-	1.00
153	6	2	-	1.72
162	6	11	-	2.43
163	6	12	-	2.86
172	6	21	-	1.40
180	6	29	-	1.04
196	7	15	-	1.33
197	7	16	-	1.31
201	7	20	-	1.12
216	8	4	-	1.03
217	8	5	-	1.74
218	8	6	-	1.17
232	8	20	-	1.25
235	8	23	-	1.29

			Scenario	
Julian Day	Month	Day	1	2
238	8	26	-	1.26
253	9	10	-	1.78
262	9	19	-	1.23
263	9	20	-	2.24
264	9	21	-	1.84
265	9	22	-	1.34
268	9	25	-	1.17
280	10	7	-	3.72
281	10	8	-	1.87
290	10	17	-	1.09
325	11	21	-	2.94
326	11	22	-	1.81
350	12	16	-	1.75
351	12	17	2.79	5.54
352	12	18	3.32	6.86
353	12	19	4.49	6.84
354	12	20	2.45	9.53
355	12	21	3.00	10.16
356	12	22	4.39	11.25
357	12	23	1.64	5.84
358	12	24	-	1.45
362	12	28	-	3.70
363	12	29	-	3.47
Number of Days Δ dv >= 1.0			24	79
Maximum Δ dv			6.62	14.43

Table E.9.7 Big Sandy - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
2	1	2	-	1.10
4	1	4	-	3.05
7	1	7	2.05	7.59
8	1	8	-	1.06
9	1	9	1.03	2.53
10	1	10	-	2.15
12	1	12	1.02	3.82
13	1	13	-	3.03
14	1	14	1.38	4.60
17	1	17	2.12	5.94
20	1	20	-	2.14
21	1	21	-	2.38
22	1	22	-	2.89
23	1	23	1.96	5.44
24	1	24	1.35	4.51
28	1	28	-	1.10
30	1	30	-	4.32
31	1	31	-	1.25
41	2	10	-	1.47
42	2	11	-	3.31
43	2	12	-	3.26
46	2	15	-	2.30
48	2	17	-	2.83
49	2	18	-	1.14
53	2	22	-	2.07
56	2	25	-	1.01
58	2	27	-	1.83
59	2	28	1.28	4.61
60	3	1	-	3.87
61	3	2	-	2.64
62	3	3	-	1.00
64	3	5	-	1.28
65	3	6	-	2.00
67	3	8	2.45	6.68
68	3	9	-	2.51
72	3	13	-	1.12
77	3	18	-	1.40
78	3	19	-	1.33
82	3	23	-	1.01
84	3	25	-	1.55
86	3	27	1.06	2.69
90	3	31	1.15	3.72
92	4	2	-	1.54
97	4	7	-	1.22
98	4	8	-	1.01
99	4	9	-	1.68
108	4	18	-	1.28
111	4	21	-	2.16
115	4	25	-	1.41
116	4	26	-	2.92
119	4	29	-	1.64
132	5	12	-	1.04
134	5	14	-	2.50
254	9	11	-	1.29
265	9	22	-	1.92
271	9	28	-	1.12

			Scenario	
Julian Day	Month	Day	1	2
274	10	1	-	1.33
275	10	2	-	1.78
280	10	7	-	1.13
281	10	8	-	1.73
292	10	19	-	1.30
297	10	24	-	1.17
298	10	25	-	3.53
302	10	29	-	1.29
304	10	31	-	1.37
305	11	1	2.34	4.16
307	11	3	-	1.19
308	11	4	-	1.86
309	11	5	-	1.73
310	11	6	1.04	2.92
311	11	7	-	1.56
313	11	9	-	1.89
314	11	10	-	1.16
316	11	12	-	1.35
320	11	16	-	1.86
321	11	17	-	1.14
322	11	18	-	1.10
323	11	19	-	2.36
325	11	21	-	1.69
326	11	22	-	3.37
328	11	24	-	1.18
329	11	25	-	2.95
330	11	26	-	1.07
331	11	27	-	1.75
336	12	2	-	2.24
337	12	3	-	1.54
338	12	4	-	1.56
340	12	6	-	2.14
341	12	7	-	2.26
342	12	8	2.24	5.48
344	12	10	-	3.03
345	12	11	-	2.86
346	12	12	-	2.76
347	12	13	-	1.55
348	12	14	-	1.37
349	12	15	-	3.89
350	12	16	1.06	3.09
353	12	19	-	1.55
354	12	20	3.33	7.12
355	12	21	1.34	5.38
356	12	22	2.13	5.59
357	12	23	3.00	7.56
360	12	26	-	2.09
361	12	27	-	1.74
362	12	28	2.18	4.29
363	12	29	2.65	6.56
365	12	31	-	1.82
Number of Days Δ dv >= 1.0			21	107
Maximum Δ dv			3.33	7.59

Table E.9.8 Big Sandy - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
2	1	2	-	1.26
4	1	4	1.05	3.46
7	1	7	2.35	8.42
8	1	8	-	1.22
9	1	9	1.18	2.89
10	1	10	1.12	2.46
11	1	11	-	1.02
12	1	12	1.17	4.32
13	1	13	-	3.44
14	1	14	1.59	5.17
17	1	17	2.42	6.64
20	1	20	-	2.44
21	1	21	-	2.71
22	1	22	-	3.29
23	1	23	2.24	6.09
24	1	24	1.56	5.07
28	1	28	-	1.26
30	1	30	-	4.87
31	1	31	-	1.44
41	2	10	-	1.70
42	2	11	-	3.76
43	2	12	-	3.71
46	2	15	-	2.64
47	2	16	-	1.09
48	2	17	1.05	3.23
49	2	18	-	1.32
53	2	22	-	2.37
56	2	25	-	1.17
58	2	27	-	2.11
59	2	28	1.48	5.21
60	3	1	-	4.39
61	3	2	-	3.02
62	3	3	-	1.16
64	3	5	-	1.48
65	3	6	-	2.30
67	3	8	2.80	7.46
68	3	9	-	2.87
72	3	13	-	1.29
77	3	18	-	1.61
78	3	19	-	1.53
82	3	23	-	1.16
84	3	25	-	1.78
86	3	27	1.23	3.08
87	3	28	-	1.15
90	3	31	1.33	4.22
92	4	2	-	1.41
97	4	7	-	1.11
99	4	9	-	1.53
108	4	18	-	1.16
111	4	21	-	1.97
115	4	25	-	1.28
116	4	26	-	2.67
119	4	29	-	1.50
134	5	14	-	2.28
254	9	11	-	1.07
265	9	22	-	1.60

			Scenario	
Julian Day	Month	Day	1	2
274	10	1	-	1.10
275	10	2	-	1.99
280	10	7	-	1.27
281	10	8	-	1.94
292	10	19	-	1.46
297	10	24	-	1.32
298	10	25	-	3.91
299	10	26	-	1.09
302	10	29	-	1.45
304	10	31	-	1.54
305	11	1	2.61	4.61
307	11	3	-	1.32
308	11	4	-	2.06
309	11	5	-	1.92
310	11	6	1.15	3.22
311	11	7	-	1.73
313	11	9	-	2.10
314	11	10	-	1.29
316	11	12	-	1.49
320	11	16	-	2.06
321	11	17	-	1.27
322	11	18	-	1.22
323	11	19	-	2.60
325	11	21	-	1.87
326	11	22	-	3.70
328	11	24	-	1.31
329	11	25	-	3.24
330	11	26	-	1.19
331	11	27	-	1.94
336	12	2	-	2.47
337	12	3	-	1.71
338	12	4	-	1.73
340	12	6	-	2.37
341	12	7	-	2.50
342	12	8	2.48	5.97
344	12	10	-	3.34
345	12	11	-	3.15
346	12	12	-	3.05
347	12	13	-	1.73
348	12	14	-	1.52
349	12	15	-	4.27
350	12	16	1.18	3.41
353	12	19	-	1.72
354	12	20	3.66	7.71
355	12	21	1.49	5.87
356	12	22	2.36	6.10
357	12	23	3.30	8.18
360	12	26	-	2.31
361	12	27	-	1.93
362	12	28	2.41	4.70
363	12	29	2.93	7.12
365	12	31	-	2.02
Number of Days Δ dv >= 1.0			24	108
Maximum Δ dv			3.66	8.42

Table E.9.9 Boulder - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
4	1	4	-	1.42
7	1	7	2.40	9.64
8	1	8	-	2.32
9	1	9	-	2.65
10	1	10	-	1.41
11	1	11	-	2.14
12	1	12	-	4.47
13	1	13	-	3.64
14	1	14	1.22	4.99
15	1	15	-	1.56
16	1	16	-	2.99
17	1	17	-	6.20
21	1	21	-	3.65
22	1	22	-	2.38
23	1	23	-	5.21
24	1	24	1.83	8.15
26	1	26	-	1.12
30	1	30	-	3.92
40	2	9	-	2.85
41	2	10	-	1.34
43	2	12	-	1.93
44	2	13	-	1.32
45	2	14	-	2.02
46	2	15	-	2.79
47	2	16	-	1.50
48	2	17	-	2.15
49	2	18	-	3.84
53	2	22	-	2.62
56	2	25	-	1.76
58	2	27	-	2.10
59	2	28	-	2.86
60	3	1	-	2.08
61	3	2	1.61	5.09
62	3	3	-	3.04
65	3	6	-	1.79
67	3	8	-	7.98
68	3	9	-	4.76
69	3	10	1.30	2.86
72	3	13	-	2.87
73	3	14	-	2.49
74	3	15	-	1.64
77	3	18	-	2.23
78	3	19	-	1.72
81	3	22	-	1.07
84	3	25	-	1.11
86	3	27	-	2.65
87	3	28	-	1.35
89	3	30	-	3.41
90	3	31	-	3.68
92	4	2	-	2.33
96	4	6	-	1.26
97	4	7	-	2.74
98	4	8	-	1.23
99	4	9	-	2.23
110	4	20	-	1.13
111	4	21	-	1.98

			Scenario	
Julian Day	Month	Day	1	2
115	4	25	-	1.14
116	4	26	-	2.62
119	4	29	-	2.21
120	4	30	-	1.95
132	5	12	-	1.46
134	5	14	-	2.98
184	7	3	-	1.10
212	7	31	-	1.27
223	8	11	-	1.34
224	8	12	-	1.26
230	8	18	-	1.06
236	8	24	-	1.86
237	8	25	-	1.04
241	8	29	-	1.00
254	9	11	-	1.15
262	9	19	-	1.03
263	9	20	-	1.98
264	9	21	-	2.48
265	9	22	-	1.62
268	9	25	-	1.09
269	9	26	-	2.36
271	9	28	-	2.51
272	9	29	-	1.07
274	10	1	-	3.13
275	10	2	-	1.01
277	10	4	-	1.39
280	10	7	-	1.85
281	10	8	-	2.37
285	10	12	-	1.60
286	10	13	-	1.76
292	10	19	-	1.14
295	10	22	-	1.58
298	10	25	-	3.52
303	10	30	-	1.14
304	10	31	-	2.59
305	11	1	-	5.26
307	11	3	-	1.26
308	11	4	-	1.38
309	11	5	-	1.99
310	11	6	-	3.89
311	11	7	-	1.13
313	11	9	-	1.53
316	11	12	-	1.12
320	11	16	-	2.24
323	11	19	-	1.54
325	11	21	-	3.17
326	11	22	-	3.15
328	11	24	-	2.22
329	11	25	-	2.11
330	11	26	-	2.37
331	11	27	-	2.47
333	11	29	-	1.12
335	12	1	-	1.09
336	12	2	-	2.84
337	12	3	-	1.32
338	12	4	1.29	4.97
339	12	5	-	1.35
340	12	6	-	4.44
342	12	8	-	5.11

			Scenario	
Julian Day	Month	Day	1	2
344	12	10	-	4.01
345	12	11	-	4.99
346	12	12	-	2.83
347	12	13	-	2.23
348	12	14	-	1.47
349	12	15	-	2.83
350	12	16	1.07	4.60
353	12	19	2.82	6.15
354	12	20	1.90	7.75
355	12	21	1.13	6.91
356	12	22	1.47	8.88
357	12	23	3.06	9.83
358	12	24	-	1.07
361	12	27	-	2.05
362	12	28	2.51	6.25
363	12	29	-	2.42
Number of Days Δ dv >= 1.0			13	131
Maximum Δ dv			3.06	9.83

Table E.9.10 Boulder - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
4	1	4	-	1.64
7	1	7	2.73	10.59
8	1	8	-	2.64
9	1	9	-	3.02
10	1	10	-	1.62
11	1	11	1.11	2.44
12	1	12	-	5.03
13	1	13	-	4.12
14	1	14	1.40	5.60
15	1	15	-	1.79
16	1	16	-	3.39
17	1	17	-	6.92
21	1	21	-	4.13
22	1	22	-	2.72
23	1	23	-	5.84
24	1	24	2.10	9.00
26	1	26	-	1.29
30	1	30	-	4.43
31	1	31	-	1.03
40	2	9	-	3.25
41	2	10	-	1.55
43	2	12	-	2.22
44	2	13	-	1.53
45	2	14	-	2.32
46	2	15	-	3.18
47	2	16	-	1.73
48	2	17	-	2.47
49	2	18	-	4.36
53	2	22	-	2.99
56	2	25	-	2.03
58	2	27	-	2.41
59	2	28	-	3.27
60	3	1	-	2.38
61	3	2	1.85	5.73
62	3	3	1.11	3.46
63	3	4	-	1.13
65	3	6	-	2.06
67	3	8	-	8.85
68	3	9	1.13	5.38
69	3	10	1.50	3.27
71	3	12	-	1.11
72	3	13	-	3.27
73	3	14	-	2.85
74	3	15	-	1.89
77	3	18	-	2.56
78	3	19	-	1.98
80	3	21	-	1.05
81	3	22	-	1.23
84	3	25	-	1.28
86	3	27	-	3.03
87	3	28	-	1.56
89	3	30	-	3.88
90	3	31	-	4.18
92	4	2	-	2.13
96	4	6	-	1.14
97	4	7	-	2.51

			Scenario	
Julian Day	Month	Day	1	2
98	4	8	-	1.12
99	4	9	-	2.04
110	4	20	-	1.03
111	4	21	-	1.80
115	4	25	-	1.04
116	4	26	-	2.39
119	4	29	-	2.02
120	4	30	-	1.78
132	5	12	-	1.33
134	5	14	-	2.73
212	7	31	-	1.07
223	8	11	-	1.12
224	8	12	-	1.06
236	8	24	-	1.57
263	9	20	-	1.64
264	9	21	-	2.07
265	9	22	-	1.34
269	9	26	-	1.97
271	9	28	-	2.09
274	10	1	-	2.63
275	10	2	-	1.13
277	10	4	-	1.56
279	10	6	-	1.04
280	10	7	-	2.07
281	10	8	-	2.64
285	10	12	-	1.80
286	10	13	-	1.98
292	10	19	-	1.28
295	10	22	-	1.77
298	10	25	-	3.90
299	10	26	-	1.06
303	10	30	-	1.29
304	10	31	-	2.89
305	11	1	1.00	5.78
307	11	3	-	1.40
308	11	4	-	1.53
309	11	5	-	2.20
310	11	6	-	4.26
311	11	7	-	1.25
313	11	9	-	1.70
316	11	12	-	1.25
320	11	16	-	2.47
323	11	19	-	1.71
325	11	21	1.07	3.48
326	11	22	-	3.46
328	11	24	-	2.45
329	11	25	-	2.33
330	11	26	-	2.61
331	11	27	-	2.72
333	11	29	-	1.24
335	12	1	-	1.21
336	12	2	-	3.13
337	12	3	-	1.47
338	12	4	1.44	5.43
339	12	5	-	1.50
340	12	6	-	4.86
341	12	7	-	1.08
342	12	8	-	5.58
344	12	10	-	4.40

