APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Spray Drift
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
									Int	Long	Int	Long
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	NA	1.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Hiker/Hunter	NA	1.99E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Hiker/Hunter	NA	3.28E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	NA	8.00E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Hiker/Hunter	NA	5.28E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Hiker/Hunter	NA	8.73E-05	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Berry - child	NA	1.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Berry - child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Berry - child	NA	1.99E-05	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Berry - child	NA	3.28E-05	1.07E+02	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Berry - child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Berry - child	NA	8.00E-04	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Berry - child	NA	5.28E-05	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	High Boom	Berry - child	NA	8.73E-05	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Berry - adult	NA	1.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Berry - adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Berry - adult	NA	1.99E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Berry - adult	NA	3.28E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Berry - adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Berry - adult	NA	8.00E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Berry - adult	NA	5.28E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Berry - adult	NA	8.73E-05	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Angler	NA	1.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Angler	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Angler	NA	1.99E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Angler	NA	3.28E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Angler	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Angler	NA	8.00E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Angler	NA	5.28E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Angler	NA	8.73E-05	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Res-child	NA	1.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Res-child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Res-child	NA	1.99E-05	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Res-child	NA	3.28E-05	1.07E+02	--	NA	NA	--	--

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Spray Drift
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
									Int	Long	Int	Long
Max	Aerial	Agricultural	Helicopter	Res-child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Res-child	NA	8.00E-04	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Res-child	NA	5.28E-05	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	High Boom	Res-child	NA	8.73E-05	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Res-adult	NA	1.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Res-adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Res-adult	NA	1.99E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Res-adult	NA	3.28E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Res-adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Res-adult	NA	8.00E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Res-adult	NA	5.28E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Res-adult	NA	8.73E-05	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	N.A.-child	NA	1.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	N.A.-child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	N.A.-child	NA	1.99E-05	1.07E+02	--	NA	NA	--	--
Typical	Ground	Both	High Boom	N.A.-child	NA	3.28E-05	1.07E+02	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	N.A.-child	NA	3.00E-04	1.07E+02	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	N.A.-child	NA	8.00E-04	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	Low Boom	N.A.-child	NA	5.28E-05	1.07E+02	--	NA	NA	--	--
Max	Ground	Both	High Boom	N.A.-child	NA	8.73E-05	1.07E+02	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	NA	1.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	N.A.-adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	N.A.-adult	NA	1.99E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	N.A.-adult	NA	3.28E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	N.A.-adult	NA	3.00E-04	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	N.A.-adult	NA	8.00E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	N.A.-adult	NA	5.28E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	N.A.-adult	NA	8.73E-05	6.43E+01	--	NA	NA	--	--

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	NA	1.00E-04	2.00E-05	2.86E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	NA	1.99E-05	3.98E-06	2.86E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	NA	3.28E-05	6.56E-06	2.86E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	2.00E-01	NA	8.00E-04	1.60E-04	2.86E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Hiker/Hunter	2.00E-01	NA	5.28E-05	1.06E-05	2.86E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Hiker/Hunter	2.00E-01	NA	8.73E-05	1.75E-05	2.86E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	NA	1.00E-04	2.00E-05	4.00E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	NA	3.00E-04	6.00E-05	4.00E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	NA	1.99E-05	3.98E-06	4.00E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	NA	3.28E-05	6.56E-06	4.00E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	NA	3.00E-04	6.00E-05	4.00E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	NA	8.00E-04	1.60E-04	4.00E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	NA	5.28E-05	1.06E-05	4.00E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Berry - child	2.00E-01	NA	8.73E-05	1.75E-05	4.00E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	NA	1.00E-04	2.00E-05	4.29E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	NA	3.00E-04	6.00E-05	4.29E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	NA	1.99E-05	3.98E-06	4.29E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	NA	3.28E-05	6.56E-06	4.29E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	NA	3.00E-04	6.00E-05	4.29E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	NA	8.00E-04	1.60E-04	4.29E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	NA	5.28E-05	1.06E-05	4.29E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	NA	8.73E-05	1.75E-05	4.29E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Angler	2.00E-01	NA	1.00E-04	2.00E-05	2.86E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Angler	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Angler	2.00E-01	NA	1.99E-05	3.98E-06	2.86E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Angler	2.00E-01	NA	3.28E-05	6.56E-06	2.86E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Angler	2.00E-01	NA	3.00E-04	6.00E-05	2.86E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Angler	2.00E-01	NA	8.00E-04	1.60E-04	2.86E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Angler	2.00E-01	NA	5.28E-05	1.06E-05	2.86E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	Angler	2.00E-01	NA	8.73E-05	1.75E-05	2.86E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	NA	1.00E-04	2.00E-05	6.93E+02	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	NA	3.00E-04	6.00E-05	6.93E+02	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	NA	1.99E-05	3.98E-06	6.93E+02	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Res-child	2.00E-01	NA	3.28E-05	6.56E-06	6.93E+02	--	NA	NA	--	--

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Foliage
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Foliage	Dermal Absorption Factor	Deposition Rate (mg/cm2)	Dislodgeable Foliar Residue (mg/cm2)	Exposure Factor (cm2/kg-day)	Dermal Dose (mg/kg-day)	Dermal NOAELs (mg/kg-day)		MOE (unitless)	
											Int	Long	Int	Long
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	NA	3.00E-04	6.00E-05	6.93E+02	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	NA	8.00E-04	1.60E-04	6.93E+02	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Res-child	2.00E-01	NA	5.28E-05	1.06E-05	6.93E+02	--	NA	NA	--	--
Max	Ground	Both	High Boom	Res-child	2.00E-01	NA	8.73E-05	1.75E-05	6.93E+02	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	NA	1.00E-04	2.00E-05	4.14E+02	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	NA	3.00E-04	6.00E-05	4.14E+02	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	NA	1.99E-05	3.98E-06	4.14E+02	--	NA	NA	--	--
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	NA	3.28E-05	6.56E-06	4.14E+02	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	NA	3.00E-04	6.00E-05	4.14E+02	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	NA	8.00E-04	1.60E-04	4.14E+02	--	NA	NA	--	--
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	NA	5.28E-05	1.06E-05	4.14E+02	--	NA	NA	--	--
Max	Ground	Both	High Boom	Res-adult	2.00E-01	NA	8.73E-05	1.75E-05	4.14E+02	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	NA	1.00E-04	2.00E-05	6.00E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	NA	3.00E-04	6.00E-05	6.00E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	N.A.-child	2.00E-01	NA	1.99E-05	3.98E-06	6.00E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	N.A.-child	2.00E-01	NA	3.28E-05	6.56E-06	6.00E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	N.A.-child	2.00E-01	NA	3.00E-04	6.00E-05	6.00E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	N.A.-child	2.00E-01	NA	8.00E-04	1.60E-04	6.00E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	N.A.-child	2.00E-01	NA	5.28E-05	1.06E-05	6.00E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	N.A.-child	2.00E-01	NA	8.73E-05	1.75E-05	6.00E+01	--	NA	NA	--	--
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	NA	1.00E-04	2.00E-05	6.43E+01	--	NA	NA	--	--
Typical	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	NA	3.00E-04	6.00E-05	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	Low Boom	N.A.-adult	2.00E-01	NA	1.99E-05	3.98E-06	6.43E+01	--	NA	NA	--	--
Typical	Ground	Both	High Boom	N.A.-adult	2.00E-01	NA	3.28E-05	6.56E-06	6.43E+01	--	NA	NA	--	--
Max	Aerial	Agricultural	Helicopter	N.A.-adult	2.00E-01	NA	3.00E-04	6.00E-05	6.43E+01	--	NA	NA	--	--
Max	Aerial	Forestry	Helicopter	N.A.-adult	2.00E-01	NA	8.00E-04	1.60E-04	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	Low Boom	N.A.-adult	2.00E-01	NA	5.28E-05	1.06E-05	6.43E+01	--	NA	NA	--	--
Max	Ground	Both	High Boom	N.A.-adult	2.00E-01	NA	8.73E-05	1.75E-05	6.43E+01	--	NA	NA	--	--

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Berries
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-02	0.18400%
Typical	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Typical	Ground	Both	Low Boom	Berry - child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	5.00E-02	0.03662%
Typical	Ground	Both	High Boom	Berry - child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	5.00E-02	0.06035%
Max	Aerial	Agricultural	Helicopter	Berry - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Max	Aerial	Forestry	Helicopter	Berry - child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	5.00E-02	1.47200%
Max	Ground	Both	Low Boom	Berry - child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	5.00E-02	0.09715%
Max	Ground	Both	High Boom	Berry - child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	5.00E-02	0.16063%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-02	0.18286%
Typical	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Typical	Ground	Both	Low Boom	Berry - adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	5.00E-02	0.03639%
Typical	Ground	Both	High Boom	Berry - adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	5.00E-02	0.05998%
Max	Aerial	Agricultural	Helicopter	Berry - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Max	Aerial	Forestry	Helicopter	Berry - adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	5.00E-02	1.46286%
Max	Ground	Both	Low Boom	Berry - adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	5.00E-02	0.09655%
Max	Ground	Both	High Boom	Berry - adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	5.00E-02	0.15963%
Typical	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-02	0.18400%
Typical	Aerial	Forestry	Helicopter	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Typical	Ground	Both	Low Boom	Res-child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	5.00E-02	0.03662%
Typical	Ground	Both	High Boom	Res-child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	5.00E-02	0.06035%
Max	Aerial	Agricultural	Helicopter	Res-child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Max	Aerial	Forestry	Helicopter	Res-child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	5.00E-02	1.47200%
Max	Ground	Both	Low Boom	Res-child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	5.00E-02	0.09715%
Max	Ground	Both	High Boom	Res-child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	5.00E-02	0.16063%
Typical	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-02	0.18286%
Typical	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Typical	Ground	Both	Low Boom	Res-adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	5.00E-02	0.03639%
Typical	Ground	Both	High Boom	Res-adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	5.00E-02	0.05998%
Max	Aerial	Agricultural	Helicopter	Res-adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Max	Aerial	Forestry	Helicopter	Res-adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	5.00E-02	1.46286%
Max	Ground	Both	Low Boom	Res-adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	5.00E-02	0.09655%
Max	Ground	Both	High Boom	Res-adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	5.00E-02	0.15963%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	1.00E-04	4.60E+00	9.20E-05	5.00E-02	0.18400%
Typical	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Typical	Ground	Both	Low Boom	N.American - child	2.00E-01	1.99E-05	4.60E+00	1.83E-05	5.00E-02	0.03662%
Typical	Ground	Both	High Boom	N.American - child	2.00E-01	3.28E-05	4.60E+00	3.02E-05	5.00E-02	0.06035%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Berries
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Fraction a.i. Retained on Berry	Deposition Rate (mg/cm2)	Exposure Factor (cm2/kg-day)	Absorbed Dose (mg/kg-day)	PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Max	Aerial	Agricultural	Helicopter	N.American - child	2.00E-01	3.00E-04	4.60E+00	2.76E-04	5.00E-02	0.55200%
Max	Aerial	Forestry	Helicopter	N.American - child	2.00E-01	8.00E-04	4.60E+00	7.36E-04	5.00E-02	1.47200%
Max	Ground	Both	Low Boom	N.American - child	2.00E-01	5.28E-05	4.60E+00	4.86E-05	5.00E-02	0.09715%
Max	Ground	Both	High Boom	N.American - child	2.00E-01	8.73E-05	4.60E+00	8.03E-05	5.00E-02	0.16063%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	1.00E-04	4.57E+00	9.14E-05	5.00E-02	0.18286%
Typical	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Typical	Ground	Both	Low Boom	N.American - adult	2.00E-01	1.99E-05	4.57E+00	1.82E-05	5.00E-02	0.03639%
Typical	Ground	Both	High Boom	N.American - adult	2.00E-01	3.28E-05	4.57E+00	3.00E-05	5.00E-02	0.05998%
Max	Aerial	Agricultural	Helicopter	N.American - adult	2.00E-01	3.00E-04	4.57E+00	2.74E-04	5.00E-02	0.54857%
Max	Aerial	Forestry	Helicopter	N.American - adult	2.00E-01	8.00E-04	4.57E+00	7.31E-04	5.00E-02	1.46286%
Max	Ground	Both	Low Boom	N.American - adult	2.00E-01	5.28E-05	4.57E+00	4.83E-05	5.00E-02	0.09655%
Max	Ground	Both	High Boom	N.American - adult	2.00E-01	8.73E-05	4.57E+00	7.98E-05	5.00E-02	0.15963%

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Water While Swimming - Intermediate-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Intermediate-Term Water Concentration (mg/L)	Unit Correction Factor (L/cm3)	Exposure Factor (cm2-hr/kg-day)	Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	Intermediate-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	4.27E-03	1.00E-03	4.40E+02	9.32E-09	5.00E+00	5.36E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	5.20E-03	1.00E-03	4.40E+02	1.14E-08	5.00E+00	4.40E+08
Typical	Ground	Both	Low Boom	Swimmer-child	4.96E-06	3.61E-03	1.00E-03	4.40E+02	7.89E-09	5.00E+00	6.34E+08
Typical	Ground	Both	High Boom	Swimmer-child	4.96E-06	3.67E-03	1.00E-03	4.40E+02	8.01E-09	5.00E+00	6.24E+08
Max	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	4.69E-03	1.00E-03	4.40E+02	1.02E-08	5.00E+00	4.88E+08
Max	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	8.75E-03	1.00E-03	4.40E+02	1.91E-08	5.00E+00	2.62E+08
Max	Ground	Both	Low Boom	Swimmer-child	4.96E-06	4.94E-03	1.00E-03	4.40E+02	1.08E-08	5.00E+00	4.63E+08
Max	Ground	Both	High Boom	Swimmer-child	4.96E-06	5.10E-03	1.00E-03	4.40E+02	1.11E-08	5.00E+00	4.49E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	4.27E-03	1.00E-03	2.57E+02	5.45E-09	5.00E+00	9.18E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	5.20E-03	1.00E-03	2.57E+02	6.64E-09	5.00E+00	7.53E+08
Typical	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	3.61E-03	1.00E-03	2.57E+02	4.61E-09	5.00E+00	1.09E+09
Typical	Ground	Both	High Boom	Swimmer-adult	4.96E-06	3.67E-03	1.00E-03	2.57E+02	4.68E-09	5.00E+00	1.07E+09
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	4.69E-03	1.00E-03	2.57E+02	5.98E-09	5.00E+00	8.36E+08
Max	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	8.75E-03	1.00E-03	2.57E+02	1.12E-08	5.00E+00	4.48E+08
Max	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	4.94E-03	1.00E-03	2.57E+02	6.31E-09	5.00E+00	7.93E+08
Max	Ground	Both	High Boom	Swimmer-adult	4.96E-06	5.10E-03	1.00E-03	2.57E+02	6.51E-09	5.00E+00	7.69E+08
Typical	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	4.27E-03	1.00E-03	1.14E+03	2.42E-08	5.00E+00	2.06E+08
Typical	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	5.20E-03	1.00E-03	1.14E+03	2.96E-08	5.00E+00	1.69E+08
Typical	Ground	Both	Low Boom	N.American-child	4.96E-06	3.61E-03	1.00E-03	1.14E+03	2.05E-08	5.00E+00	2.44E+08
Typical	Ground	Both	High Boom	N.American-child	4.96E-06	3.67E-03	1.00E-03	1.14E+03	2.08E-08	5.00E+00	2.40E+08
Max	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	4.69E-03	1.00E-03	1.14E+03	2.66E-08	5.00E+00	1.88E+08
Max	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	8.75E-03	1.00E-03	1.14E+03	4.97E-08	5.00E+00	1.01E+08
Max	Ground	Both	Low Boom	N.American-child	4.96E-06	4.94E-03	1.00E-03	1.14E+03	2.81E-08	5.00E+00	1.78E+08
Max	Ground	Both	High Boom	N.American-child	4.96E-06	5.10E-03	1.00E-03	1.14E+03	2.89E-08	5.00E+00	1.73E+08
Typical	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	4.27E-03	1.00E-03	6.69E+02	1.42E-08	5.00E+00	3.53E+08
Typical	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	5.20E-03	1.00E-03	6.69E+02	1.73E-08	5.00E+00	2.90E+08
Typical	Ground	Both	Low Boom	N.American-adult	4.96E-06	3.61E-03	1.00E-03	6.69E+02	1.20E-08	5.00E+00	4.17E+08
Typical	Ground	Both	High Boom	N.American-adult	4.96E-06	3.67E-03	1.00E-03	6.69E+02	1.22E-08	5.00E+00	4.11E+08
Max	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	4.69E-03	1.00E-03	6.69E+02	1.56E-08	5.00E+00	3.21E+08
Max	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	8.75E-03	1.00E-03	6.69E+02	2.90E-08	5.00E+00	1.72E+08
Max	Ground	Both	Low Boom	N.American-adult	4.96E-06	4.94E-03	1.00E-03	6.69E+02	1.64E-08	5.00E+00	3.05E+08
Max	Ground	Both	High Boom	N.American-adult	4.96E-06	5.10E-03	1.00E-03	6.69E+02	1.69E-08	5.00E+00	2.96E+08