			Scenario	
Julian Day	Month	Day	1	2
345	12	11	-	5.45
346	12	12	-	3.12
347	12	13	-	2.46
348	12	14	-	1.63
349	12	15	-	3.12
350	12	16	1.19	5.04
353	12	19	3.11	6.68
354	12	20	2.11	8.38
355	12	21	1.26	7.49
356	12	22	1.63	9.56
357	12	23	3.37	10.55
358	12	24	-	1.19
361	12	27	-	2.27
362	12	28	2.77	6.79
363	12	29	-	2.68
Number of Days Δ dv >= 1.0			18	130
Maximum Δ dv			3.37	10.59

Table E.9.11 Bronx - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	2.57
7	1	7	-	1.88
11	1	11	-	1.13
12	1	12	-	1.18
14	1	14	-	1.34
24	1	24	1.56	6.80
25	1	25	-	3.74
26	1	26	1.52	4.10
27	1	27	-	3.26
39	2	8	-	2.18
40	2	9	-	3.93
43	2	12	-	1.22
44	2	13	-	3.86
45	2	14	-	1.91
61	3	2	-	3.68
62	3	3	-	4.13
63	3	4	-	3.68
74	3	15	-	2.55
75	3	16	-	1.11
87	3	28	-	2.42
99	4	9	-	1.46
104	4	14	-	1.50
106	4	16	-	1.01
107	4	17	-	1.41
109	4	19	-	1.13
110	4	20	-	2.74
116	4	26	-	1.24
118	4	28	-	1.28
119	4	29	-	1.22
120	4	30	-	1.64
127	5	7	-	1.01
131	5	11	-	1.36
184	7	3	-	1.15
187	7	6	-	1.07
205	7	24	-	1.12
218	8	6	-	1.07
234	8	22	-	1.05
235	8	23	-	1.34
237	8	25	-	1.97
238	8	26	-	1.11
239	8	27	-	1.23
241	8	29	-	1.03
246	9	3	-	1.00
252	9	9	-	1.08
254	9	11	-	1.36
263	9	20	-	4.10
264	9	21	-	1.02
268	9	25	-	1.48
269	9	26	-	2.59
271	9	28	-	1.63
280	10	7	-	2.69
281	10	8	-	1.94
285	10	12	-	1.52
325	11	21	-	3.20
326	11	22	-	1.11
350	12	16	-	3.32

			Scenario	
Julian Day	Month	Day	1	2
351	12	17	-	1.54
353	12	19	1.52	8.92
354	12	20	-	5.62
355	12	21	-	4.78
356	12	22	-	5.67
357	12	23	-	6.02
362	12	28	1.20	6.49
Number of Days Δ dv >= 1.0			4	63
Maximum Δ dv			1.56	8.92

Table E.9.12 Bronx - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	2.93
7	1	7	-	2.16
11	1	11	-	1.30
12	1	12	-	1.36
14	1	14	-	1.54
16	1	16	-	1.12
24	1	24	1.79	7.57
25	1	25	-	4.24
26	1	26	1.74	4.63
27	1	27	-	3.70
39	2	8	-	2.50
40	2	9	1.03	4.45
43	2	12	-	1.41
44	2	13	-	4.37
45	2	14	-	2.19
61	3	2	-	4.18
62	3	3	1.07	4.68
63	3	4	1.16	4.18
70	3	11	-	1.06
74	3	15	-	2.92
75	3	16	-	1.28
77	3	18	-	1.16
87	3	28	-	2.77
99	4	9	-	1.33
104	4	14	-	1.36
107	4	17	-	1.28
109	4	19	-	1.03
110	4	20	-	2.50
116	4	26	-	1.13
118	4	28	-	1.16
119	4	29	-	1.11
120	4	30	-	1.50
131	5	11	-	1.24
235	8	23	-	1.13
237	8	25	-	1.67
239	8	27	-	1.04
254	9	11	-	1.13
263	9	20	-	3.47
268	9	25	-	1.23
269	9	26	-	2.17
271	9	28	-	1.35
280	10	7	-	3.00
281	10	8	-	2.17
285	10	12	-	1.70
295	10	22	-	1.01
305	11	1	-	1.02
325	11	21	-	3.51
326	11	22	-	1.23
350	12	16	-	3.66
351	12	17	-	1.72
353	12	19	1.69	9.60
354	12	20	1.10	6.12
355	12	21	-	5.23
356	12	22	-	6.18
357	12	23	-	6.55
362	12	28	1.33	7.05
Number of Days Δ dv >= 1.0			8	56
Maximum Δ dv			1.79	9.60

Table E.9.13 Cora - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.48
7	1	7	-	3.35
9	1	9	-	1.60
10	1	10	-	1.41
11	1	11	-	3.00
12	1	12	-	1.50
13	1	13	-	1.78
14	1	14	-	2.09
15	1	15	-	1.26
16	1	16	-	1.40
24	1	24	1.66	7.44
25	1	25	-	1.67
26	1	26	1.22	3.77
27	1	27	-	2.32
39	2	8	-	1.08
40	2	9	1.00	4.09
43	2	12	-	1.26
44	2	13	-	2.95
45	2	14	-	2.68
53	2	22	-	1.12
56	2	25	-	1.27
61	3	2	1.24	4.64
62	3	3	-	3.86
63	3	4	1.02	3.21
65	3	6	-	1.50
68	3	9	-	3.57
69	3	10	-	2.70
70	3	11	-	2.01
72	3	13	-	2.25
74	3	15	-	2.22
75	3	16	-	1.02
80	3	21	-	1.00
84	3	25	-	1.19
87	3	28	-	2.67
95	4	5	-	1.42
96	4	6	-	1.31
99	4	9	-	1.47
106	4	16	-	1.11
110	4	20	-	3.03
116	4	26	-	2.24
118	4	28	-	1.35
119	4	29	-	1.29
120	4	30	-	1.70
224	8	12	-	1.45
237	8	25	-	1.54
254	9	11	-	1.66
263	9	20	-	3.70
264	9	21	-	1.97
265	9	22	-	1.84
268	9	25	-	1.38
269	9	26	-	1.80
271	9	28	-	1.60
280	10	7	-	2.12
281	10	8	-	1.65
285	10	12	-	2.50
295	10	22	-	3.15

			Scenario	
Julian Day	Month	Day	1	2
305	11	1	-	4.43
320	11	16	-	1.08
325	11	21	-	4.27
326	11	22	-	1.88
338	12	4	-	1.16
340	12	6	-	1.63
346	12	12	-	1.10
347	12	13	-	1.56
350	12	16	-	4.78
353	12	19	1.96	9.25
354	12	20	1.23	6.70
355	12	21	-	4.86
356	12	22	-	6.86
357	12	23	1.05	7.36
362	12	28	1.73	7.16
Number of Days Δ dv >= 1.0			9	71
Maximum Δ dv			1.96	9.25

Table E.9.14 Cora - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.70
7	1	7	-	3.80
9	1	9	-	1.83
10	1	10	-	1.62
11	1	11	-	3.41
12	1	12	-	1.72
13	1	13	-	2.04
14	1	14	-	2.39
15	1	15	-	1.45
16	1	16	-	1.61
24	1	24	1.90	8.26
25	1	25	-	1.91
26	1	26	1.40	4.26
27	1	27	-	2.64
39	2	8	-	1.25
40	2	9	1.16	4.63
43	2	12	-	1.45
44	2	13	-	3.36
45	2	14	-	3.06
53	2	22	-	1.29
56	2	25	-	1.46
61	3	2	1.43	5.24
62	3	3	1.13	4.38
63	3	4	1.18	3.66
65	3	6	-	1.73
68	3	9	-	4.06
69	3	10	-	3.09
70	3	11	-	2.31
72	3	13	-	2.58
74	3	15	-	2.55
75	3	16	-	1.18
80	3	21	-	1.16
84	3	25	-	1.37
87	3	28	-	3.05
95	4	5	-	1.29
96	4	6	-	1.19
99	4	9	-	1.34
106	4	16	-	1.01
110	4	20	-	2.77
116	4	26	-	2.05
118	4	28	-	1.23
119	4	29	-	1.17
120	4	30	-	1.55
224	8	12	-	1.22
237	8	25	-	1.29
254	9	11	-	1.37
263	9	20	-	3.12
264	9	21	-	1.64
265	9	22	-	1.53
268	9	25	-	1.14
269	9	26	-	1.49
271	9	28	-	1.32
280	10	7	-	2.37
281	10	8	-	1.85
285	10	12	-	2.79
295	10	22	-	3.50

			Scenario	
Julian Day	Month	Day	1	2
305	11	1	-	4.89
320	11	16	-	1.19
325	11	21	1.06	4.67
326	11	22	-	2.07
336	12	2	-	1.07
338	12	4	-	1.30
340	12	6	-	1.80
346	12	12	-	1.22
347	12	13	-	1.74
350	12	16	-	5.23
353	12	19	2.17	9.95
354	12	20	1.37	7.27
355	12	21	-	5.31
356	12	22	-	7.43
357	12	23	1.17	7.96
362	12	28	1.92	7.75
363	12	29	-	1.02
Number of Days Δ dv >= 1.0			11	73
Maximum Δ dv			2.17	9.95

Table E.9.15 Daniel - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	4.50
6	1	6	-	2.11
7	1	7	-	5.21
21	1	21	-	2.05
23	1	23	-	1.50
24	1	24	2.20	9.19
25	1	25	1.18	5.79
26	1	26	1.63	4.37
27	1	27	1.19	4.90
39	2	8	-	4.32
40	2	9	1.20	4.73
43	2	12	-	2.27
44	2	13	-	4.05
45	2	14	-	1.60
53	2	22	-	2.88
56	2	25	-	2.93
61	3	2	1.36	8.52
62	3	3	1.42	6.02
63	3	4	1.12	5.22
68	3	9	-	1.85
70	3	11	-	1.12
74	3	15	-	5.27
75	3	16	-	2.11
76	3	17	-	1.32
77	3	18	-	1.68
80	3	21	-	1.79
83	3	24	-	1.20
87	3	28	-	3.38
96	4	6	-	1.73
97	4	7	-	1.19
98	4	8	-	1.17
99	4	9	-	2.68
103	4	13	-	1.03
104	4	14	-	2.44
106	4	16	-	2.09
107	4	17	-	2.88
109	4	19	-	2.59
110	4	20	-	3.40
116	4	26	-	4.16
117	4	27	-	1.09
118	4	28	-	2.76
119	4	29	-	2.91
120	4	30	-	2.03
122	5	2	-	1.11
125	5	5	-	1.72
127	5	7	-	1.36
131	5	11	-	2.28
136	5	16	-	1.22
147	5	27	-	1.43
163	6	12	-	1.09
166	6	15	-	1.94
169	6	18	-	1.25
170	6	19	-	2.44
205	7	24	-	1.28
214	8	2	-	1.08
217	8	5	-	1.25

			Scenario	
Julian Day	Month	Day	1	2
237	8	25	-	2.19
245	9	2	-	1.15
246	9	3	-	1.35
252	9	9	-	1.25
254	9	11	-	2.23
262	9	19	-	1.04
263	9	20	-	5.28
264	9	21	-	3.24
265	9	22	-	1.20
268	9	25	-	2.15
269	9	26	-	3.14
270	9	27	-	1.44
271	9	28	-	3.37
272	9	29	-	1.48
280	10	7	-	5.22
281	10	8	-	3.84
285	10	12	-	2.17
290	10	17	-	1.74
295	10	22	-	1.96
320	11	16	-	2.75
325	11	21	1.20	7.36
326	11	22	-	2.23
350	12	16	-	4.52
351	12	17	-	3.36
352	12	18	-	3.16
353	12	19	2.65	11.88
354	12	20	1.33	9.05
355	12	21	-	7.92
356	12	22	-	8.06
357	12	23	1.15	9.26
362	12	28	1.30	9.68
363	12	29	-	1.31
Number of Days Δ dv >= 1.0			13	88
Maximum Δ dv			2.65	11.88

Table E.9.16 Daniel - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	5.07
6	1	6	-	2.41
7	1	7	-	5.84
14	1	14	-	1.10
21	1	21	-	2.35
23	1	23	-	1.72
24	1	24	2.51	10.11
25	1	25	1.36	6.47
26	1	26	1.87	4.93
27	1	27	1.37	5.51
39	2	8	-	4.88
40	2	9	1.38	5.33
43	2	12	-	2.60
44	2	13	-	4.59
45	2	14	-	1.84
53	2	22	-	3.29
56	2	25	-	3.35
61	3	2	1.57	9.43
62	3	3	1.64	6.74
63	3	4	1.29	5.88
68	3	9	-	2.12
69	3	10	-	1.04
70	3	11	-	1.29
74	3	15	-	5.93
75	3	16	-	2.42
76	3	17	-	1.52
77	3	18	-	1.94
80	3	21	-	2.07
82	3	23	-	1.11
83	3	24	-	1.39
87	3	28	-	3.84
96	4	6	-	1.58
97	4	7	-	1.08
98	4	8	-	1.06
99	4	9	-	2.45
104	4	14	-	2.23
106	4	16	-	1.90
107	4	17	-	2.64
109	4	19	-	2.37
110	4	20	-	3.12
116	4	26	-	3.83
118	4	28	-	2.53
119	4	29	-	2.67
120	4	30	-	1.85
122	5	2	-	1.00
125	5	5	-	1.56
127	5	7	-	1.24
131	5	11	-	2.08
136	5	16	-	1.11
147	5	27	-	1.30
163	6	12	-	1.01
166	6	15	-	1.80
169	6	18	-	1.15
170	6	19	-	2.27
205	7	24	-	1.08
217	8	5	-	1.05

			Scenario	
Julian Day	Month	Day	1	2
237	8	25	-	1.86
246	9	3	-	1.12
252	9	9	-	1.03
254	9	11	-	1.86
263	9	20	-	4.50
264	9	21	-	2.72
268	9	25	-	1.79
269	9	26	-	2.63
270	9	27	-	1.19
271	9	28	-	2.83
272	9	29	-	1.22
280	10	7	-	5.74
281	10	8	-	4.26
285	10	12	-	2.43
289	10	16	-	1.03
290	10	17	-	1.95
295	10	22	-	2.19
320	11	16	-	3.03
325	11	21	1.33	7.95
326	11	22	-	2.47
350	12	16	-	4.94
351	12	17	-	3.70
352	12	18	-	3.48
353	12	19	2.93	12.68
354	12	20	1.48	9.74
355	12	21	-	8.56
356	12	22	1.09	8.70
357	12	23	1.28	9.96
362	12	28	1.45	10.40
363	12	29	-	1.46
Number of Days Δ dv >= 1.0			14	86
Maximum Δ dv			2.93	12.68