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Margins of Exposure
Scenario: Public Receptors - Routine Exposure
Pathway: Dermal Contact with Water While Swimming - Long-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Skin Permeablilty Constant (cm/hr)	Long-Term Water Concentration (mg/L)	Unit Correction Factor (L/cm3)	Exposure Factor (cm2-hr/kg-day)	Absorbed Dose (mg/kg-day)	Oral NOAEL (mg/kg-day) Short/Int	Long-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	2.42E-03	1.00E-03	4.40E+02	5.28E-09	5.00E+00	9.47E+08
Typical	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	3.35E-03	1.00E-03	4.40E+02	7.32E-09	5.00E+00	6.83E+08
Typical	Ground	Both	Low Boom	Swimmer-child	4.96E-06	1.76E-03	1.00E-03	4.40E+02	3.84E-09	5.00E+00	1.30E+09
Typical	Ground	Both	High Boom	Swimmer-child	4.96E-06	1.82E-03	1.00E-03	4.40E+02	3.97E-09	5.00E+00	1.26E+09
Max	Aerial	Agricultural	Helicopter	Swimmer-child	4.96E-06	4.52E-03	1.00E-03	4.40E+02	9.86E-09	5.00E+00	5.07E+08
Max	Aerial	Forestry	Helicopter	Swimmer-child	4.96E-06	8.57E-03	1.00E-03	4.40E+02	1.87E-08	5.00E+00	2.67E+08
Max	Ground	Both	Low Boom	Swimmer-child	4.96E-06	4.77E-03	1.00E-03	4.40E+02	1.04E-08	5.00E+00	4.80E+08
Max	Ground	Both	High Boom	Swimmer-child	4.96E-06	4.93E-03	1.00E-03	4.40E+02	1.08E-08	5.00E+00	4.65E+08
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	2.42E-03	1.00E-03	2.57E+02	3.09E-09	5.00E+00	1.62E+09
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	3.35E-03	1.00E-03	2.57E+02	4.28E-09	5.00E+00	1.17E+09
Typical	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	1.76E-03	1.00E-03	2.57E+02	2.25E-09	5.00E+00	2.23E+09
Typical	Ground	Both	High Boom	Swimmer-adult	4.96E-06	1.82E-03	1.00E-03	2.57E+02	2.32E-09	5.00E+00	2.16E+09
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	4.96E-06	4.52E-03	1.00E-03	2.57E+02	5.76E-09	5.00E+00	8.67E+08
Max	Aerial	Forestry	Helicopter	Swimmer-adult	4.96E-06	8.57E-03	1.00E-03	2.57E+02	1.09E-08	5.00E+00	4.57E+08
Max	Ground	Both	Low Boom	Swimmer-adult	4.96E-06	4.77E-03	1.00E-03	2.57E+02	6.09E-09	5.00E+00	8.21E+08
Max	Ground	Both	High Boom	Swimmer-adult	4.96E-06	4.93E-03	1.00E-03	2.57E+02	6.29E-09	5.00E+00	7.95E+08
Typical	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	2.42E-03	1.00E-03	1.14E+03	1.37E-08	5.00E+00	3.64E+08
Typical	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	3.35E-03	1.00E-03	1.14E+03	1.90E-08	5.00E+00	2.63E+08
Typical	Ground	Both	Low Boom	N.American-child	4.96E-06	1.76E-03	1.00E-03	1.14E+03	9.99E-09	5.00E+00	5.01E+08
Typical	Ground	Both	High Boom	N.American-child	4.96E-06	1.82E-03	1.00E-03	1.14E+03	1.03E-08	5.00E+00	4.85E+08
Max	Aerial	Agricultural	Helicopter	N.American-child	4.96E-06	4.52E-03	1.00E-03	1.14E+03	2.56E-08	5.00E+00	1.95E+08
Max	Aerial	Forestry	Helicopter	N.American-child	4.96E-06	8.57E-03	1.00E-03	1.14E+03	4.87E-08	5.00E+00	1.03E+08
Max	Ground	Both	Low Boom	N.American-child	4.96E-06	4.77E-03	1.00E-03	1.14E+03	2.71E-08	5.00E+00	1.85E+08
Max	Ground	Both	High Boom	N.American-child	4.96E-06	4.93E-03	1.00E-03	1.14E+03	2.80E-08	5.00E+00	1.79E+08
Typical	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	2.42E-03	1.00E-03	6.69E+02	8.02E-09	5.00E+00	6.23E+08
Typical	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	3.35E-03	1.00E-03	6.69E+02	1.11E-08	5.00E+00	4.49E+08
Typical	Ground	Both	Low Boom	N.American-adult	4.96E-06	1.76E-03	1.00E-03	6.69E+02	5.84E-09	5.00E+00	8.56E+08
Typical	Ground	Both	High Boom	N.American-adult	4.96E-06	1.82E-03	1.00E-03	6.69E+02	6.03E-09	5.00E+00	8.29E+08
Max	Aerial	Agricultural	Helicopter	N.American-adult	4.96E-06	4.52E-03	1.00E-03	6.69E+02	1.50E-08	5.00E+00	3.34E+08
Max	Aerial	Forestry	Helicopter	N.American-adult	4.96E-06	8.57E-03	1.00E-03	6.69E+02	2.85E-08	5.00E+00	1.76E+08
Max	Ground	Both	Low Boom	N.American-adult	4.96E-06	4.77E-03	1.00E-03	6.69E+02	1.58E-08	5.00E+00	3.16E+08
Max	Ground	Both	High Boom	N.American-adult	4.96E-06	4.93E-03	1.00E-03	6.69E+02	1.63E-08	5.00E+00	3.06E+08

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Incidental Ingestion of Water while Swimming - Intermediate-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Incidental Ingestion Oral NOAEL (mg/kg-day) Short/Int	Incidental Ingestion Intermediate-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	4.27E-03	3.33E-03	1.42E-05	5.00E+00	3.51E+05
Typical	Aerial	Forestry	Helicopter	Swimmer-child	5.20E-03	3.33E-03	1.73E-05	5.00E+00	2.88E+05
Typical	Ground	Both	Low Boom	Swimmer-child	3.61E-03	3.33E-03	1.20E-05	5.00E+00	4.15E+05
Typical	Ground	Both	High Boom	Swimmer-child	3.67E-03	3.33E-03	1.22E-05	5.00E+00	4.09E+05
Max	Aerial	Agricultural	Helicopter	Swimmer-child	4.69E-03	3.33E-03	1.56E-05	5.00E+00	3.20E+05
Max	Aerial	Forestry	Helicopter	Swimmer-child	8.75E-03	3.33E-03	2.92E-05	5.00E+00	1.72E+05
Max	Ground	Both	Low Boom	Swimmer-child	4.94E-03	3.33E-03	1.65E-05	5.00E+00	3.04E+05
Max	Ground	Both	High Boom	Swimmer-child	5.10E-03	3.33E-03	1.70E-05	5.00E+00	2.94E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	4.27E-03	7.14E-04	3.05E-06	5.00E+00	1.64E+06
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	5.20E-03	7.14E-04	3.72E-06	5.00E+00	1.34E+06
Typical	Ground	Both	Low Boom	Swimmer-adult	3.61E-03	7.14E-04	2.58E-06	5.00E+00	1.94E+06
Typical	Ground	Both	High Boom	Swimmer-adult	3.67E-03	7.14E-04	2.62E-06	5.00E+00	1.91E+06
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	4.69E-03	7.14E-04	3.35E-06	5.00E+00	1.49E+06
Max	Aerial	Forestry	Helicopter	Swimmer-adult	8.75E-03	7.14E-04	6.25E-06	5.00E+00	8.00E+05
Max	Ground	Both	Low Boom	Swimmer-adult	4.94E-03	7.14E-04	3.53E-06	5.00E+00	1.42E+06
Max	Ground	Both	High Boom	Swimmer-adult	5.10E-03	7.14E-04	3.64E-06	5.00E+00	1.37E+06

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Incidental Ingestion of Water while Swimming - Long-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Incidental Ingestion	
								Oral NOAEL (mg/kg-day) Short/Int	Long-Term MOE (unitless) Short/Int
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	2.42E-03	3.33E-03	8.06E-06	5.00E+00	6.21E+05
Typical	Aerial	Forestry	Helicopter	Swimmer-child	3.35E-03	3.33E-03	1.12E-05	5.00E+00	4.47E+05
Typical	Ground	Both	Low Boom	Swimmer-child	1.76E-03	3.33E-03	5.86E-06	5.00E+00	8.53E+05
Typical	Ground	Both	High Boom	Swimmer-child	1.82E-03	3.33E-03	6.06E-06	5.00E+00	8.25E+05
Max	Aerial	Agricultural	Helicopter	Swimmer-child	4.52E-03	3.33E-03	1.51E-05	5.00E+00	3.32E+05
Max	Aerial	Forestry	Helicopter	Swimmer-child	8.57E-03	3.33E-03	2.86E-05	5.00E+00	1.75E+05
Max	Ground	Both	Low Boom	Swimmer-child	4.77E-03	3.33E-03	1.59E-05	5.00E+00	3.14E+05
Max	Ground	Both	High Boom	Swimmer-child	4.93E-03	3.33E-03	1.64E-05	5.00E+00	3.05E+05
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	2.42E-03	7.14E-04	1.73E-06	5.00E+00	2.90E+06
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	3.35E-03	7.14E-04	2.40E-06	5.00E+00	2.09E+06
Typical	Ground	Both	Low Boom	Swimmer-adult	1.76E-03	7.14E-04	1.26E-06	5.00E+00	3.98E+06
Typical	Ground	Both	High Boom	Swimmer-adult	1.82E-03	7.14E-04	1.30E-06	5.00E+00	3.85E+06
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	4.52E-03	7.14E-04	3.23E-06	5.00E+00	1.55E+06
Max	Aerial	Forestry	Helicopter	Swimmer-adult	8.57E-03	7.14E-04	6.12E-06	5.00E+00	8.16E+05
Max	Ground	Both	Low Boom	Swimmer-adult	4.77E-03	7.14E-04	3.41E-06	5.00E+00	1.47E+06
Max	Ground	Both	High Boom	Swimmer-adult	4.93E-03	7.14E-04	3.52E-06	5.00E+00	1.42E+06

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Intermediate-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term Water Concentration (mg/L)	Intermediate-Term Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water - Intermediate-Term PAD (mg/kg-day) Chronic	Drinking Water - Intermediate-Term %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.27E-03	2.86E-02	1.22E-04	5.00E-02	0.24391%
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	5.20E-03	2.86E-02	1.49E-04	5.00E-02	0.29740%
Typical	Ground	Both	Low Boom	Hiker/Hunter	3.61E-03	2.86E-02	1.03E-04	5.00E-02	0.20632%
Typical	Ground	Both	High Boom	Hiker/Hunter	3.67E-03	2.86E-02	1.05E-04	5.00E-02	0.20963%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.69E-03	2.86E-02	1.34E-04	5.00E-02	0.26790%
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	8.75E-03	2.86E-02	2.50E-04	5.00E-02	0.49977%
Max	Ground	Both	Low Boom	Hiker/Hunter	4.94E-03	2.86E-02	1.41E-04	5.00E-02	0.28240%
Max	Ground	Both	High Boom	Hiker/Hunter	5.10E-03	2.86E-02	1.46E-04	5.00E-02	0.29126%
Typical	Aerial	Agricultural	Helicopter	Berry - child	4.27E-03	6.67E-02	2.85E-04	5.00E-02	0.56913%
Typical	Aerial	Forestry	Helicopter	Berry - child	5.20E-03	6.67E-02	3.47E-04	5.00E-02	0.69393%
Typical	Ground	Both	Low Boom	Berry - child	3.61E-03	6.67E-02	2.41E-04	5.00E-02	0.48141%
Typical	Ground	Both	High Boom	Berry - child	3.67E-03	6.67E-02	2.45E-04	5.00E-02	0.48913%
Max	Aerial	Agricultural	Helicopter	Berry - child	4.69E-03	6.67E-02	3.13E-04	5.00E-02	0.62511%
Max	Aerial	Forestry	Helicopter	Berry - child	8.75E-03	6.67E-02	5.83E-04	5.00E-02	1.16613%
Max	Ground	Both	Low Boom	Berry - child	4.94E-03	6.67E-02	3.29E-04	5.00E-02	0.65893%
Max	Ground	Both	High Boom	Berry - child	5.10E-03	6.67E-02	3.40E-04	5.00E-02	0.67960%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	4.27E-03	2.86E-02	1.22E-04	5.00E-02	0.24391%
Typical	Aerial	Forestry	Helicopter	Berry - adult	5.20E-03	2.86E-02	1.49E-04	5.00E-02	0.29740%
Typical	Ground	Both	Low Boom	Berry - adult	3.61E-03	2.86E-02	1.03E-04	5.00E-02	0.20632%
Typical	Ground	Both	High Boom	Berry - adult	3.67E-03	2.86E-02	1.05E-04	5.00E-02	0.20963%
Max	Aerial	Agricultural	Helicopter	Berry - adult	4.69E-03	2.86E-02	1.34E-04	5.00E-02	0.26790%
Max	Aerial	Forestry	Helicopter	Berry - adult	8.75E-03	2.86E-02	2.50E-04	5.00E-02	0.49977%
Max	Ground	Both	Low Boom	Berry - adult	4.94E-03	2.86E-02	1.41E-04	5.00E-02	0.28240%
Max	Ground	Both	High Boom	Berry - adult	5.10E-03	2.86E-02	1.46E-04	5.00E-02	0.29126%
Typical	Aerial	Agricultural	Helicopter	Angler	4.27E-03	2.86E-02	1.22E-04	5.00E-02	0.24391%
Typical	Aerial	Forestry	Helicopter	Angler	5.20E-03	2.86E-02	1.49E-04	5.00E-02	0.29740%
Typical	Ground	Both	Low Boom	Angler	3.61E-03	2.86E-02	1.03E-04	5.00E-02	0.20632%
Typical	Ground	Both	High Boom	Angler	3.67E-03	2.86E-02	1.05E-04	5.00E-02	0.20963%
Max	Aerial	Agricultural	Helicopter	Angler	4.69E-03	2.86E-02	1.34E-04	5.00E-02	0.26790%
Max	Aerial	Forestry	Helicopter	Angler	8.75E-03	2.86E-02	2.50E-04	5.00E-02	0.49977%
Max	Ground	Both	Low Boom	Angler	4.94E-03	2.86E-02	1.41E-04	5.00E-02	0.28240%
Max	Ground	Both	High Boom	Angler	5.10E-03	2.86E-02	1.46E-04	5.00E-02	0.29126%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Intermediate-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term Water Concentration (mg/L)	Intermediate-Term Exposure Factor (L/kg-day)	Intermediate-Term Absorbed Dose (mg/kg-day)	Drinking Water - Intermediate-Term PAD (mg/kg-day) Chronic	Drinking Water - Intermediate-Term %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	N.American - child	4.27E-03	3.33E-02	1.42E-04	5.00E-02	0.28457%
Typical	Aerial	Forestry	Helicopter	N.American - child	5.20E-03	3.33E-02	1.73E-04	5.00E-02	0.34697%
Typical	Ground	Both	Low Boom	N.American - child	3.61E-03	3.33E-02	1.20E-04	5.00E-02	0.24071%
Typical	Ground	Both	High Boom	N.American - child	3.67E-03	3.33E-02	1.22E-04	5.00E-02	0.24457%
Max	Aerial	Agricultural	Helicopter	N.American - child	4.69E-03	3.33E-02	1.56E-04	5.00E-02	0.31255%
Max	Aerial	Forestry	Helicopter	N.American - child	8.75E-03	3.33E-02	2.92E-04	5.00E-02	0.58307%
Max	Ground	Both	Low Boom	N.American - child	4.94E-03	3.33E-02	1.65E-04	5.00E-02	0.32947%
Max	Ground	Both	High Boom	N.American - child	5.10E-03	3.33E-02	1.70E-04	5.00E-02	0.33980%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	4.27E-03	1.43E-02	6.10E-05	5.00E-02	0.12196%
Typical	Aerial	Forestry	Helicopter	N.American - adult	5.20E-03	1.43E-02	7.44E-05	5.00E-02	0.14870%
Typical	Ground	Both	Low Boom	N.American - adult	3.61E-03	1.43E-02	5.16E-05	5.00E-02	0.10316%
Typical	Ground	Both	High Boom	N.American - adult	3.67E-03	1.43E-02	5.24E-05	5.00E-02	0.10481%
Max	Aerial	Agricultural	Helicopter	N.American - adult	4.69E-03	1.43E-02	6.70E-05	5.00E-02	0.13395%
Max	Aerial	Forestry	Helicopter	N.American - adult	8.75E-03	1.43E-02	1.25E-04	5.00E-02	0.24989%
Max	Ground	Both	Low Boom	N.American - adult	4.94E-03	1.43E-02	7.06E-05	5.00E-02	0.14120%
Max	Ground	Both	High Boom	N.American - adult	5.10E-03	1.43E-02	7.28E-05	5.00E-02	0.14563%