Table E.9.17 Farson - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
3	1	3	-	3.37
4	1	4	-	1.23
7	1	7	-	2.64
17	1	17	-	1.47
21	1	21	-	1.17
22	1	22	4.27	9.89
23	1	23	1.98	5.59
24	1	24	-	1.20
28	1	28	1.72	5.36
29	1	29	-	1.56
30	1	30	1.84	4.63
41	2	10	1.92	3.82
43	2	12	-	1.53
46	2	15	-	2.14
52	2	21	-	1.14
53	2	22	1.61	3.23
54	2	23	2.35	5.20
55	2	24	-	1.99
57	2	26	2.93	5.78
59	2	28	-	1.35
60	3	1	-	1.53
76	3	17	1.45	4.79
86	3	27	-	1.63
90	3	31	-	1.93
92	4	2	-	2.49
94	4	4	-	1.02
96	4	6	-	1.66
97	4	7	-	1.19
115	4	25	-	1.11
119	4	29	1.12	2.55
120	4	30	-	2.42
123	5	3	-	1.88
128	5	8	-	1.54
133	5	13	-	1.91
137	5	17	-	2.32
139	5	19	1.31	2.79
140	5	20	1.53	3.82
142	5	22	1.34	2.77
147	5	27	-	1.46
148	5	28	1.19	2.26
157	6	6	-	1.36
184	7	3	-	1.43
188	7	7	1.08	2.09
231	8	19	-	1.38
256	9	13	-	1.28
267	9	24	-	1.32
274	10	1	-	2.82
275	10	2	-	1.21
276	10	3	2.36	5.60
279	10	6	-	1.54
282	10	9	-	2.60
283	10	10	-	1.91
284	10	11	2.51	4.63
289	10	16	-	2.46
290	10	17	-	2.33
291	10	18	1.35	3.85

			Scenario	
Julian Day	Month	Day	1	2
297	10	24	-	1.80
309	11	5	-	1.80
321	11	17	1.04	2.50
322	11	18	1.24	2.85
323	11	19	-	1.08
324	11	20	1.01	3.32
325	11	21	-	1.92
326	11	22	1.08	2.15
327	11	23	-	1.18
332	11	28	1.29	4.01
354	12	20	2.12	4.45
355	12	21	4.74	9.29
356	12	22	1.07	3.38
357	12	23	1.06	3.10
358	12	24	1.96	4.27
359	12	25	1.16	3.52
360	12	26	1.35	3.52
361	12	27	-	1.12
362	12	28	-	1.09
363	12	29	1.38	4.15
364	12	30	-	1.90
Number of Days Δ dv >= 1.0			31	77
Maximum Δ dv			4.74	9.89

Table E.9.18 Farson - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
3	1	3	1.11	3.82
4	1	4	-	1.41
7	1	7	-	3.00
17	1	17	-	1.69
21	1	21	-	1.35
22	1	22	4.82	10.85
23	1	23	2.27	6.26
24	1	24	-	1.38
28	1	28	1.97	6.00
29	1	29	-	1.79
30	1	30	2.11	5.21
41	2	10	2.21	4.33
43	2	12	-	1.76
46	2	15	-	2.46
52	2	21	-	1.32
53	2	22	1.86	3.68
54	2	23	2.69	5.86
55	2	24	-	2.28
57	2	26	3.34	6.48
59	2	28	-	1.56
60	3	1	-	1.76
76	3	17	1.67	5.41
78	3	19	-	1.11
86	3	27	-	1.88
90	3	31	-	2.21
92	4	2	-	2.27
96	4	6	-	1.51
97	4	7	-	1.08
115	4	25	-	1.01
119	4	29	1.02	2.33
120	4	30	-	2.21
123	5	3	-	1.72
128	5	8	-	1.40
133	5	13	-	1.75
137	5	17	-	2.12
139	5	19	1.19	2.55
140	5	20	1.39	3.51
142	5	22	1.22	2.54
147	5	27	-	1.33
148	5	28	1.08	2.06
157	6	6	-	1.26
184	7	3	-	1.20
188	7	7	-	1.77
231	8	19	-	1.16
256	9	13	-	1.06
267	9	24	-	1.09
274	10	1	-	2.36
275	10	2	-	1.36
276	10	3	2.64	6.15
279	10	6	-	1.73
282	10	9	-	2.89
283	10	10	1.02	2.14
284	10	11	2.79	5.11
289	10	16	-	2.74
290	10	17	1.00	2.60
291	10	18	1.51	4.26

			Scenario	
Julian Day	Month	Day	1	2
297	10	24	-	2.02
309	11	5	-	2.00
321	11	17	1.15	2.76
322	11	18	1.38	3.14
323	11	19	-	1.20
324	11	20	1.12	3.64
325	11	21	-	2.13
326	11	22	1.20	2.37
327	11	23	-	1.31
332	11	28	1.43	4.39
354	12	20	2.34	4.87
355	12	21	5.18	9.99
356	12	22	1.20	3.71
357	12	23	1.18	3.41
358	12	24	2.17	4.68
359	12	25	1.29	3.87
360	12	26	1.50	3.87
361	12	27	-	1.24
362	12	28	-	1.21
363	12	29	1.54	4.55
364	12	30	-	2.11
Number of Days Δ dv >= 1.0			33	77
Maximum Δ dv			5.18	10.85

Table E.9.19 La Barge - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
6	1	6	5.11	10.14
7	1	7	1.95	5.64
21	1	21	-	2.56
22	1	22	-	3.19
23	1	23	3.07	9.37
24	1	24	-	2.66
28	1	28	1.87	4.34
30	1	30	-	2.42
39	2	8	-	1.90
40	2	9	-	1.16
53	2	22	-	1.28
61	3	2	-	1.29
87	3	28	-	1.04
89	3	30	-	1.02
109	4	19	-	1.70
112	4	22	-	1.66
118	4	28	-	1.23
124	5	4	-	1.46
150	5	30	-	1.03
160	6	9	1.29	1.39
162	6	11	-	2.09
163	6	12	-	1.18
180	6	29	1.30	1.62
201	7	20	-	1.59
202	7	21	-	1.05
213	8	1	-	1.56
216	8	4	-	1.28
262	9	19	-	1.47
264	9	21	-	2.95
273	9	30	-	2.55
325	11	21	-	1.45
352	12	18	1.37	2.49
354	12	20	2.09	4.81
355	12	21	3.17	8.44
356	12	22	2.69	6.72
357	12	23	-	1.88
363	12	29	-	2.24
Number of Days Δ dv >= 1.0			10	37
Maximum Δ dv			5.11	10.14

Table E.9.20 La Barge - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
2	1	2	-	1.01
6	1	6	5.73	11.12
7	1	7	2.24	6.31
21	1	21	-	2.92
22	1	22	-	3.62
23	1	23	3.48	10.31
24	1	24	1.15	3.04
25	1	25	-	1.12
28	1	28	2.14	4.89
30	1	30	-	2.76
39	2	8	-	2.19
40	2	9	-	1.35
53	2	22	-	1.48
61	3	2	-	1.49
87	3	28	-	1.20
89	3	30	-	1.18
109	4	19	-	1.55
112	4	22	-	1.51
118	4	28	-	1.12
124	5	4	-	1.33
160	6	9	1.19	1.29
162	6	11	-	1.93
163	6	12	-	1.10
180	6	29	1.21	1.51
201	7	20	-	1.34
213	8	1	-	1.32
216	8	4	-	1.08
262	9	19	-	1.22
264	9	21	-	2.47
273	9	30	-	2.13
280	10	7	-	1.01
281	10	8	-	1.10
325	11	21	-	1.60
352	12	18	1.52	2.75
354	12	20	2.31	5.26
355	12	21	3.49	9.10
356	12	22	2.97	7.29
357	12	23	-	2.08
363	12	29	-	2.48
Number of Days Δ dv >= 1.0			11	39
Maximum Δ dv			5.73	11.12

Table E.9.21 Merna - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	1.55	5.25
6	1	6	-	2.41
7	1	7	-	1.12
24	1	24	1.30	4.92
25	1	25	2.15	5.58
26	1	26	-	1.86
27	1	27	1.15	3.02
39	2	8	-	2.37
40	2	9	-	2.59
44	2	13	-	4.27
61	3	2	-	2.83
62	3	3	-	3.24
74	3	15	-	1.05
75	3	16	-	1.19
87	3	28	1.03	3.31
106	4	16	-	1.60
107	4	17	-	2.52
109	4	19	-	1.81
110	4	20	-	1.44
118	4	28	-	1.88
125	5	5	-	1.86
263	9	20	-	3.23
269	9	26	-	1.64
270	9	27	-	1.29
325	11	21	-	1.20
351	12	17	-	2.20
352	12	18	-	1.04
353	12	19	1.29	5.44
354	12	20	-	4.41
355	12	21	-	4.79
356	12	22	-	5.24
357	12	23	-	4.36
362	12	28	-	2.61
Number of Days Δ dv >= 1.0			6	33
Maximum Δ dv			2.15	5.58

Table E.9.22 Merna - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	1.78	5.89
6	1	6	-	2.75
7	1	7	-	1.29
24	1	24	1.50	5.53
25	1	25	2.46	6.24
26	1	26	-	2.13
27	1	27	1.33	3.43
39	2	8	-	2.72
40	2	9	-	2.96
44	2	13	1.07	4.84
61	3	2	-	3.23
62	3	3	-	3.69
74	3	15	-	1.22
75	3	16	-	1.38
87	3	28	1.19	3.77
106	4	16	-	1.46
107	4	17	-	2.30
109	4	19	-	1.65
110	4	20	-	1.31
118	4	28	-	1.71
125	5	5	-	1.70
263	9	20	-	2.71
269	9	26	-	1.36
270	9	27	-	1.06
325	11	21	-	1.33
351	12	17	-	2.44
352	12	18	-	1.16
353	12	19	1.44	5.93
354	12	20	-	4.83
355	12	21	-	5.23
356	12	22	-	5.72
357	12	23	-	4.77
362	12	28	-	2.88
Number of Days Δ dv >= 1.0			7	33
Maximum Δ dv			2.46	6.24

Table E.9.23 Pinedale - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.26
7	1	7	1.22	5.96
8	1	8	-	1.44
9	1	9	-	2.89
10	1	10	-	2.33
11	1	11	-	3.38
12	1	12	-	1.68
13	1	13	-	3.17
14	1	14	-	3.31
15	1	15	-	2.66
16	1	16	-	2.57
21	1	21	-	2.12
23	1	23	-	2.59
24	1	24	1.84	9.38
26	1	26	1.07	3.07
27	1	27	-	1.78
30	1	30	-	1.33
39	2	8	-	1.09
40	2	9	-	4.50
43	2	12	-	2.61
44	2	13	-	2.94
45	2	14	-	3.20
46	2	15	-	2.25
49	2	18	-	1.83
53	2	22	-	2.37
56	2	25	-	1.96
60	3	1	-	1.09
61	3	2	1.65	5.39
62	3	3	1.04	3.82
63	3	4	-	2.42
65	3	6	-	2.03
67	3	8	-	2.37
68	3	9	1.62	4.63
69	3	10	1.90	4.27
70	3	11	-	1.25
71	3	12	-	1.18
72	3	13	-	2.73
73	3	14	-	2.39
74	3	15	-	2.44
75	3	16	-	1.15
78	3	19	-	1.39
80	3	21	-	1.28
81	3	22	-	1.13
86	3	27	-	1.07
87	3	28	-	2.73
92	4	2	-	1.14
93	4	3	-	1.01
96	4	6	-	1.45
97	4	7	-	1.72
99	4	9	-	1.70
110	4	20	-	2.59
111	4	21	-	1.22
115	4	25	-	1.29
116	4	26	-	3.01
118	4	28	-	1.35
119	4	29	-	1.61

			Scenario	
Julian Day	Month	Day	1	2
120	4	30	-	2.45
132	5	12	-	1.16
170	6	19	-	1.14
224	8	12	-	1.97
236	8	24	-	1.58
237	8	25	-	1.50
252	9	9	-	1.02
254	9	11	-	1.48
262	9	19	-	1.27
263	9	20	-	4.37
264	9	21	-	3.68
265	9	22	-	2.07
268	9	25	-	1.63
269	9	26	-	2.06
271	9	28	-	1.88
277	10	4	-	1.05
279	10	6	-	1.44
280	10	7	-	2.19
281	10	8	-	2.16
285	10	12	-	2.50
286	10	13	-	1.45
290	10	17	-	1.06
295	10	22	-	2.95
305	11	1	-	5.43
310	11	6	-	2.64
311	11	7	-	1.20
312	11	8	-	1.01
320	11	16	-	1.87
325	11	21	1.04	3.98
326	11	22	-	2.32
328	11	24	-	1.68
330	11	26	-	1.50
331	11	27	-	1.82
336	12	2	-	2.36
338	12	4	-	2.97
339	12	5	-	1.08
340	12	6	-	2.94
342	12	8	-	3.46
344	12	10	-	1.78
345	12	11	-	4.16
346	12	12	-	1.89
347	12	13	-	2.50
350	12	16	-	5.19
353	12	19	2.66	8.45
354	12	20	1.56	8.08
355	12	21	-	5.48
356	12	22	-	8.63
357	12	23	1.79	9.04
358	12	24	-	1.03
362	12	28	2.24	6.97
363	12	29	-	1.32
Number of Days Δ dv >= 1.0			12	107
Maximum Δ dv			2.66	9.38

Table E.9.24 Pinedale - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=6

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.45
6	1	6	-	1.10
7	1	7	1.41	6.66
8	1	8	-	1.65
9	1	9	-	3.29
10	1	10	-	2.66
11	1	11	-	3.83
12	1	12	-	1.93
13	1	13	-	3.60
14	1	14	-	3.75
15	1	15	-	3.04
16	1	16	-	2.93
21	1	21	-	2.42
22	1	22	-	1.13
23	1	23	-	2.95
24	1	24	2.11	10.32
25	1	25	-	1.14
26	1	26	1.23	3.48
27	1	27	-	2.04
30	1	30	-	1.53
39	2	8	-	1.26
40	2	9	1.10	5.09
43	2	12	-	2.98
44	2	13	-	3.36
45	2	14	-	3.64
46	2	15	-	2.58
49	2	18	-	2.10
53	2	22	-	2.72
56	2	25	-	2.25
58	2	27	-	1.14
60	3	1	-	1.26
61	3	2	1.91	6.06
62	3	3	1.21	4.33
63	3	4	-	2.77
65	3	6	-	2.33
67	3	8	-	2.71
68	3	9	1.86	5.23
69	3	10	2.18	4.84
70	3	11	-	1.45
71	3	12	-	1.36
72	3	13	-	3.13
73	3	14	-	2.73
74	3	15	-	2.79
75	3	16	-	1.33
78	3	19	-	1.60
80	3	21	-	1.48
81	3	22	-	1.31
84	3	25	-	1.01
86	3	27	-	1.24
87	3	28	-	3.12
92	4	2	-	1.04
96	4	6	-	1.32
97	4	7	-	1.57
99	4	9	-	1.55
110	4	20	-	2.37
111	4	21	-	1.11

			Scenario	
Julian Day	Month	Day	1	2
115	4	25	-	1.17
116	4	26	-	2.76
118	4	28	-	1.23
119	4	29	-	1.47
120	4	30	-	2.24
132	5	12	-	1.06
170	6	19	-	1.06
224	8	12	-	1.67
236	8	24	-	1.33
237	8	25	-	1.26
254	9	11	-	1.23
262	9	19	-	1.05
263	9	20	-	3.70
264	9	21	-	3.10
265	9	22	-	1.72
268	9	25	-	1.35
269	9	26	-	1.71
271	9	28	-	1.56
277	10	4	-	1.18
279	10	6	-	1.62
280	10	7	-	2.45
281	10	8	-	2.41
285	10	12	-	2.79
286	10	13	-	1.62
290	10	17	-	1.20
295	10	22	-	3.29
305	11	1	-	5.97
310	11	6	-	2.90
311	11	7	-	1.33
312	11	8	-	1.12
314	11	10	-	1.09
320	11	16	-	2.07
321	11	17	-	1.02
325	11	21	1.15	4.35
326	11	22	-	2.56
328	11	24	-	1.86
330	11	26	-	1.66
331	11	27	-	2.01
335	12	1	-	1.01
336	12	2	-	2.61
338	12	4	-	3.27
339	12	5	-	1.21
340	12	6	-	3.25
342	12	8	-	3.81
344	12	10	-	1.98
345	12	11	-	4.57
346	12	12	-	2.10
347	12	13	-	2.77
350	12	16	-	5.66
353	12	19	2.94	9.12
354	12	20	1.73	8.72
355	12	21	-	5.98
356	12	22	1.01	9.30
357	12	23	1.98	9.73
358	12	24	-	1.15
362	12	28	2.47	7.56
363	12	29	-	1.47
Number of Days Δ dv >= 1.0			14	113
Maximum Δ dv			2.94	10.32

Table E.9.25 Big Piney - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	1.33	2.25
6	1	6	4.76	17.65
7	1	7	6.68	16.10
14	1	14	-	1.04
17	1	17	-	1.50
20	1	20	-	3.12
21	1	21	1.56	9.09
22	1	22	-	1.98
23	1	23	-	2.55
24	1	24	1.46	4.57
25	1	25	2.25	3.02
26	1	26	1.05	1.32
27	1	27	5.79	12.23
28	1	28	2.58	11.83
31	1	31	-	1.21
39	2	8	2.31	3.88
40	2	9	2.65	7.98
41	2	10	-	1.78
43	2	12	2.69	3.92
44	2	13	1.47	2.63
46	2	15	-	1.04
53	2	22	-	1.58
61	3	2	6.24	10.99
62	3	3	2.29	3.61
73	3	14	-	1.68
74	3	15	3.74	10.22
75	3	16	2.06	4.00
87	3	28	-	1.13
89	3	30	-	1.05
97	4	7	-	1.04
98	4	8	-	1.66
99	4	9	1.83	6.37
106	4	16	-	1.77
107	4	17	-	1.23
108	4	18	-	3.31
109	4	19	-	3.40
110	4	20	1.26	1.99
111	4	21	-	2.58
112	4	22	-	5.39
113	4	23	2.34	7.37
117	4	27	1.72	4.77
118	4	28	2.56	6.32
119	4	29	1.46	8.12
120	4	30	-	3.43
122	5	2	1.88	5.42
123	5	3	1.44	6.28
124	5	4	1.10	3.87
125	5	5	7.83	11.00
127	5	7	1.03	1.66
128	5	8	-	2.22
131	5	11	3.59	5.57
132	5	12	-	6.55
133	5	13	-	1.69
134	5	14	-	2.04
135	5	15	-	2.54
141	5	21	-	1.11

			Scenario	
Julian Day	Month	Day	1	2
143	5	23	-	2.94
146	5	26	2.15	3.11
147	5	27	1.35	4.04
148	5	28	-	3.28
149	5	29	-	2.28
150	5	30	-	2.40
153	6	2	-	1.80
154	6	3	-	1.44
155	6	4	-	1.99
156	6	5	1.16	3.59
161	6	10	-	2.09
162	6	11	1.26	8.28
163	6	12	-	5.45
170	6	19	-	2.74
172	6	21	-	2.16
180	6	29	-	1.62
183	7	2	-	1.28
184	7	3	-	1.06
196	7	15	-	1.56
197	7	16	-	1.62
201	7	20	-	3.04
202	7	21	-	2.80
205	7	24	-	1.38
217	8	5	-	1.64
218	8	6	-	1.13
232	8	20	-	1.12
235	8	23	1.54	2.50
237	8	25	-	1.34
238	8	26	-	1.37
247	9	4	-	1.28
253	9	10	-	1.68
262	9	19	-	1.48
263	9	20	1.17	3.19
264	9	21	-	2.18
265	9	22	1.56	5.76
268	9	25	1.08	5.99
273	9	30	-	3.09
274	10	1	-	1.33
280	10	7	-	2.96
281	10	8	-	1.67
305	11	1	-	1.37
325	11	21	-	1.30
326	11	22	-	1.04
342	12	8	-	1.43
350	12	16	-	1.65
351	12	17	1.92	4.21
352	12	18	3.96	7.97
353	12	19	8.34	11.41
354	12	20	2.00	7.83
355	12	21	2.62	8.94
356	12	22	3.16	8.43
357	12	23	1.31	4.83
362	12	28	-	3.80
363	12	29	-	3.32
Number of Days Δ dv >= 1.0			44	110
Maximum Δ dv			8.34	17.65

Table E.9.26 Big Piney - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	1.59	2.66
6	1	6	5.18	18.55
7	1	7	7.16	16.88
14	1	14	-	1.02
17	1	17	-	1.58
20	1	20	-	3.15
21	1	21	1.71	9.66
22	1	22	-	2.33
23	1	23	-	3.01
24	1	24	1.74	5.30
25	1	25	2.64	3.52
26	1	26	1.09	1.38
27	1	27	5.65	12.01
28	1	28	2.57	11.82
30	1	30	-	1.15
31	1	31	-	1.27
39	2	8	2.50	4.16
40	2	9	2.75	8.23
41	2	10	-	1.74
43	2	12	2.99	4.32
44	2	13	1.68	2.98
46	2	15	-	1.08
53	2	22	-	1.87
61	3	2	6.97	12.02
62	3	3	2.60	4.07
73	3	14	-	1.59
74	3	15	3.62	9.98
75	3	16	2.11	4.09
87	3	28	-	1.31
88	3	29	-	1.03
89	3	30	-	1.21
98	4	8	-	1.37
99	4	9	1.12	4.22
106	4	16	-	1.56
108	4	18	-	2.13
109	4	19	-	2.92
110	4	20	-	1.20
111	4	21	-	1.80
112	4	22	-	4.63
113	4	23	1.51	5.16
117	4	27	1.29	3.70
118	4	28	2.17	5.50
119	4	29	-	5.83
120	4	30	-	2.13
122	5	2	1.13	3.47
123	5	3	1.03	4.79
124	5	4	-	2.60
125	5	5	5.93	8.61
127	5	7	-	1.04
128	5	8	-	1.95
131	5	11	2.23	3.59
132	5	12	-	4.25
133	5	13	-	1.05
134	5	14	-	1.20
135	5	15	-	1.56
143	5	23	-	1.92

			Scenario	
Julian Day	Month	Day	1	2
146	5	26	1.27	1.86
147	5	27	-	2.49
148	5	28	-	1.98
149	5	29	-	1.39
150	5	30	-	1.99
153	6	2	-	1.68
154	6	3	-	1.20
155	6	4	-	1.21
156	6	5	-	2.42
161	6	10	-	1.23
162	6	11	-	5.77
163	6	12	-	4.92
170	6	19	-	1.87
172	6	21	-	1.99
180	6	29	-	1.33
183	7	2	-	1.07
196	7	15	-	1.33
197	7	16	-	1.37
201	7	20	-	2.50
202	7	21	-	2.11
205	7	24	-	1.11
217	8	5	-	1.42
235	8	23	1.24	2.01
238	8	26	-	1.17
247	9	4	-	1.00
253	9	10	-	1.45
262	9	19	-	1.23
263	9	20	-	2.61
264	9	21	-	1.80
265	9	22	-	3.93
268	9	25	-	3.99
273	9	30	-	1.95
280	10	7	-	3.34
281	10	8	-	1.75
305	11	1	-	1.23
325	11	21	-	1.50
326	11	22	-	1.16
342	12	8	-	1.30
350	12	16	-	1.82
351	12	17	2.01	4.38
352	12	18	4.21	8.38
353	12	19	8.61	11.73
354	12	20	2.17	8.35
355	12	21	2.93	9.70
356	12	22	3.56	9.25
357	12	23	1.49	5.37
358	12	24	-	1.06
362	12	28	-	4.16
363	12	29	-	3.65
Number of Days Δ dv >= 1.0			34	105
Maximum Δ dv			8.61	18.55

Table E.9.27 Big Sandy - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
4	1	4	-	2.02
7	1	7	2.25	8.28
8	1	8	-	1.50
9	1	9	1.95	5.02
10	1	10	2.09	4.44
11	1	11	-	2.19
12	1	12	1.22	4.09
13	1	13	1.34	3.99
14	1	14	3.07	7.27
15	1	15	-	1.43
17	1	17	1.73	4.91
20	1	20	-	2.27
21	1	21	-	1.76
22	1	22	-	1.71
23	1	23	1.26	3.60
24	1	24	-	2.51
30	1	30	-	4.02
31	1	31	-	2.58
41	2	10	-	1.93
42	2	11	-	3.41
43	2	12	-	3.83
46	2	15	1.31	3.74
48	2	17	-	2.57
50	2	19	-	1.35
53	2	22	-	1.40
58	2	27	-	3.32
59	2	28	3.22	11.61
60	3	1	1.20	5.48
61	3	2	-	2.56
63	3	4	-	1.62
64	3	5	-	1.69
65	3	6	-	2.33
67	3	8	2.02	5.63
68	3	9	-	1.80
72	3	13	-	1.73
78	3	19	-	1.19
84	3	25	-	2.00
86	3	27	-	1.95
90	3	31	-	2.82
97	4	7	-	1.08
99	4	9	2.08	4.92
111	4	21	-	1.77
115	4	25	-	1.05
116	4	26	-	2.91
119	4	29	-	1.48
120	4	30	-	2.65
132	5	12	-	1.57
133	5	13	-	1.35
134	5	14	1.46	3.99
224	8	12	-	1.10
236	8	24	1.11	3.36
254	9	11	-	1.08
264	9	21	-	1.03
265	9	22	-	1.40
274	10	1	-	1.19
275	10	2	-	1.22

			Scenario	
Julian Day	Month	Day	1	2
276	10	3	-	1.29
281	10	8	-	1.00
298	10	25	-	2.09
304	10	31	-	4.61
305	11	1	1.76	3.41
308	11	4	-	1.00
310	11	6	-	1.90
311	11	7	-	1.14
313	11	9	-	1.14
323	11	19	-	1.17
326	11	22	-	1.71
329	11	25	-	1.63
331	11	27	-	1.29
336	12	2	-	1.46
340	12	6	-	1.27
341	12	7	-	1.79
342	12	8	1.34	3.36
344	12	10	-	2.45
345	12	11	-	6.64
346	12	12	1.61	5.17
347	12	13	1.62	3.08
348	12	14	-	3.31
349	12	15	-	5.73
350	12	16	1.25	3.88
353	12	19	1.33	2.66
354	12	20	7.61	13.85
355	12	21	3.23	9.57
356	12	22	3.30	8.21
357	12	23	7.64	15.89
360	12	26	-	1.99
361	12	27	-	3.12
362	12	28	2.77	5.41
363	12	29	2.19	6.09
364	12	30	-	1.60
365	12	31	-	4.30
Number of Days Δ dv >= 1.0			27	91
Maximum Δ dv			7.64	15.89

Table E.9.28 Big Sandy - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
4	1	4	-	2.37
7	1	7	2.54	9.09
8	1	8	-	1.62
9	1	9	2.05	5.23
10	1	10	2.25	4.74
11	1	11	-	2.26
12	1	12	1.28	4.27
13	1	13	1.50	4.41
14	1	14	3.29	7.70
15	1	15	-	1.41
17	1	17	1.99	5.53
20	1	20	-	2.59
21	1	21	-	2.05
22	1	22	-	2.02
23	1	23	1.49	4.17
24	1	24	-	2.95
28	1	28	-	1.07
30	1	30	-	4.59
31	1	31	-	2.88
33	2	2	-	1.02
41	2	10	-	2.20
42	2	11	-	3.93
43	2	12	1.07	4.31
45	2	14	-	1.12
46	2	15	1.48	4.18
48	2	17	-	2.98
49	2	18	-	1.04
50	2	19	-	1.47
53	2	22	-	1.65
58	2	27	-	3.78
59	2	28	3.50	12.29
60	3	1	1.35	6.04
61	3	2	-	2.92
62	3	3	-	1.12
63	3	4	-	1.67
64	3	5	-	1.87
65	3	6	1.03	2.65
67	3	8	2.36	6.40
68	3	9	-	2.12
72	3	13	-	1.86
78	3	19	-	1.39
82	3	23	-	1.14
84	3	25	-	2.20
86	3	27	-	2.24
87	3	28	-	1.10
90	3	31	1.06	3.30
97	4	7	-	1.01
99	4	9	1.67	4.05
111	4	21	-	1.67
116	4	26	-	2.63
119	4	29	-	1.32
120	4	30	-	2.04
132	5	12	-	1.29
133	5	13	-	1.18
134	5	14	1.24	3.46
236	8	24	-	2.63

			Scenario	
Julian Day	Month	Day	1	2
265	9	22	-	1.05
275	10	2	-	1.40
276	10	3	-	1.34
281	10	8	-	1.15
298	10	25	-	2.40
304	10	31	-	4.49
305	11	1	1.94	3.73
307	11	3	-	1.06
308	11	4	-	1.16
309	11	5	-	1.09
310	11	6	-	2.18
311	11	7	-	1.30
313	11	9	-	1.31
316	11	12	-	1.00
320	11	16	-	1.05
323	11	19	-	1.35
326	11	22	-	1.95
329	11	25	-	1.87
331	11	27	-	1.40
336	12	2	-	1.67
337	12	3	-	1.13
340	12	6	-	1.46
341	12	7	-	2.01
342	12	8	1.54	3.80
344	12	10	-	2.77
345	12	11	-	6.62
346	12	12	1.68	5.36
347	12	13	1.51	2.88
348	12	14	-	3.30
349	12	15	-	6.08
350	12	16	1.33	4.09
353	12	19	1.41	2.81
354	12	20	7.59	13.81
355	12	21	3.25	9.63
356	12	22	3.44	8.49
357	12	23	7.67	15.94
360	12	26	-	2.19
361	12	27	-	3.36
362	12	28	2.98	5.78
363	12	29	2.38	6.51
364	12	30	-	1.59
365	12	31	-	4.20
Number of Days Δ dv >= 1.0			29	98
Maximum Δ dv			7.67	15.94