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Long-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water - Long-Term PAD (mg/kg-day) Chronic	Drinking Water - Long-Term %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	2.42E-03	2.86E-02	6.91E-05	5.00E-02	0.13813%
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	3.35E-03	2.86E-02	9.58E-05	5.00E-02	0.19161%
Typical	Ground	Both	Low Boom	Hiker/Hunter	1.76E-03	2.86E-02	5.03E-05	5.00E-02	0.10053%
Typical	Ground	Both	High Boom	Hiker/Hunter	1.82E-03	2.86E-02	5.19E-05	5.00E-02	0.10384%
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	4.52E-03	2.86E-02	1.29E-04	5.00E-02	0.25810%
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	8.57E-03	2.86E-02	2.45E-04	5.00E-02	0.48997%
Max	Ground	Both	Low Boom	Hiker/Hunter	4.77E-03	2.86E-02	1.36E-04	5.00E-02	0.27259%
Max	Ground	Both	High Boom	Hiker/Hunter	4.93E-03	2.86E-02	1.41E-04	5.00E-02	0.28145%
Typical	Aerial	Agricultural	Helicopter	Berry - child	2.42E-03	6.67E-02	1.61E-04	5.00E-02	0.32229%
Typical	Aerial	Forestry	Helicopter	Berry - child	3.35E-03	6.67E-02	2.24E-04	5.00E-02	0.44709%
Typical	Ground	Both	Low Boom	Berry - child	1.76E-03	6.67E-02	1.17E-04	5.00E-02	0.23457%
Typical	Ground	Both	High Boom	Berry - child	1.82E-03	6.67E-02	1.21E-04	5.00E-02	0.24229%
Max	Aerial	Agricultural	Helicopter	Berry - child	4.52E-03	6.67E-02	3.01E-04	5.00E-02	0.60223%
Max	Aerial	Forestry	Helicopter	Berry - child	8.57E-03	6.67E-02	5.72E-04	5.00E-02	1.14325%
Max	Ground	Both	Low Boom	Berry - child	4.77E-03	6.67E-02	3.18E-04	5.00E-02	0.63605%
Max	Ground	Both	High Boom	Berry - child	4.93E-03	6.67E-02	3.28E-04	5.00E-02	0.65672%
Typical	Aerial	Agricultural	Helicopter	Berry - adult	2.42E-03	2.86E-02	6.91E-05	5.00E-02	0.13813%
Typical	Aerial	Forestry	Helicopter	Berry - adult	3.35E-03	2.86E-02	9.58E-05	5.00E-02	0.19161%
Typical	Ground	Both	Low Boom	Berry - adult	1.76E-03	2.86E-02	5.03E-05	5.00E-02	0.10053%
Typical	Ground	Both	High Boom	Berry - adult	1.82E-03	2.86E-02	5.19E-05	5.00E-02	0.10384%
Max	Aerial	Agricultural	Helicopter	Berry - adult	4.52E-03	2.86E-02	1.29E-04	5.00E-02	0.25810%
Max	Aerial	Forestry	Helicopter	Berry - adult	8.57E-03	2.86E-02	2.45E-04	5.00E-02	0.48997%
Max	Ground	Both	Low Boom	Berry - adult	4.77E-03	2.86E-02	1.36E-04	5.00E-02	0.27259%
Max	Ground	Both	High Boom	Berry - adult	4.93E-03	2.86E-02	1.41E-04	5.00E-02	0.28145%
Typical	Aerial	Agricultural	Helicopter	Angler	2.42E-03	2.86E-02	6.91E-05	5.00E-02	0.13813%
Typical	Aerial	Forestry	Helicopter	Angler	3.35E-03	2.86E-02	9.58E-05	5.00E-02	0.19161%
Typical	Ground	Both	Low Boom	Angler	1.76E-03	2.86E-02	5.03E-05	5.00E-02	0.10053%
Typical	Ground	Both	High Boom	Angler	1.82E-03	2.86E-02	5.19E-05	5.00E-02	0.10384%
Max	Aerial	Agricultural	Helicopter	Angler	4.52E-03	2.86E-02	1.29E-04	5.00E-02	0.25810%
Max	Aerial	Forestry	Helicopter	Angler	8.57E-03	2.86E-02	2.45E-04	5.00E-02	0.48997%
Max	Ground	Both	Low Boom	Angler	4.77E-03	2.86E-02	1.36E-04	5.00E-02	0.27259%
Max	Ground	Both	High Boom	Angler	4.93E-03	2.86E-02	1.41E-04	5.00E-02	0.28145%

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses, Margins of Exposure, and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Drinking Water Ingestion - Long-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Exposure Factor (L/kg-day)	Absorbed Dose (mg/kg-day)	Drinking Water - Long-Term PAD (mg/kg-day) Chronic	Drinking Water - Long-Term %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.42E-03	3.33E-02	8.06E-05	5.00E-02	0.16115%
Typical	Aerial	Forestry	Helicopter	N.American - child	3.35E-03	3.33E-02	1.12E-04	5.00E-02	0.22355%
Typical	Ground	Both	Low Boom	N.American - child	1.76E-03	3.33E-02	5.86E-05	5.00E-02	0.11729%
Typical	Ground	Both	High Boom	N.American - child	1.82E-03	3.33E-02	6.06E-05	5.00E-02	0.12115%
Max	Aerial	Agricultural	Helicopter	N.American - child	4.52E-03	3.33E-02	1.51E-04	5.00E-02	0.30111%
Max	Aerial	Forestry	Helicopter	N.American - child	8.57E-03	3.33E-02	2.86E-04	5.00E-02	0.57163%
Max	Ground	Both	Low Boom	N.American - child	4.77E-03	3.33E-02	1.59E-04	5.00E-02	0.31803%
Max	Ground	Both	High Boom	N.American - child	4.93E-03	3.33E-02	1.64E-04	5.00E-02	0.32836%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.42E-03	1.43E-02	3.45E-05	5.00E-02	0.06906%
Typical	Aerial	Forestry	Helicopter	N.American - adult	3.35E-03	1.43E-02	4.79E-05	5.00E-02	0.09581%
Typical	Ground	Both	Low Boom	N.American - adult	1.76E-03	1.43E-02	2.51E-05	5.00E-02	0.05027%
Typical	Ground	Both	High Boom	N.American - adult	1.82E-03	1.43E-02	2.60E-05	5.00E-02	0.05192%
Max	Aerial	Agricultural	Helicopter	N.American - adult	4.52E-03	1.43E-02	6.45E-05	5.00E-02	0.12905%
Max	Aerial	Forestry	Helicopter	N.American - adult	8.57E-03	1.43E-02	1.22E-04	5.00E-02	0.24498%
Max	Ground	Both	Low Boom	N.American - adult	4.77E-03	1.43E-02	6.81E-05	5.00E-02	0.13630%
Max	Ground	Both	High Boom	N.American - adult	4.93E-03	1.43E-02	7.04E-05	5.00E-02	0.14073%

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Fish - Short-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Intermediate-Term Water Concentration (mg/L)	Bioconcentration Factor (L/kg)	Unit Correction Factor (kg/mg)	Exposure Factor (mg/kg-day)	Absorbed Dose (mg/kg-day)	Intermediate-Term PAD (mg/kg-day) Chronic	%PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	Angler	4.27E-03	1.00E+00	1.00E-06	9.00E+02	3.84E-06	5.00E-02	0.00768%
Typical	Aerial	Forestry	Helicopter	Angler	5.20E-03	1.00E+00	1.00E-06	9.00E+02	4.68E-06	5.00E-02	0.00937%
Typical	Ground	Both	Low Boom	Angler	3.61E-03	1.00E+00	1.00E-06	9.00E+02	3.25E-06	5.00E-02	0.00650%
Typical	Ground	Both	High Boom	Angler	3.67E-03	1.00E+00	1.00E-06	9.00E+02	3.30E-06	5.00E-02	0.00660%
Max	Aerial	Agricultural	Helicopter	Angler	4.69E-03	1.00E+00	1.00E-06	9.00E+02	4.22E-06	5.00E-02	0.00844%
Max	Aerial	Forestry	Helicopter	Angler	8.75E-03	1.00E+00	1.00E-06	9.00E+02	7.87E-06	5.00E-02	0.01574%
Max	Ground	Both	Low Boom	Angler	4.94E-03	1.00E+00	1.00E-06	9.00E+02	4.45E-06	5.00E-02	0.00890%
Max	Ground	Both	High Boom	Angler	5.10E-03	1.00E+00	1.00E-06	9.00E+02	4.59E-06	5.00E-02	0.00917%
Typical	Aerial	Agricultural	Helicopter	N.American - child	4.27E-03	1.00E+00	1.00E-06	1.27E+04	5.41E-05	5.00E-02	0.10814%
Typical	Aerial	Forestry	Helicopter	N.American - child	5.20E-03	1.00E+00	1.00E-06	1.27E+04	6.59E-05	5.00E-02	0.13185%
Typical	Ground	Both	Low Boom	N.American - child	3.61E-03	1.00E+00	1.00E-06	1.27E+04	4.57E-05	5.00E-02	0.09147%
Typical	Ground	Both	High Boom	N.American - child	3.67E-03	1.00E+00	1.00E-06	1.27E+04	4.65E-05	5.00E-02	0.09294%
Max	Aerial	Agricultural	Helicopter	N.American - child	4.69E-03	1.00E+00	1.00E-06	1.27E+04	5.94E-05	5.00E-02	0.11877%
Max	Aerial	Forestry	Helicopter	N.American - child	8.75E-03	1.00E+00	1.00E-06	1.27E+04	1.11E-04	5.00E-02	0.22157%
Max	Ground	Both	Low Boom	N.American - child	4.94E-03	1.00E+00	1.00E-06	1.27E+04	6.26E-05	5.00E-02	0.12520%
Max	Ground	Both	High Boom	N.American - child	5.10E-03	1.00E+00	1.00E-06	1.27E+04	6.46E-05	5.00E-02	0.12912%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	4.27E-03	1.00E+00	1.00E-06	1.26E+04	5.40E-05	5.00E-02	0.10793%
Typical	Aerial	Forestry	Helicopter	N.American - adult	5.20E-03	1.00E+00	1.00E-06	1.26E+04	6.58E-05	5.00E-02	0.13160%
Typical	Ground	Both	Low Boom	N.American - adult	3.61E-03	1.00E+00	1.00E-06	1.26E+04	4.56E-05	5.00E-02	0.09130%
Typical	Ground	Both	High Boom	N.American - adult	3.67E-03	1.00E+00	1.00E-06	1.26E+04	4.64E-05	5.00E-02	0.09276%
Max	Aerial	Agricultural	Helicopter	N.American - adult	4.69E-03	1.00E+00	1.00E-06	1.26E+04	5.93E-05	5.00E-02	0.11855%
Max	Aerial	Forestry	Helicopter	N.American - adult	8.75E-03	1.00E+00	1.00E-06	1.26E+04	1.11E-04	5.00E-02	0.22115%
Max	Ground	Both	Low Boom	N.American - adult	4.94E-03	1.00E+00	1.00E-06	1.26E+04	6.25E-05	5.00E-02	0.12496%
Max	Ground	Both	High Boom	N.American - adult	5.10E-03	1.00E+00	1.00E-06	1.26E+04	6.44E-05	5.00E-02	0.12888%

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)