Table E.9.29 Boulder - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	2.91	11.42
8	1	8	-	3.53
9	1	9	-	5.40
10	1	10	-	2.74
11	1	11	2.42	5.43
12	1	12	1.74	6.06
13	1	13	-	5.20
14	1	14	3.39	9.73
15	1	15	-	4.10
16	1	16	1.93	5.95
17	1	17	-	5.07
21	1	21	-	2.94
22	1	22	-	1.40
23	1	23	-	3.42
24	1	24	1.02	4.95
27	1	27	-	1.37
30	1	30	-	3.74
31	1	31	-	2.63
40	2	9	-	3.66
41	2	10	-	1.68
43	2	12	-	2.28
44	2	13	-	1.50
45	2	14	-	2.43
46	2	15	-	4.87
47	2	16	-	1.13
48	2	17	-	1.90
49	2	18	-	2.62
53	2	22	-	1.67
56	2	25	-	1.04
58	2	27	-	2.85
59	2	28	-	7.50
60	3	1	-	2.02
61	3	2	1.70	5.14
62	3	3	-	3.06
63	3	4	-	2.29
64	3	5	-	1.24
65	3	6	-	2.01
67	3	8	-	6.78
68	3	9	-	3.51
69	3	10	-	1.84
71	3	12	1.23	2.60
72	3	13	1.93	6.58
73	3	14	-	3.04
74	3	15	-	1.59
77	3	18	-	1.27
78	3	19	-	1.31
81	3	22	-	1.76
84	3	25	-	1.98
86	3	27	-	2.12
87	3	28	-	1.10
89	3	30	-	2.46
90	3	31	-	2.85
92	4	2	-	1.34
97	4	7	-	2.37
98	4	8	-	1.13
99	4	9	1.77	6.74

			Scenario	
Julian Day	Month	Day	1	2
110	4	20	-	2.85
111	4	21	-	1.78
116	4	26	-	3.10
118	4	28	-	1.03
119	4	29	-	2.89
120	4	30	-	5.10
121	5	1	-	1.30
123	5	3	-	1.12
132	5	12	-	2.52
134	5	14	-	4.53
158	6	7	-	1.00
170	6	19	-	1.07
184	7	3	-	1.54
212	7	31	-	1.10
223	8	11	-	1.77
224	8	12	-	1.87
230	8	18	-	1.06
236	8	24	-	6.45
237	8	25	-	2.06
252	9	9	-	1.10
262	9	19	-	1.61
263	9	20	-	1.87
264	9	21	-	3.26
265	9	22	-	2.20
269	9	26	-	1.59
271	9	28	-	2.53
274	10	1	-	2.56
277	10	4	-	1.03
279	10	6	-	1.03
280	10	7	-	1.24
281	10	8	-	1.38
285	10	12	-	1.01
286	10	13	-	1.13
298	10	25	-	2.19
303	10	30	-	4.00
304	10	31	-	5.76
305	11	1	-	3.90
307	11	3	-	1.04
309	11	5	-	1.11
310	11	6	-	2.40
320	11	16	-	1.12
325	11	21	-	1.58
326	11	22	-	1.58
328	11	24	-	1.34
329	11	25	-	1.21
330	11	26	-	1.50
331	11	27	-	1.54
336	12	2	-	1.83
338	12	4	-	2.78
340	12	6	-	2.96
341	12	7	-	1.19
342	12	8	-	3.14
344	12	10	-	3.78
345	12	11	-	9.55
346	12	12	1.68	5.02
347	12	13	-	5.00
348	12	14	-	3.40
349	12	15	-	4.09
350	12	16	1.44	6.00

			Scenario	
Julian Day	Month	Day	1	2
353	12	19	4.49	9.11
354	12	20	4.63	14.15
355	12	21	2.93	11.94
356	12	22	2.45	12.22
357	12	23	7.70	19.09
358	12	24	-	1.76
361	12	27	-	3.61
362	12	28	4.13	8.84
363	12	29	-	2.22
364	12	30	-	1.25
365	12	31	-	1.82
Number of Days Δ dv >= 1.0			18	126
Maximum Δ dv			7.70	19.09

Table E.9.30 Boulder - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage- Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
4	1	4	-	1.06
7	1	7	3.29	12.39
8	1	8	-	3.77
9	1	9	-	5.63
10	1	10	-	2.94
11	1	11	2.49	5.58
12	1	12	1.83	6.29
13	1	13	-	5.72
14	1	14	3.63	10.24
15	1	15	-	4.03
16	1	16	2.05	6.24
17	1	17	-	5.71
21	1	21	-	3.41
22	1	22	-	1.66
23	1	23	-	3.97
24	1	24	1.22	5.72
27	1	27	-	1.36
30	1	30	-	4.29
31	1	31	-	2.95
40	2	9	-	4.17
41	2	10	-	1.91
43	2	12	-	2.59
44	2	13	-	1.72
45	2	14	-	2.73
46	2	15	-	5.41
47	2	16	-	1.31
48	2	17	-	2.21
49	2	18	-	3.03
53	2	22	-	1.96
56	2	25	-	1.24
58	2	27	-	3.25
59	2	28	-	8.02
60	3	1	-	2.27
61	3	2	1.95	5.78
62	3	3	1.10	3.46
63	3	4	-	2.35
64	3	5	-	1.37
65	3	6	-	2.29
67	3	8	-	7.66
68	3	9	-	4.08
69	3	10	1.01	2.17
71	3	12	1.22	2.59
72	3	13	2.08	6.99
73	3	14	-	3.43
74	3	15	-	1.84
77	3	18	-	1.50
78	3	19	-	1.53
81	3	22	-	1.94
84	3	25	-	2.18
86	3	27	-	2.42
87	3	28	-	1.28
89	3	30	-	2.87
90	3	31	-	3.33
92	4	2	-	1.29
97	4	7	-	2.23
98	4	8	-	1.04

			Scenario	
Julian Day	Month	Day	1	2
99	4	9	1.42	5.64
110	4	20	-	2.44
111	4	21	-	1.68
116	4	26	-	2.81
119	4	29	-	2.60
120	4	30	-	4.02
121	5	1	-	1.10
132	5	12	-	2.09
134	5	14	-	3.95
184	7	3	-	1.30
223	8	11	-	1.48
224	8	12	-	1.57
236	8	24	-	5.20
237	8	25	-	1.64
262	9	19	-	1.19
263	9	20	-	1.44
264	9	21	-	2.22
265	9	22	-	1.66
269	9	26	-	1.38
271	9	28	-	2.10
274	10	1	-	2.09
277	10	4	-	1.18
279	10	6	-	1.05
280	10	7	-	1.43
281	10	8	-	1.58
285	10	12	-	1.17
286	10	13	-	1.31
295	10	22	-	1.10
298	10	25	-	2.51
303	10	30	-	4.38
304	10	31	-	5.63
305	11	1	-	4.26
307	11	3	-	1.17
309	11	5	-	1.28
310	11	6	-	2.73
311	11	7	-	1.01
313	11	9	-	1.11
320	11	16	-	1.29
325	11	21	-	1.81
326	11	22	-	1.81
328	11	24	-	1.54
329	11	25	-	1.39
330	11	26	-	1.72
331	11	27	-	1.67
336	12	2	-	2.09
338	12	4	-	3.18
340	12	6	-	3.37
341	12	7	-	1.34
342	12	8	-	3.56
344	12	10	-	4.25
345	12	11	-	9.53
346	12	12	1.75	5.21
347	12	13	-	4.70
348	12	14	-	3.39
349	12	15	-	4.36
350	12	16	1.53	6.30
353	12	19	4.72	9.49
354	12	20	4.61	14.10
355	12	21	2.95	12.00

			Scenario	
Julian Day	Month	Day	1	2
356	12	22	2.56	12.57
357	12	23	7.74	19.14
358	12	24	-	1.91
361	12	27	-	3.88
362	12	28	4.43	9.35
363	12	29	-	2.41
364	12	30	-	1.24
365	12	31	-	1.77
Number of Days Δ dv >= 1.0			20	123
Maximum Δ dv			7.74	19.14

Table E.9.31 Bronx - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.31
7	1	7	-	2.69
11	1	11	-	3.74
12	1	12	1.30	4.67
14	1	14	-	4.45
15	1	15	-	2.02
16	1	16	1.05	3.62
24	1	24	-	4.09
25	1	25	-	2.08
26	1	26	1.15	3.18
27	1	27	2.33	8.41
39	2	8	-	2.77
40	2	9	1.14	4.53
43	2	12	-	1.55
44	2	13	-	4.61
45	2	14	-	2.23
61	3	2	-	4.01
62	3	3	1.25	5.43
63	3	4	1.73	5.65
72	3	13	-	3.29
74	3	15	-	2.56
84	3	25	-	2.17
87	3	28	-	2.20
99	4	9	-	4.21
107	4	17	-	1.21
110	4	20	-	5.88
116	4	26	-	1.72
118	4	28	-	1.55
119	4	29	-	2.75
120	4	30	-	4.04
123	5	3	-	1.72
124	5	4	-	1.61
125	5	5	-	2.72
127	5	7	-	1.78
131	5	11	-	1.98
147	5	27	-	1.52
170	6	19	-	2.00
184	7	3	-	1.13
187	7	6	-	1.03
202	7	21	-	1.11
205	7	24	-	1.08
218	8	6	-	1.01
223	8	11	-	1.01
224	8	12	-	1.42
234	8	22	-	1.01
235	8	23	-	1.35
236	8	24	-	2.59
237	8	25	-	3.69
238	8	26	-	1.12
239	8	27	-	1.18
241	8	29	-	1.03
252	9	9	-	1.61
254	9	11	-	1.23
262	9	19	-	1.04
263	9	20	1.16	8.34
264	9	21	-	1.66

			Scenario	
Julian Day	Month	Day	1	2
265	9	22	-	1.69
268	9	25	-	1.07
269	9	26	-	1.87
271	9	28	-	2.74
280	10	7	-	1.95
281	10	8	-	1.12
325	11	21	-	1.56
347	12	13	-	1.14
350	12	16	1.35	5.84
351	12	17	1.24	3.98
352	12	18	-	2.58
353	12	19	2.52	12.58
354	12	20	2.66	11.74
355	12	21	1.40	10.77
356	12	22	1.05	8.91
357	12	23	2.03	13.04
362	12	28	1.68	9.51
Number of Days Δ dv >= 1.0			16	73
Maximum Δ dv			2.66	13.04

Table E.9.32 Bronx - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	1.55
7	1	7	-	3.04
11	1	11	-	3.85
12	1	12	1.37	4.86
13	1	13	-	1.09
14	1	14	-	4.75
15	1	15	-	1.98
16	1	16	1.12	3.82
24	1	24	1.01	4.74
25	1	25	-	2.45
26	1	26	1.34	3.67
27	1	27	2.33	8.41
39	2	8	-	3.16
40	2	9	1.32	5.12
43	2	12	-	1.77
44	2	13	-	5.16
45	2	14	-	2.51
61	3	2	-	4.54
62	3	3	1.43	6.06
63	3	4	1.78	5.77
72	3	13	-	3.53
74	3	15	-	2.94
83	3	24	-	1.04
84	3	25	-	2.39
87	3	28	-	2.54
99	4	9	-	3.45
107	4	17	-	1.13
110	4	20	-	5.14
116	4	26	-	1.55
118	4	28	-	1.39
119	4	29	-	2.47
120	4	30	-	3.15
123	5	3	-	1.36
124	5	4	-	1.08
125	5	5	-	2.10
127	5	7	-	1.49
131	5	11	-	1.57
147	5	27	-	1.12
170	6	19	-	1.80
224	8	12	-	1.18
235	8	23	-	1.14
236	8	24	-	2.01
237	8	25	-	2.98
239	8	27	-	1.02
252	9	9	-	1.33
254	9	11	-	1.05
263	9	20	-	6.84
264	9	21	-	1.11
265	9	22	-	1.26
269	9	26	-	1.62
271	9	28	-	2.28
280	10	7	-	2.23
281	10	8	-	1.29
285	10	12	-	1.08
325	11	21	-	1.80
347	12	13	-	1.06

			Scenario	
Julian Day	Month	Day	1	2
350	12	16	1.43	6.13
351	12	17	1.28	4.09
352	12	18	-	2.73
353	12	19	2.66	13.03
354	12	20	2.64	11.70
355	12	21	1.42	10.83
356	12	22	1.10	9.20
357	12	23	2.04	13.08
362	12	28	1.82	10.04
Number of Days Δ dv >= 1.0			16	65
Maximum Δ dv			2.66	13.08

Table E.9.33 Cora - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	4.54
8	1	8	-	1.27
9	1	9	-	3.21
10	1	10	-	3.14
11	1	11	1.68	7.53
12	1	12	2.03	5.89
13	1	13	-	3.41
14	1	14	1.72	6.05
15	1	15	-	3.04
16	1	16	-	4.54
24	1	24	-	4.56
26	1	26	-	2.79
27	1	27	1.23	6.09
39	2	8	-	1.46
40	2	9	1.39	4.91
43	2	12	-	1.59
44	2	13	-	3.47
45	2	14	-	3.22
61	3	2	1.38	5.06
62	3	3	1.22	4.50
63	3	4	1.70	5.12
65	3	6	-	1.94
68	3	9	-	2.31
69	3	10	-	1.72
70	3	11	-	1.82
71	3	12	-	2.94
72	3	13	1.17	7.22
74	3	15	-	2.23
84	3	25	-	3.60
87	3	28	-	2.36
96	4	6	-	1.04
99	4	9	-	4.70
110	4	20	-	6.59
116	4	26	-	2.97
118	4	28	-	1.39
119	4	29	-	2.78
120	4	30	-	4.62
123	5	3	-	1.44
124	5	4	-	1.31
125	5	5	-	1.76
131	5	11	-	1.42
132	5	12	-	1.61
134	5	14	-	1.17
147	5	27	-	1.01
170	6	19	-	1.72
224	8	12	-	2.29
236	8	24	-	2.06
237	8	25	-	3.18
252	9	9	-	1.42
254	9	11	-	1.43
262	9	19	-	1.16
263	9	20	-	7.97
264	9	21	-	2.72
265	9	22	-	5.64
269	9	26	-	1.24
270	9	27	-	1.12

			Scenario	
Julian Day	Month	Day	1	2
271	9	28	-	2.57
280	10	7	-	1.55
285	10	12	-	1.59
295	10	22	-	1.87
305	11	1	-	3.14
325	11	21	-	2.17
340	12	6	-	1.04
346	12	12	-	2.53
347	12	13	-	3.36
350	12	16	1.16	6.67
351	12	17	-	1.37
352	12	18	-	2.06
353	12	19	3.21	13.09
354	12	20	3.22	13.44
355	12	21	1.68	10.40
356	12	22	1.20	10.03
357	12	23	3.03	15.34
362	12	28	2.42	9.54
Number of Days Δ dv >= 1.0			16	74
Maximum Δ dv			3.22	15.34

Table E.9.34 Cora - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
7	1	7	-	5.08
8	1	8	-	1.37
9	1	9	-	3.36
10	1	10	-	3.37
11	1	11	1.73	7.71
12	1	12	2.12	6.11
13	1	13	-	3.78
14	1	14	1.86	6.42
15	1	15	-	2.98
16	1	16	1.03	4.78
24	1	24	1.11	5.28
25	1	25	-	1.03
26	1	26	1.04	3.23
27	1	27	1.23	6.09
39	2	8	-	1.68
40	2	9	1.61	5.55
43	2	12	-	1.81
44	2	13	-	3.91
45	2	14	1.01	3.59
61	3	2	1.58	5.69
62	3	3	1.39	5.04
63	3	4	1.75	5.23
65	3	6	-	2.22
68	3	9	-	2.71
69	3	10	-	2.03
70	3	11	-	2.10
71	3	12	-	2.93
72	3	13	1.26	7.66
74	3	15	-	2.57
84	3	25	-	3.94
87	3	28	-	2.72
99	4	9	-	3.87
110	4	20	-	5.78
116	4	26	-	2.69
118	4	28	-	1.24
119	4	29	-	2.49
120	4	30	-	3.62
123	5	3	-	1.13
125	5	5	-	1.34
131	5	11	-	1.13
132	5	12	-	1.33
170	6	19	-	1.54
224	8	12	-	1.92
236	8	24	-	1.59
237	8	25	-	2.56
252	9	9	-	1.18
254	9	11	-	1.22
263	9	20	-	6.52
264	9	21	-	1.84
265	9	22	-	4.42
269	9	26	-	1.07
271	9	28	-	2.13
280	10	7	-	1.77
281	10	8	-	1.08
285	10	12	-	1.83
295	10	22	-	2.15

			Scenario	
Julian Day	Month	Day	1	2
305	11	1	-	3.44
325	11	21	-	2.49
326	11	22	-	1.02
340	12	6	-	1.19
346	12	12	-	2.64
347	12	13	-	3.14
350	12	16	1.23	6.99
351	12	17	-	1.41
352	12	18	-	2.18
353	12	19	3.38	13.55
354	12	20	3.20	13.40
355	12	21	1.69	10.46
356	12	22	1.26	10.34
357	12	23	3.04	15.39
362	12	28	2.61	10.08
Number of Days Δ dv >= 1.0			20	71
Maximum Δ dv			3.38	15.39

Table E.9.35 Daniel - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	2.47
6	1	6	-	2.35
7	1	7	1.06	7.13
11	1	11	-	2.29
12	1	12	-	2.56
14	1	14	1.12	3.32
15	1	15	-	1.47
16	1	16	-	2.89
21	1	21	-	1.45
24	1	24	1.25	5.81
25	1	25	-	3.42
26	1	26	1.27	3.39
27	1	27	3.46	11.60
39	2	8	-	4.97
40	2	9	1.52	4.79
43	2	12	-	2.82
44	2	13	-	4.82
45	2	14	-	1.87
53	2	22	-	1.64
56	2	25	-	2.04
61	3	2	1.48	9.10
62	3	3	1.92	7.80
63	3	4	1.81	6.70
68	3	9	-	1.25
72	3	13	-	1.68
74	3	15	-	5.27
75	3	16	-	1.62
77	3	18	-	1.26
80	3	21	-	1.15
83	3	24	-	1.09
84	3	25	-	1.36
87	3	28	-	3.33
96	4	6	-	1.36
97	4	7	-	1.05
98	4	8	-	1.30
99	4	9	-	6.78
104	4	14	-	1.66
106	4	16	-	1.45
107	4	17	-	2.52
109	4	19	-	1.81
110	4	20	1.01	6.31
116	4	26	-	5.62
117	4	27	-	1.17
118	4	28	-	3.55
119	4	29	-	6.06
120	4	30	-	4.61
122	5	2	-	1.78
123	5	3	-	3.01
124	5	4	-	2.71
125	5	5	1.39	5.65
126	5	6	-	1.03
127	5	7	-	2.28
131	5	11	-	3.17
132	5	12	-	1.77
134	5	14	-	1.12
146	5	26	-	1.14

			Scenario	
Julian Day	Month	Day	1	2
147	5	27	-	3.61
161	6	10	-	1.53
166	6	15	-	1.35
169	6	18	-	1.42
170	6	19	-	4.80
195	7	14	-	1.00
202	7	21	-	1.25
205	7	24	-	1.22
217	8	5	-	1.04
237	8	25	-	4.24
246	9	3	-	1.16
252	9	9	-	1.86
254	9	11	-	1.97
262	9	19	-	1.97
263	9	20	1.96	9.69
264	9	21	-	4.90
265	9	22	-	3.61
268	9	25	-	1.70
269	9	26	-	2.29
270	9	27	-	1.80
271	9	28	-	5.32
272	9	29	-	1.07
280	10	7	-	4.13
281	10	8	-	2.37
285	10	12	-	1.37
290	10	17	-	1.05
295	10	22	-	1.14
320	11	16	-	1.47
325	11	21	-	4.11
326	11	22	-	1.08
350	12	16	1.71	7.02
351	12	17	1.87	7.14
352	12	18	-	6.93
353	12	19	4.26	16.31
354	12	20	3.43	16.85
355	12	21	2.33	15.87
356	12	22	1.69	11.74
357	12	23	3.19	17.51
362	12	28	1.87	11.88
363	12	29	-	1.20
Number of Days Δ dv >= 1.0			20	96
Maximum Δ dv			4.26	17.51

Table E.9.36 Daniel - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	2.90
6	1	6	-	2.65
7	1	7	1.21	7.87
11	1	11	-	2.36
12	1	12	-	2.68
14	1	14	1.21	3.55
15	1	15	-	1.44
16	1	16	1.02	3.06
21	1	21	-	1.69
24	1	24	1.49	6.67
25	1	25	-	3.99
26	1	26	1.49	3.90
27	1	27	3.46	11.59
39	2	8	-	5.59
40	2	9	1.76	5.41
43	2	12	-	3.19
44	2	13	1.05	5.39
45	2	14	-	2.10
53	2	22	-	1.94
56	2	25	-	2.40
61	3	2	1.70	10.03
62	3	3	2.19	8.60
63	3	4	1.86	6.83
68	3	9	-	1.49
70	3	11	-	1.06
72	3	13	-	1.82
74	3	15	-	5.95
75	3	16	-	1.90
77	3	18	-	1.49
80	3	21	-	1.36
83	3	24	-	1.27
84	3	25	-	1.50
87	3	28	-	3.81
96	4	6	-	1.28
98	4	8	-	1.20
99	4	9	-	5.67
104	4	14	-	1.61
106	4	16	-	1.37
107	4	17	-	2.36
109	4	19	-	1.72
110	4	20	-	5.53
116	4	26	-	5.14
117	4	27	-	1.04
118	4	28	-	3.22
119	4	29	-	5.52
120	4	30	-	3.62
122	5	2	-	1.57
123	5	3	-	2.40
124	5	4	-	1.85
125	5	5	1.05	4.49
127	5	7	-	1.92
131	5	11	-	2.56
132	5	12	-	1.46
147	5	27	-	2.72
161	6	10	-	1.16
166	6	15	-	1.32

			Scenario	
Julian Day	Month	Day	1	2
169	6	18	-	1.31
170	6	19	-	4.37
202	7	21	-	1.02
205	7	24	-	1.04
237	8	25	-	3.44
252	9	9	-	1.54
254	9	11	-	1.69
262	9	19	-	1.46
263	9	20	1.51	8.04
264	9	21	-	3.43
265	9	22	-	2.76
268	9	25	-	1.35
269	9	26	-	1.99
270	9	27	-	1.47
271	9	28	-	4.51
280	10	7	-	4.65
281	10	8	-	2.70
285	10	12	-	1.58
290	10	17	-	1.21
295	10	22	-	1.31
320	11	16	-	1.69
325	11	21	-	4.65
326	11	22	-	1.24
350	12	16	1.82	7.35
351	12	17	1.92	7.32
352	12	18	-	7.25
353	12	19	4.48	16.82
354	12	20	3.41	16.81
355	12	21	2.35	15.94
356	12	22	1.77	12.08
357	12	23	3.21	17.56
362	12	28	2.03	12.48
363	12	29	-	1.31
Number of Days Δ dv >= 1.0			21	89
Maximum Δ dv			4.48	17.56

Table E.9.37 Farson - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
3	1	3	1.37	5.11
4	1	4	-	2.46
7	1	7	1.81	5.25
17	1	17	-	3.14
18	1	18	-	2.01
21	1	21	-	2.47
22	1	22	6.40	13.46
23	1	23	3.06	8.23
24	1	24	-	2.65
28	1	28	3.08	8.73
29	1	29	-	2.35
30	1	30	3.00	7.18
41	2	10	3.72	6.88
43	2	12	-	2.15
46	2	15	2.26	5.18
52	2	21	2.12	4.25
53	2	22	5.81	10.14
54	2	23	6.39	12.73
55	2	24	2.03	5.67
56	2	25	-	2.93
57	2	26	7.44	12.61
58	2	27	-	1.46
59	2	28	-	2.08
60	3	1	1.23	4.13
74	3	15	-	1.35
76	3	17	3.73	11.46
78	3	19	-	1.22
86	3	27	-	1.32
90	3	31	-	1.58
92	4	2	-	2.40
96	4	6	-	1.39
98	4	8	-	1.71
100	4	10	-	1.12
109	4	19	-	2.04
111	4	21	-	1.52
113	4	23	-	1.73
115	4	25	-	1.44
116	4	26	-	1.82
119	4	29	1.91	4.04
120	4	30	3.87	9.25
121	5	1	-	1.73
122	5	2	-	1.37
123	5	3	2.63	5.69
124	5	4	-	1.63
128	5	8	1.25	3.05
133	5	13	4.24	8.11
137	5	17	1.17	2.69
139	5	19	1.40	2.97
140	5	20	1.96	4.66
142	5	22	1.92	3.98
147	5	27	2.17	4.97
148	5	28	5.24	8.94
157	6	6	-	1.80
161	6	10	-	1.42
162	6	11	-	1.22
184	7	3	-	3.30

			Scenario	
Julian Day	Month	Day	1	2
188	7	7	1.32	2.58
231	8	19	-	1.28
256	9	13	-	1.16
267	9	24	-	1.53
273	9	30	-	1.04
274	10	1	1.22	4.12
275	10	2	-	1.49
276	10	3	2.28	5.44
279	10	6	1.19	3.15
282	10	9	-	2.02
283	10	10	-	1.59
284	10	11	2.49	4.58
289	10	16	-	1.97
290	10	17	-	1.84
291	10	18	1.17	3.38
297	10	24	2.66	6.53
309	11	5	-	2.23
319	11	15	-	1.36
320	11	16	-	1.63
321	11	17	2.86	6.16
322	11	18	4.71	9.13
323	11	19	-	1.75
324	11	20	1.45	5.73
325	11	21	2.04	4.84
326	11	22	-	1.81
327	11	23	-	1.80
332	11	28	1.35	4.19
350	12	16	-	2.05
354	12	20	4.07	7.92
355	12	21	7.21	13.14
356	12	22	2.16	6.09
357	12	23	1.60	4.32
358	12	24	2.39	5.19
359	12	25	1.79	5.13
360	12	26	1.68	4.36
361	12	27	-	1.36
362	12	28	-	1.48
363	12	29	1.42	4.38
364	12	30	1.37	3.70
Number of Days Δ dv >= 1.0			47	95
Maximum Δ dv			7.44	13.46

Table E.9.38 Farson - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
3	1	3	1.48	5.43
4	1	4	-	2.63
7	1	7	1.90	5.48
17	1	17	-	3.17
18	1	18	-	2.06
21	1	21	-	2.63
22	1	22	6.83	14.12
23	1	23	3.29	8.72
24	1	24	-	2.76
28	1	28	3.17	8.95
29	1	29	-	2.53
30	1	30	3.24	7.65
41	2	10	4.06	7.42
43	2	12	-	2.39
46	2	15	2.34	5.32
52	2	21	2.16	4.32
53	2	22	5.59	9.82
54	2	23	6.41	12.78
55	2	24	2.07	5.76
56	2	25	-	2.97
57	2	26	7.64	12.89
58	2	27	-	1.59
59	2	28	-	2.22
60	3	1	1.29	4.30
74	3	15	-	1.38
76	3	17	4.06	12.17
78	3	19	-	1.41
86	3	27	-	1.54
90	3	31	-	1.85
92	4	2	-	2.27
96	4	6	-	1.33
98	4	8	-	1.47
109	4	19	-	1.34
111	4	21	-	1.12
113	4	23	-	1.19
115	4	25	-	1.11
116	4	26	-	1.27
119	4	29	1.43	3.10
120	4	30	3.04	7.62
121	5	1	-	1.29
123	5	3	1.72	3.91
124	5	4	-	1.27
128	5	8	1.06	2.61
133	5	13	3.32	6.59
137	5	17	1.05	2.43
139	5	19	1.29	2.75
140	5	20	1.81	4.36
142	5	22	1.64	3.43
147	5	27	1.51	3.59
148	5	28	4.06	7.17
157	6	6	-	1.67
161	6	10	-	1.21
162	6	11	-	1.01
184	7	3	-	2.69
188	7	7	1.11	2.20
231	8	19	-	1.10

			Scenario	
Julian Day	Month	Day	1	2
267	9	24	-	1.27
274	10	1	-	3.46
275	10	2	-	1.67
276	10	3	2.54	5.97
279	10	6	1.31	3.43
282	10	9	-	2.30
283	10	10	-	1.82
284	10	11	2.82	5.13
289	10	16	-	2.24
290	10	17	-	2.09
291	10	18	1.34	3.81
297	10	24	2.70	6.61
309	11	5	-	2.48
319	11	15	-	1.27
320	11	16	-	1.55
321	11	17	2.78	6.01
322	11	18	4.73	9.16
323	11	19	-	1.91
324	11	20	1.51	5.94
325	11	21	2.15	5.08
326	11	22	-	2.01
327	11	23	-	1.95
332	11	28	1.48	4.56
350	12	16	-	2.13
354	12	20	4.21	8.14
355	12	21	7.49	13.52
356	12	22	2.31	6.42
357	12	23	1.72	4.59
358	12	24	2.58	5.55
359	12	25	1.94	5.50
360	12	26	1.82	4.67
361	12	27	-	1.50
362	12	28	-	1.62
363	12	29	1.54	4.72
364	12	30	1.38	3.74
Number of Days Δ dv >= 1.0			46	91
Maximum Δ dv			7.64	14.12