Calculation: Potential Doses and Population Adjusted Doses
Scenario: Public Receptors - Routine Exposure
Pathway: Ingestion of Fish - Long-Term Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Long-Term Water Concentration (mg/L)	Bioconcentration Factor (L/kg)	Unit Correction Factor (kg/mg)	Exposure Factor (mg/kg-day)	Absorbed Dose (mg/kg-day)	Long-Term PAD (mg/kg-day) Chronic	Long-Term %PAD (unitless) Chronic
Typical	Aerial	Agricultural	Helicopter	Angler	2.42E-03	1.00E+00	1.00E-06	9.00E+02	2.18E-06	5.00E-02	0.00435%
Typical	Aerial	Forestry	Helicopter	Angler	3.35E-03	1.00E+00	1.00E-06	9.00E+02	3.02E-06	5.00E-02	0.00604%
Typical	Ground	Both	Low Boom	Angler	1.76E-03	1.00E+00	1.00E-06	9.00E+02	1.58E-06	5.00E-02	0.00317%
Typical	Ground	Both	High Boom	Angler	1.82E-03	1.00E+00	1.00E-06	9.00E+02	1.64E-06	5.00E-02	0.00327%
Max	Aerial	Agricultural	Helicopter	Angler	4.52E-03	1.00E+00	1.00E-06	9.00E+02	4.07E-06	5.00E-02	0.00813%
Max	Aerial	Forestry	Helicopter	Angler	8.57E-03	1.00E+00	1.00E-06	9.00E+02	7.72E-06	5.00E-02	0.01543%
Max	Ground	Both	Low Boom	Angler	4.77E-03	1.00E+00	1.00E-06	9.00E+02	4.29E-06	5.00E-02	0.00859%
Max	Ground	Both	High Boom	Angler	4.93E-03	1.00E+00	1.00E-06	9.00E+02	4.43E-06	5.00E-02	0.00887%
Typical	Aerial	Agricultural	Helicopter	N.American - child	2.42E-03	1.00E+00	1.00E-06	1.27E+04	3.06E-05	5.00E-02	0.06124%
Typical	Aerial	Forestry	Helicopter	N.American - child	3.35E-03	1.00E+00	1.00E-06	1.27E+04	4.25E-05	5.00E-02	0.08495%
Typical	Ground	Both	Low Boom	N.American - child	1.76E-03	1.00E+00	1.00E-06	1.27E+04	2.23E-05	5.00E-02	0.04457%
Typical	Ground	Both	High Boom	N.American - child	1.82E-03	1.00E+00	1.00E-06	1.27E+04	2.30E-05	5.00E-02	0.04604%
Max	Aerial	Agricultural	Helicopter	N.American - child	4.52E-03	1.00E+00	1.00E-06	1.27E+04	5.72E-05	5.00E-02	0.11442%
Max	Aerial	Forestry	Helicopter	N.American - child	8.57E-03	1.00E+00	1.00E-06	1.27E+04	1.09E-04	5.00E-02	0.21722%
Max	Ground	Both	Low Boom	N.American - child	4.77E-03	1.00E+00	1.00E-06	1.27E+04	6.04E-05	5.00E-02	0.12085%
Max	Ground	Both	High Boom	N.American - child	4.93E-03	1.00E+00	1.00E-06	1.27E+04	6.24E-05	5.00E-02	0.12478%
Typical	Aerial	Agricultural	Helicopter	N.American - adult	2.42E-03	1.00E+00	1.00E-06	1.26E+04	3.06E-05	5.00E-02	0.06112%
Typical	Aerial	Forestry	Helicopter	N.American - adult	3.35E-03	1.00E+00	1.00E-06	1.26E+04	4.24E-05	5.00E-02	0.08479%
Typical	Ground	Both	Low Boom	N.American - adult	1.76E-03	1.00E+00	1.00E-06	1.26E+04	2.22E-05	5.00E-02	0.04449%
Typical	Ground	Both	High Boom	N.American - adult	1.82E-03	1.00E+00	1.00E-06	1.26E+04	2.30E-05	5.00E-02	0.04595%
Max	Aerial	Agricultural	Helicopter	N.American - adult	4.52E-03	1.00E+00	1.00E-06	1.26E+04	5.71E-05	5.00E-02	0.11421%
Max	Aerial	Forestry	Helicopter	N.American - adult	8.57E-03	1.00E+00	1.00E-06	1.26E+04	1.08E-04	5.00E-02	0.21681%
Max	Ground	Both	Low Boom	N.American - adult	4.77E-03	1.00E+00	1.00E-06	1.26E+04	6.03E-05	5.00E-02	0.12062%
Max	Ground	Both	High Boom	N.American - adult	4.93E-03	1.00E+00	1.00E-06	1.26E+04	6.23E-05	5.00E-02	0.12454%

NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Aggregrate Risk Index - Intermediate Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental In	Dietary Exposure Pathways			hide Intermediate
						ntermediate-Term Dermart/Int Term (			Short/Int Te	Chronic	Chronic	Chronic	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunte	1.00E+02	--	--	--	--	0.24391%	--	--	4.10E+02
Typical	Aerial	Forestry	Helicopter	Hiker/Hunte	1.00E+02	--	--	--	--	0.29740%	--	--	3.36E+02
Typical	Ground	Both	Low Boom	Hiker/Hunte	1.00E+02	--	--	--	--	0.20632%	--	--	4.85E+02
Typical	Ground	Both	High Boom	Hiker/Hunte	1.00E+02	--	--	--	--	0.20963%	--	--	4.77E+02
Max	Aerial	Agricultural	Helicopter	Hiker/Hunte	1.00E+02	--	--	--	--	0.26790%	--	--	3.73E+02
Max	Aerial	Forestry	Helicopter	Hiker/Hunte	1.00E+02	--	--	--	--	0.49977%	--	--	2.00E+02
Max	Ground	Both	Low Boom	Hiker/Hunte	1.00E+02	--	--	--	--	0.28240%	--	--	3.54E+02
Max	Ground	Both	High Boom	Hiker/Hunte	1.00E+02	--	--	--	--	0.29126%	--	--	3.43E+02
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.56913%	0.18400%	--	1.33E+02
Typical	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.69393%	0.55200%	--	8.03E+01
Typical	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	0.48141%	0.03662%	--	1.93E+02
Typical	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	0.48913%	0.06035%	--	1.82E+02
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.62511%	0.55200%	--	8.50E+01
Max	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	1.16613%	1.47200%	--	3.79E+01
Max	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	0.65893%	0.09715%	--	1.32E+02
Max	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	0.67960%	0.16063%	--	1.19E+02
Typical	Aerial	Agricultural	Helicopter	Berry - adul	1.00E+02	--	--	--	--	0.24391%	0.18286%	--	2.34E+02
Typical	Aerial	Forestry	Helicopter	Berry - adul	1.00E+02	--	--	--	--	0.29740%	0.54857%	--	1.18E+02
Typical	Ground	Both	Low Boom	Berry - adul	1.00E+02	--	--	--	--	0.20632%	0.03639%	--	4.12E+02
Typical	Ground	Both	High Boom	Berry - adul	1.00E+02	--	--	--	--	0.20963%	0.05998%	--	3.71E+02
Max	Aerial	Agricultural	Helicopter	Berry - adul	1.00E+02	--	--	--	--	0.26790%	0.54857%	--	1.22E+02
Max	Aerial	Forestry	Helicopter	Berry - adul	1.00E+02	--	--	--	--	0.49977%	1.46286%	--	5.10E+01
Max	Ground	Both	Low Boom	Berry - adul	1.00E+02	--	--	--	--	0.28240%	0.09655%	--	2.64E+02
Max	Ground	Both	High Boom	Berry - adul	1.00E+02	--	--	--	--	0.29126%	0.15963%	--	2.22E+02
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	0.24391%	--	0.00768%	3.97E+02
Typical	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	0.29740%	--	0.00937%	3.26E+02
Typical	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	0.20632%	--	0.00650%	4.70E+02
Typical	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	0.20963%	--	0.00660%	4.62E+02
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	0.26790%	--	0.00844%	3.62E+02
Max	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	0.49977%	--	0.01574%	1.94E+02
Max	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	0.28240%	--	0.00890%	3.43E+02
Max	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	0.29126%	--	0.00917%	3.33E+02

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculation: Aggregrate Risk Index - Intermediate Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental In	Dietary Exposure Pathways			hide Intermediate
						ntermediate-Term Dermart/Int Term (			Short/Int Te				
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Chronic Water %PAD	Chronic Berries %PAD	Chronic Fish %PAD	Aggregate Risk Index
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.18400%	--	5.43E+02
Typical	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.55200%	--	1.81E+02
Typical	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	0.03662%	--	2.73E+03
Typical	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	0.06035%	--	1.66E+03
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.55200%	--	1.81E+02
Max	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	1.47200%	--	6.79E+01
Max	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	0.09715%	--	1.03E+03
Max	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	0.16063%	--	6.23E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.18286%	--	5.47E+02
Typical	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.54857%	--	1.82E+02
Typical	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	0.03639%	--	2.75E+03
Typical	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	0.05998%	--	1.67E+03
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.54857%	--	1.82E+02
Max	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	1.46286%	--	6.84E+01
Max	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	0.09655%	--	1.04E+03
Max	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	0.15963%	--	6.26E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	2.06E+08	--	0.28457%	0.18400%	0.10814%	1.73E+02
Typical	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	1.69E+08	--	0.34697%	0.55200%	0.13185%	9.70E+01
Typical	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	2.44E+08	--	0.24071%	0.03662%	0.09147%	2.71E+02
Typical	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	2.40E+08	--	0.24457%	0.06035%	0.09294%	2.51E+02
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	1.88E+08	--	0.31255%	0.55200%	0.11877%	1.02E+02
Max	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	1.01E+08	--	0.58307%	1.47200%	0.22157%	4.39E+01
Max	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	1.78E+08	--	0.32947%	0.09715%	0.12520%	1.81E+02
Max	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	1.73E+08	--	0.33980%	0.16063%	0.12912%	1.59E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	3.53E+08	--	0.12196%	0.18286%	0.10793%	2.42E+02
Typical	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	2.90E+08	--	0.14870%	0.54857%	0.13160%	1.21E+02
Typical	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	4.17E+08	--	0.10316%	0.03639%	0.09130%	4.33E+02
Typical	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	4.11E+08	--	0.10481%	0.05998%	0.09276%	3.88E+02
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	3.21E+08	--	0.13395%	0.54857%	0.11855%	1.25E+02
Max	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	1.72E+08	--	0.24989%	1.46286%	0.22115%	5.17E+01
Max	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	3.05E+08	--	0.14120%	0.09655%	0.12496%	2.76E+02
Max	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	2.96E+08	--	0.14563%	0.15963%	0.12888%	2.30E+02