Table E.9.39 La Barge - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
6	1	6	7.67	14.23
7	1	7	3.58	9.37
17	1	17	-	1.39
20	1	20	-	1.43
21	1	21	1.39	4.28
22	1	22	-	1.65
23	1	23	1.57	5.34
24	1	24	-	1.19
27	1	27	-	1.62
28	1	28	6.73	12.81
30	1	30	-	1.81
39	2	8	-	1.17
40	2	9	1.12	1.68
61	3	2	-	1.44
74	3	15	-	1.85
89	3	30	-	1.23
99	4	9	-	1.56
108	4	18	-	1.27
109	4	19	-	3.61
112	4	22	-	3.24
113	4	23	1.12	2.42
114	4	24	-	2.15
117	4	27	-	1.35
118	4	28	-	2.66
119	4	29	-	1.77
122	5	2	1.44	3.81
123	5	3	-	1.63
124	5	4	2.59	4.80
125	5	5	1.33	2.15
130	5	10	-	1.12
131	5	11	-	1.03
132	5	12	-	3.44
134	5	14	-	1.70
135	5	15	-	1.10
143	5	23	1.29	2.43
144	5	24	-	1.31
147	5	27	-	1.34
148	5	28	-	4.16
149	5	29	1.21	3.02
150	5	30	-	2.35
155	6	4	-	1.44
156	6	5	1.69	3.51
160	6	9	1.29	1.85
161	6	10	-	1.70
162	6	11	3.23	7.33
163	6	12	-	2.38
172	6	21	-	1.02
175	6	24	-	1.24
180	6	29	1.22	1.48
201	7	20	1.35	2.84
202	7	21	-	3.11
205	7	24	-	1.08
213	8	1	-	1.26
216	8	4	-	1.01
235	8	23	-	1.11
262	9	19	-	1.51

			Scenario	
Julian Day	Month	Day	1	2
264	9	21	-	3.17
265	9	22	1.64	2.42
268	9	25	1.13	1.97
273	9	30	1.12	8.02
274	10	1	-	1.19
352	12	18	2.16	3.96
354	12	20	1.41	3.37
355	12	21	2.75	7.30
356	12	22	1.87	5.05
357	12	23	-	1.57
363	12	29	-	1.93
Number of Days Δ dv >= 1.0			24	67
Maximum Δ dv			7.67	14.23

Table E.9.40 La Barge - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
6	1	6	8.27	15.06
7	1	7	3.88	9.96
17	1	17	-	1.47
20	1	20	-	1.44
21	1	21	1.52	4.62
22	1	22	-	1.95
23	1	23	1.87	6.16
24	1	24	-	1.42
27	1	27	-	1.57
28	1	28	6.72	12.81
30	1	30	-	2.12
39	2	8	-	1.27
40	2	9	1.16	1.75
61	3	2	1.03	1.65
74	3	15	-	1.78
87	3	28	-	1.10
89	3	30	-	1.41
109	4	19	-	3.10
112	4	22	-	2.74
113	4	23	-	1.57
114	4	24	-	1.62
117	4	27	-	1.00
118	4	28	-	2.26
119	4	29	-	1.15
122	5	2	-	2.37
123	5	3	-	1.17
124	5	4	1.70	3.28
125	5	5	-	1.52
132	5	12	-	2.11
143	5	23	-	1.57
148	5	28	-	2.55
149	5	29	-	1.87
150	5	30	-	1.95
156	6	5	1.11	2.37
160	6	9	-	1.08
162	6	11	2.08	5.03
163	6	12	-	2.11
180	6	29	1.00	1.21
201	7	20	1.09	2.34
202	7	21	-	2.36
213	8	1	-	1.10
262	9	19	-	1.25
264	9	21	-	2.64
265	9	22	1.04	1.56
268	9	25	-	1.22
273	9	30	-	5.49
352	12	18	2.31	4.21
354	12	20	1.54	3.65
355	12	21	3.06	7.97
356	12	22	2.13	5.62
357	12	23	-	1.77
362	12	28	-	1.04
363	12	29	-	2.14
Number of Days Δ dv >= 1.0			17	53
Maximum Δ dv			8.27	15.06

Table E.9.41 Merna - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	2.92
6	1	6	-	2.28
7	1	7	-	1.65
24	1	24	-	2.81
25	1	25	1.24	3.26
26	1	26	-	1.28
27	1	27	3.24	7.89
39	2	8	-	2.87
40	2	9	-	2.55
44	2	13	1.10	5.10
61	3	2	-	3.08
62	3	3	-	4.55
74	3	15	-	1.04
87	3	28	1.08	3.47
99	4	9	-	1.00
106	4	16	-	1.16
107	4	17	-	2.14
109	4	19	-	1.37
110	4	20	-	1.88
118	4	28	-	2.00
119	4	29	-	1.01
122	5	2	-	1.68
123	5	3	-	1.59
124	5	4	-	1.52
125	5	5	2.04	6.12
126	5	6	-	1.11
127	5	7	-	1.20
131	5	11	-	1.40
134	5	14	-	1.01
147	5	27	-	2.40
161	6	10	-	1.33
180	6	29	-	1.07
263	9	20	1.01	6.88
264	9	21	-	2.07
265	9	22	-	1.10
269	9	26	-	1.15
270	9	27	-	1.33
350	12	16	-	1.29
351	12	17	-	4.04
352	12	18	-	2.61
353	12	19	2.16	8.29
354	12	20	2.13	9.52
355	12	21	1.58	10.88
356	12	22	1.26	8.29
357	12	23	1.48	9.90
362	12	28	-	4.15
Number of Days Δ dv >= 1.0			11	46
Maximum Δ dv			3.24	10.88

Table E.9.42 Merna - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
5	1	5	-	3.42
6	1	6	-	2.58
7	1	7	-	1.88
24	1	24	-	3.29
25	1	25	1.47	3.80
26	1	26	-	1.50
27	1	27	3.24	7.88
39	2	8	-	3.27
40	2	9	-	2.92
44	2	13	1.25	5.70
61	3	2	-	3.50
62	3	3	1.13	5.10
74	3	15	-	1.21
75	3	16	-	1.04
87	3	28	1.26	3.97
106	4	16	-	1.10
107	4	17	-	2.00
109	4	19	-	1.30
110	4	20	-	1.61
118	4	28	-	1.80
122	5	2	-	1.48
123	5	3	-	1.25
124	5	4	-	1.02
125	5	5	1.56	4.89
126	5	6	-	1.00
127	5	7	-	1.00
131	5	11	-	1.11
147	5	27	-	1.78
161	6	10	-	1.00
263	9	20	-	5.58
264	9	21	-	1.38
270	9	27	-	1.09
350	12	16	-	1.37
351	12	17	-	4.15
352	12	18	-	2.76
353	12	19	2.28	8.65
354	12	20	2.12	9.49
355	12	21	1.59	10.93
356	12	22	1.33	8.57
357	12	23	1.49	9.94
362	12	28	-	4.45
Number of Days Δ dv >= 1.0			11	41
Maximum Δ dv			3.24	10.93

Table E.9.43 Pinedale - Summary of Days Above Visibility Thresholds Using FLAG Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
6	1	6	-	1.19
7	1	7	1.57	7.62
8	1	8	-	2.68
9	1	9	-	5.69
10	1	10	-	4.51
11	1	11	1.80	7.63
12	1	12	2.02	6.00
13	1	13	1.50	5.89
14	1	14	2.25	7.70
15	1	15	-	7.01
16	1	16	1.34	5.52
21	1	21	-	1.63
23	1	23	-	1.68
24	1	24	1.05	5.92
26	1	26	-	2.27
27	1	27	-	4.52
30	1	30	-	1.27
39	2	8	-	1.55
40	2	9	1.31	5.04
41	2	10	-	1.07
43	2	12	-	3.06
44	2	13	-	3.32
45	2	14	-	3.95
46	2	15	-	4.13
49	2	18	-	1.31
53	2	22	-	1.46
56	2	25	-	1.29
60	3	1	-	1.73
61	3	2	1.80	5.75
62	3	3	1.13	4.03
63	3	4	1.18	3.89
64	3	5	-	1.46
65	3	6	-	2.52
67	3	8	-	1.95
68	3	9	1.07	3.11
69	3	10	1.26	2.79
70	3	11	-	1.20
71	3	12	-	3.03
72	3	13	1.69	7.18
73	3	14	-	2.89
74	3	15	-	2.41
78	3	19	-	1.01
81	3	22	-	1.52
84	3	25	-	2.53
86	3	27	-	1.05
87	3	28	-	2.52
96	4	6	-	1.09
97	4	7	-	1.54
99	4	9	-	5.47
110	4	20	-	5.50
111	4	21	-	1.29
115	4	25	-	1.04
116	4	26	-	3.99
118	4	28	-	1.37
119	4	29	-	3.06
120	4	30	-	6.57
121	5	1	-	2.70

			Scenario	
Julian Day	Month	Day	1	2
123	5	3	-	1.37
124	5	4	-	1.11
125	5	5	-	1.49
131	5	11	-	1.05
132	5	12	-	2.37
134	5	14	-	1.41
147	5	27	-	1.07
170	6	19	-	2.17
223	8	11	-	1.25
224	8	12	-	2.97
236	8	24	-	5.50
237	8	25	-	2.96
249	9	6	-	1.12
252	9	9	-	1.47
254	9	11	-	1.29
262	9	19	-	1.89
263	9	20	-	7.20
264	9	21	-	4.71
265	9	22	-	5.04
268	9	25	-	1.22
269	9	26	-	1.40
270	9	27	-	1.50
271	9	28	-	2.54
279	10	6	-	1.40
280	10	7	-	1.47
281	10	8	-	1.24
285	10	12	-	1.63
295	10	22	-	2.02
304	10	31	-	1.68
305	11	1	-	3.96
310	11	6	-	1.93
311	11	7	-	1.23
312	11	8	-	1.11
314	11	10	-	1.00
325	11	21	-	2.00
326	11	22	-	1.09
328	11	24	-	1.11
331	11	27	-	1.20
336	12	2	-	1.55
338	12	4	-	1.63
340	12	6	-	2.07
342	12	8	-	2.12
344	12	10	-	2.68
345	12	11	-	8.80
346	12	12	-	3.69
347	12	13	-	5.39
348	12	14	-	1.11
350	12	16	1.09	6.84
352	12	18	-	1.53
353	12	19	4.27	12.00
354	12	20	3.97	14.82
355	12	21	2.27	11.03
356	12	22	1.58	11.88
357	12	23	4.87	17.91
358	12	24	-	1.58
361	12	27	-	1.52
362	12	28	3.24	9.35
363	12	29	-	1.14
Number of Days Δ dv >= 1.0			21	115
Maximum Δ dv			4.87	17.91

Table E.9.44 Pinedale - Summary of Days Above Visibility Thresholds Using IMPROVE Background Data
Predicted Δ dv Shown for Early Project Development Stage - Direct and Cumulative Modeled Scenarios - MVISBK=2

			Scenario	
Julian Day	Month	Day	1	2
6	1	6	-	1.36
7	1	7	1.78	8.39
8	1	8	-	2.88
9	1	9	-	5.93
10	1	10	-	4.82
11	1	11	1.86	7.81
12	1	12	2.11	6.23
13	1	13	1.68	6.47
14	1	14	2.42	8.15
15	1	15	-	6.90
16	1	16	1.42	5.81
21	1	21	-	1.90
23	1	23	-	1.99
24	1	24	1.25	6.79
26	1	26	-	2.63
27	1	27	-	4.51
30	1	30	-	1.48
39	2	8	-	1.79
40	2	9	1.51	5.68
41	2	10	-	1.22
43	2	12	-	3.46
44	2	13	-	3.74
45	2	14	1.07	4.38
46	2	15	-	4.61
49	2	18	-	1.53
53	2	22	-	1.72
56	2	25	-	1.52
60	3	1	-	1.95
61	3	2	2.07	6.44
62	3	3	1.29	4.53
63	3	4	1.22	3.98
64	3	5	-	1.61
65	3	6	-	2.87
67	3	8	-	2.28
68	3	9	1.26	3.62
69	3	10	1.49	3.27
70	3	11	-	1.39
71	3	12	-	3.02
72	3	13	1.83	7.62
73	3	14	-	3.26
74	3	15	-	2.77
75	3	16	-	1.05
78	3	19	-	1.19
81	3	22	-	1.67
84	3	25	-	2.78
86	3	27	-	1.22
87	3	28	-	2.90
96	4	6	-	1.03
97	4	7	-	1.45
99	4	9	-	4.53
110	4	20	-	4.80
111	4	21	-	1.22
116	4	26	-	3.63
118	4	28	-	1.23
119	4	29	-	2.75
120	4	30	-	5.25

			Scenario	
Julian Day	Month	Day	1	2
121	5	1	-	2.30
123	5	3	-	1.07
125	5	5	-	1.13
132	5	12	-	1.96
134	5	14	-	1.20
170	6	19	-	1.96
223	8	11	-	1.04
224	8	12	-	2.50
236	8	24	-	4.39
237	8	25	-	2.38
252	9	9	-	1.22
254	9	11	-	1.10
262	9	19	-	1.40
263	9	20	-	5.86
264	9	21	-	3.28
265	9	22	-	3.92
269	9	26	-	1.21
270	9	27	-	1.23
271	9	28	-	2.11
279	10	6	-	1.43
280	10	7	-	1.69
281	10	8	-	1.42
285	10	12	-	1.88
286	10	13	-	1.12
295	10	22	-	2.31
304	10	31	-	1.64
305	11	1	-	4.33
310	11	6	-	2.20
311	11	7	-	1.40
312	11	8	-	1.26
314	11	10	-	1.14
320	11	16	-	1.08
325	11	21	-	2.30
326	11	22	-	1.25
328	11	24	-	1.28
330	11	26	-	1.13
331	11	27	-	1.30
336	12	2	-	1.77
338	12	4	-	1.87
340	12	6	-	2.37
342	12	8	-	2.42
344	12	10	-	3.03
345	12	11	-	8.79
346	12	12	-	3.84
347	12	13	-	5.07
348	12	14	-	1.11
350	12	16	1.16	7.17
352	12	18	-	1.62
353	12	19	4.49	12.44
354	12	20	3.95	14.78
355	12	21	2.29	11.09
356	12	22	1.65	12.23
357	12	23	4.90	17.96
358	12	24	-	1.72
361	12	27	-	1.64
362	12	28	3.48	9.88
363	12	29	-	1.24
Number of Days Δ dv >= 1.0			22	113
Maximum Δ dv			4.90	17.96

Table E.10.1 - Summary of Maximum Modeled NO_2 Concentration Impacts ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources

		Bridger Wilderness Class I		Fitzpatrick Wilderness Class I		Popo Agie Wilderness Class II		Wind River Roadless Area Class II	
		Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]
Alternative	WDR	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Early Project Development	--	0.049	3.45	0.004	3.40	0.016	3.42	0.007	3.41
Early Project Development and Regional Sources	--	0.333	3.73	0.035	3.43	0.085	3.49	0.050	3.45

		Grand Teton National Park Class I		Teton Wilderness Class I		Yellowstone National Park Class I		Washakie Wilderness Area Class I	
		Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]	Direct Modeled Impact	Total Concentration[1]
Alternative	WDR	Annual	Annual	Annual	Annual	Annual	Annual	Annual	Annual
Early Project Development	--	0.003	3.40	0.001	3.40	0.001	3.40	0.001	3.40
Early Project Development and Regional Sources	--	0.045	3.44	0.016	3.42	0.010	3.41	0.017	3.42

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 100 $\mu g/m^3$ on an annual basis.

Table E.10.2 - Summary of Maximum Modeled SO_2 Concentration ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources

		Bridger Wilderness Class I						Fitzpatrick Wilderness Class I						Popo Agie Wilderness Class II						Wind River Roadless Area Class II					
		Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]		
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual
Early Project Development	--	0.224	0.064	0.004	132.2	43.1	9.0	0.066	0.015	0.001	132.1	43.0	9.0	0.082	0.018	0.002	132.1	43.0	9.0	0.048	0.015	0.001	132.0	43.0	9.0
Early Project Development and Regional Sources	--	0.847	**0.210**	0.014	132.8	43.2	9.0	0.249	0.064	0.001	132.2	43.1	9.0	0.204	0.048	0.002	132.2	43.0	9.0	0.230	0.056	0.002	132.2	43.1	9.0

		Grand Teton National Park Class I						Teton Wilderness Class I						Yellowstone National Park Class I						Washakie Wilderness Area Class I					
		Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]			Direct Modeled Impact			Total Concentration[1]		
Alternative	WDR	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual
Early Project Development	--	0.037	0.011	0.000	132.0	43.0	9.0	0.019	0.007	0.000	132.0	43.0	9.0	0.015	0.006	0.000	132.0	43.0	9.0	0.018	0.005	0.000	132.0	43.0	9.0
Early Project Development and Regional Sources	--	0.354	0.093	0.008	132.4	43.1	9.0	0.093	0.029	0.003	132.1	43.0	9.0	0.096	0.025	0.002	132.1	43.0	9.0	0.076	0.019	0.001	132.1	43.0	9.0

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 1,300 $\mu g/m^3$ on a 3-hour basis, 365/260 $\mu g/m^3$ on a 24-hour basis and 80/60 $\mu g/m^3$ on an annual basis.

Table E.10.3 - Summary of Maximum Modeled PM_{10} Concentration Impacts ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources

		Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Popo Agie Wilderness Class II				Wind River Roadless Area Class II			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Early Project Development	--	0.956	0.047	34.0	16.0	0.269	0.010	33.3	16.0	0.318	0.022	33.3	16.0	0.302	0.013	33.3	16.0
Early Project Development and Regional Sources	--	2.560	0.171	35.6	16.2	0.968	0.044	34.0	16.0	0.976	0.073	34.0	16.1	0.988	0.053	34.0	16.1

		Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park Class I				Washakie Wilderness Area Class I			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Early Project Development	--	0.303	0.007	33.3	16.0	0.255	0.004	33.3	16.0	0.208	0.003	33.2	16.0	0.152	0.004	33.2	16.0
Early Project Development and Regional Sources	--	0.792	0.039	33.8	16.0	0.385	0.024	33.4	16.0	0.339	0.015	33.3	16.0	0.533	0.020	33.5	16.0

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS whaich are 150 $\mu g/m^3$ on a 24-hour basis and 50 $\mu g/m^3$ on an annual basis.

Table E.10.4 - Summary of Maximum Modeled $PM_{2.5}$ Concentration Impacts ($\mu g/m^3$) at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources

		Bridger Wilderness Class I				Fitzpatrick Wilderness Class I				Popo Agie Wilderness Class II				Wind River Roadless Area Class II			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Early Project Development	--	0.956	0.047	14.0	5.1	0.269	0.010	13.3	5.0	0.318	0.022	13.3	5.0	0.302	0.013	13.3	5.0
Early Project Development and Regional Sources	--	2.550	0.173	15.5	5.2	0.962	0.045	14.0	5.1	0.972	0.076	14.0	5.1	0.983	0.054	14.0	5.1

		Grand Teton National Park Class I				Teton Wilderness Class I				Yellowstone National Park Class I				Washakie Wilderness Area Class I			
		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]		Direct Modeled Impact		Total Concentration[1]	
Alternative	WDR	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Early Project Development	--	0.213	0.006	13.2	5.0	0.145	0.004	13.1	5.0	0.120	0.003	13.1	5.0	0.152	0.004	13.2	5.0
Early Project Development and Regional Sources	--	0.788	0.039	13.8	5.0	0.384	0.024	13.4	5.0	0.338	0.015	13.3	5.0	0.534	0.021	13.5	5.0

[1] Total concentration includes direct modeled impact and background concentration for comparison to NAAQS/WAAQS which are 65 $\mu g/m^3$ on a 24-hour basis and 15 $\mu g/m^3$ on an annual basis.

Table E.10.5 - Summary of Maximum Modeled In-field Pollutant Concentrations ($\mu g/m^3$) from Early Project Development Stage and Regional Sources Within the JIDPA Compared to NAAQS/WAAQS

		NO_2			SO_2									PM_{10}						$PM_{2.5}$					
		Direct Modeled Impact	Total Concentration[1]	NAAQS/ WAAQS	Direct Modeled Impact			Total Concentration[1]			NAAQS/WAAQS			Direct Modeled Impact		Total Concentration[1]		NAAQS/WAAQS		Direct Modeled Impact		Total Concentration[1]		NAAQS/WAAQS	
Alternative	WDR	Annual	Annual	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	3-hr	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual	24-hr	Annual
Early Project Development	--	18.8	22.2	100	30.5	9.7	1.2	162.5	52.7	10.2	1,300	365/260	80/60	82.6	12.9	115.6	28.9	150	50	36.2	6.2	49.2	11.2	65	15
Early Project Development and Regional Sources	--	27.1	30.5	100	37.7	12.1	1.7	169.7	55.1	10.7	1,300	365/260	80/60	89.0	15.0	122.0	31.0	150	50	49.4	8.2	62.4	13.2	65	15

[1] Total concentration includes direct modeled impact and background concentration.

Table E.10.6 - Summary of Maximum Modeled Nitrogen (N) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive Class II Areas from Early Project Development Stage and Regional Sources[1]

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Agie Wilderness Class II	Wind River Roadless Area Class II
Early Project Development	--	0.0134	0.0031	0.0093	0.0048
Early Project Development and Regional Sources	--	0.0961	0.0249	0.0491	0.0327
Total Impact[2]	--	1.5961	1.5249	1.5491	1.5327

Alternative	WDR	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
Early Project Development	--	0.0019	0.0011	0.0007	0.0013
Early Project Development and Regional Sources	--	0.0202	0.0113	0.0076	0.0120
Total Impact[2]	--	1.5202	1.5113	1.5076	1.5120

[1] Nitrogen deposition analysis threshold for direct Project impacts = 0.005 kg/ha-yr, level of concern for total impacts is 3.00 kg/ha-yr.

[2] Total impact includes N deposition value of 1.5 kg/ha-yr measured near Pinedale for the year 2001.

Table E.10.7 - Summary of Maximum Modeled Sulfur (S) Deposition Impacts (kg/ha-yr) at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources[1]

Alternative	WDR	Bridger Wilderness Class I	Fitzpatrick Wilderness Class I	Popo Agie Wilderness Class II	Wind River Roadless Area Class II
Early Project Development	--	0.00176	0.00051	0.00135	0.00077
Early Project Development and Regional Sources	--	0.0062	0.0010	0.0012	0.0010
Total Impact[2]	--	0.7562	0.7510	0.7512	0.7510

Alternative	WDR	Grand Teton National Park Class I	Teton Wilderness Class I	Yellowstone National Park Class I	Washakie Wilderness Area Class I
Early Project Development	--	0.00030	0.00018	0.00011	0.00020
Early Project Development and Regional Sources	--	0.0048	0.0023	0.0015	0.0009
Total Impact[2]	--	0.7548	0.7523	0.7515	0.7509

[1] Sulfur deposition analysis threshold for direct Project impacts = 0.005 kg/ha-yr, level of concern for total impacts is 5.00 kg/ha-yr.

[2] Total impact includes S deposition value of 0.75 kg/ha-yr measured near Pinedale for the year 2001.

Table E.10.8 - Summary of Maximum Modeled Change in ANC (μeq/L) at Acid Sensitive Lakes from Early Project Development Stage and Regional Sources

		Black Joe Lake		Deep Lake		Hobbs Lake		Lazy Boy Lake	
		Bridger Wilderness Class I		Bridger Wilderness Class I		Bridger Wilderness Class I		Bridger Wilderness Class I	
		ANC Change	Percent ANC Change	ANC Change	Percent ANC Change	ANC Change	Percent ANC Change	ANC Change	Percent ANC Change
Alternative	WDR	(μeq/L)	(%)	(μeq/L)	(%)	(μeq/L)	(%)	(μeq/L)	(%)
Level of Acceptable Change (meq/L)	--	6.70	--	5.99	--	6.99	--	1.00	--
Background	--	67.0	--	59.9	--	69.9	--	18.8	--
Early Project Development	--	0.064	0.10%	0.068	0.11%	0.040	0.06%	0.021	0.11%
Early Project Development and Regional Sources	--	0.350	0.52%	0.371	0.62%	0.278	0.40%	0.141	0.75%

		Upper Frozen Lake		Lower Saddlebag		Ross Lake	
		Bridger Wilderness Class I		Popo Agie Wilderness Class II		Fitzpatrick Wilderness Class I	
		ANC Change	Percent ANC Change	ANC Change	Percent ANC Change	ANC Change	Percent ANC Change
Alternative	WDR	(μeq/L)	(%)	(μeq/L)	(%)	(μeq/L)	(%)
Level of Acceptable Change (meq/L)	--	1.00	--	5.55	--	5.35	--
Background	--	5.0	--	55.5	--	53.5	--
Early Project Development	--	0.073	1.45%	0.079	0.14%	0.019	0.04%
Early Project Development and Regional Sources	--	0.398	7.96%	0.394	0.71%	0.136	0.26%

Table E.10.9 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources Using FLAG Background Data - MVISBK = 6

Alternative		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	2.19	28	8	0.86	4	0	0.95	6	0	0.91	2	0
Early Project Development and Regional Sources	--	6.04	124	61	3.06	25	11	3.04	50	20	3.08	32	12

Alternative		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	0.66	1	0	0.36	0	0	0.32	0	0	0.42	0	0
Early Project Development and Regional Sources	--	2.60	24	8	1.31	15	4	1.21	6	3	1.66	9	2

Note: Δdv = change in deciview.

Table E.10.10 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources Using IMPROVE Background Data - MVISBK = 6

Alternative		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	2.42	34	9	0.95	5	0	1.06	10	2	1.01	3	1
Early Project Development and Regional Sources	--	6.57	128	59	3.37	27	11	3.35	51	23	3.39	31	15

Alternative		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	0.67	1	0	0.37	0	0	0.32	0	0	0.43	0	0
Early Project Development and Regional Sources	--	2.63	20	8	1.33	12	4	1.23	5	3	1.70	10	2

Note: Δdv = change in deciview.

Table E.10.11 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources Using FLAG Background Data - MVISBK = 2

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
Alternative		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	5.92	46	22	2.40	9	3	1.46	21	1	1.16	3	2
Early Project Development and Regional Sources	--	13.51	147	94	8.12	53	26	4.98	93	50	6.39	33	17

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
Alternative		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	1.59	8	2	1.18	5	1	1.04	2	1	0.81	2	0
Early Project Development and Regional Sources	--	4.46	52	31	3.94	44	28	3.54	33	16	3.79	23	13

Note: Δdv = change in deciview.

Table E.10.12 - Summary of Maximum Modeled Visibility Impacts at PSD Class I and Sensitive PSD Class II Areas from Early Project Development Stage and Regional Sources Using IMPROVE Background Data - MVISBK = 2

		Bridger Wilderness Class I			Fitzpatrick Wilderness Class I			Popo Agie Wilderness Class II			Wind River Roadless Area Class II		
Alternative		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	5.95	47	21	2.42	8	4	1.08	18	1	1.11	3	1
Early Project Development and Regional Sources	--	13.56	143	95	8.15	52	19	3.67	89	49	3.83	32	17

		Grand Teton National Park Class I			Teton Wilderness Class I			Yellowstone National Park Class I			Washakie Wilderness Area Class I		
Alternative		Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)	Maximum Visibility Impact (Δdv)	Number of Days > 0.5 Δdv (days)	Number of Days > 1.0 Δdv (days)
Early Project Development	--	1.32	5	1	0.97	3	0	0.85	2	0	0.80	2	0
Early Project Development and Regional Sources	--	3.76	46	26	3.32	36	20	2.98	29	11	3.02	20	10

Note: Δdv = change in deciview.

Table E.10.13 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Project Development Stage and Regional Sources Using FLAG Background Data - MVISBK = 6

	Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	5.91	24	3.33	21	3.06	13	1.56	4	1.96	9
Early Project Development and Regional Sources	13.31	85	7.60	107	9.83	131	8.92	63	9.25	71

	Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	2.65	13	4.74	31	5.11	10	2.15	6	2.67	12
Early Project Development and Regional Sources	11.88	88	9.89	77	10.14	37	5.58	33	9.38	107

[1] Δdv = change in deciview.

Table E.10.14 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Project Development Stage and Regional Sources Using IMPROVE Background Data - MVISBK = 6

	Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	6.62	24	3.66	24	3.37	18	1.79	8	2.17	11
Early Project Development and Regional Sources	14.43	79	8.42	108	10.59	130	9.60	56	9.95	73

	Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	2.93	14	5.18	33	5.73	11	2.46	7	2.94	14
Early Project Development and Regional Sources	12.68	86	10.85	77	11.12	39	6.25	33	10.32	113

[1] Δdv = change in deciview.

Table E.10.15 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Project Development Stage and Regional Sources Using FLAG Background Data - MVISBK = 2

	Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	8.34	44	7.64	27	7.70	18	2.66	16	3.22	16
Early Project Development and Regional Sources	17.65	110	15.89	91	19.09	126	13.04	73	15.34	74

	Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	4.26	20	7.44	47	7.67	24	3.24	11	4.87	21
Early Project Development and Regional Sources	17.51	96	13.46	95	14.23	67	10.88	46	17.91	115

[1] Δdv = change in deciview.

Table E.10.16 - Summary of Maximum Modeled Visibility Impacts at Wyoming Regional Community Locations from Early Project Development Stage and Regional Sources Using IMPROVE Background Data - MVISBK = 2

	Big Piney		Big Sandy		Boulder		Bronx		Cora	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	8.61	34	7.67	29	7.74	20	2.66	16	3.39	20
Early Project Development and Regional Sources	18.55	105	15.94	98	19.14	123	13.08	65	15.39	71

	Daniel		Farson		Labarge		Merna		Pinedale	
Alternative	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)	Maximum Visibility Impact (Δdv)[1]	Number of Days > 1.0 Δdv[1] (days)
Early Project Development	4.48	21	7.64	46	8.27	17	3.24	11	4.90	22
Early Project Development and Regional Sources	17.56	89	14.12	91	15.06	53	10.93	41	17.96	113

[1] Δdv = change in deciview.