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculatio Aggregrate Risk Index - Intermediate Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Intermediate-Term
						Intermediate-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Chronic	Chronic	Chronic	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.36E+08	3.51E+05	--	--	--	3.51E+03
Typical	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	4.40E+08	2.88E+05	--	--	--	2.88E+03
Typical	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	6.34E+08	4.15E+05	--	--	--	4.15E+03
Typical	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	6.24E+08	4.09E+05	--	--	--	4.09E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	4.88E+08	3.20E+05	--	--	--	3.20E+03
Max	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	2.62E+08	1.72E+05	--	--	--	1.71E+03
Max	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	4.63E+08	3.04E+05	--	--	--	3.03E+03
Max	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	4.49E+08	2.94E+05	--	--	--	2.94E+03
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	9.18E+08	1.64E+06	--	--	--	1.64E+04
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	7.53E+08	1.34E+06	--	--	--	1.34E+04
Typical	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	1.09E+09	1.94E+06	--	--	--	1.94E+04
Typical	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	1.07E+09	1.91E+06	--	--	--	1.90E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	8.36E+08	1.49E+06	--	--	--	1.49E+04
Max	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	4.48E+08	8.00E+05	--	--	--	7.99E+03
Max	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	7.93E+08	1.42E+06	--	--	--	1.41E+04
Max	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	7.69E+08	1.37E+06	--	--	--	1.37E+04

--Receptor not exposed via this pathway.
NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculatio Aggregrate Risk Index - Long Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Long-Term
						Long-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Chronic	Chronic	Chronic	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	0.13813%	--	--	7.24E+02
Typical	Aerial	Forestry	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	0.19161%	--	--	5.22E+02
Typical	Ground	Both	Low Boom	Hiker/Hunter	1.00E+02	--	--	--	--	0.10053%	--	--	9.95E+02
Typical	Ground	Both	High Boom	Hiker/Hunter	1.00E+02	--	--	--	--	0.10384%	--	--	9.63E+02
Max	Aerial	Agricultural	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	0.25810%	--	--	3.87E+02
Max	Aerial	Forestry	Helicopter	Hiker/Hunter	1.00E+02	--	--	--	--	0.48997%	--	--	2.04E+02
Max	Ground	Both	Low Boom	Hiker/Hunter	1.00E+02	--	--	--	--	0.27259%	--	--	3.67E+02
Max	Ground	Both	High Boom	Hiker/Hunter	1.00E+02	--	--	--	--	0.28145%	--	--	3.55E+02
Typical	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.32229%	0.18400%	--	1.98E+02
Typical	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.44709%	0.55200%	--	1.00E+02
Typical	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	0.23457%	0.03662%	--	3.69E+02
Typical	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	0.24229%	0.06035%	--	3.30E+02
Max	Aerial	Agricultural	Helicopter	Berry - child	1.00E+02	--	--	--	--	0.60223%	0.55200%	--	8.66E+01
Max	Aerial	Forestry	Helicopter	Berry - child	1.00E+02	--	--	--	--	1.14325%	1.47200%	--	3.82E+01
Max	Ground	Both	Low Boom	Berry - child	1.00E+02	--	--	--	--	0.63605%	0.09715%	--	1.36E+02
Max	Ground	Both	High Boom	Berry - child	1.00E+02	--	--	--	--	0.65672%	0.16063%	--	1.22E+02
Typical	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	--	--	--	--	0.13813%	0.18286%	--	3.12E+02
Typical	Aerial	Forestry	Helicopter	Berry - adult	1.00E+02	--	--	--	--	0.19161%	0.54857%	--	1.35E+02
Typical	Ground	Both	Low Boom	Berry - adult	1.00E+02	--	--	--	--	0.10053%	0.03639%	--	7.30E+02
Typical	Ground	Both	High Boom	Berry - adult	1.00E+02	--	--	--	--	0.10384%	0.05998%	--	6.10E+02
Max	Aerial	Agricultural	Helicopter	Berry - adult	1.00E+02	--	--	--	--	0.25810%	0.54857%	--	1.24E+02
Max	Aerial	Forestry	Helicopter	Berry - adult	1.00E+02	--	--	--	--	0.48997%	1.46286%	--	5.12E+01
Max	Ground	Both	Low Boom	Berry - adult	1.00E+02	--	--	--	--	0.27259%	0.09655%	--	2.71E+02
Max	Ground	Both	High Boom	Berry - adult	1.00E+02	--	--	--	--	0.28145%	0.15963%	--	2.27E+02
Typical	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	0.13813%	--	0.00435%	7.02E+02
Typical	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	0.19161%	--	0.00604%	5.06E+02
Typical	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	0.10053%	--	0.00317%	9.64E+02
Typical	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	0.10384%	--	0.00327%	9.34E+02
Max	Aerial	Agricultural	Helicopter	Angler	1.00E+02	--	--	--	--	0.25810%	--	0.00813%	3.76E+02
Max	Aerial	Forestry	Helicopter	Angler	1.00E+02	--	--	--	--	0.48997%	--	0.01543%	1.98E+02
Max	Ground	Both	Low Boom	Angler	1.00E+02	--	--	--	--	0.27259%	--	0.00859%	3.56E+02
Max	Ground	Both	High Boom	Angler	1.00E+02	--	--	--	--	0.28145%	--	0.00887%	3.44E+02

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculatio Aggregrate Risk Index - Long Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Long-Term
						Long-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Chronic	Chronic	Chronic	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.18400%	--	5.43E+02
Typical	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.55200%	--	1.81E+02
Typical	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	0.03662%	--	2.73E+03
Typical	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	0.06035%	--	1.66E+03
Max	Aerial	Agricultural	Helicopter	Res-child	1.00E+02	--	--	--	--	--	0.55200%	--	1.81E+02
Max	Aerial	Forestry	Helicopter	Res-child	1.00E+02	--	--	--	--	--	1.47200%	--	6.79E+01
Max	Ground	Both	Low Boom	Res-child	1.00E+02	--	--	--	--	--	0.09715%	--	1.03E+03
Max	Ground	Both	High Boom	Res-child	1.00E+02	--	--	--	--	--	0.16063%	--	6.23E+02
Typical	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.18286%	--	5.47E+02
Typical	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.54857%	--	1.82E+02
Typical	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	0.03639%	--	2.75E+03
Typical	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	0.05998%	--	1.67E+03
Max	Aerial	Agricultural	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	0.54857%	--	1.82E+02
Max	Aerial	Forestry	Helicopter	Res-adult	1.00E+02	--	--	--	--	--	1.46286%	--	6.84E+01
Max	Ground	Both	Low Boom	Res-adult	1.00E+02	--	--	--	--	--	0.09655%	--	1.04E+03
Max	Ground	Both	High Boom	Res-adult	1.00E+02	--	--	--	--	--	0.15963%	--	6.26E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	3.64E+08	--	0.16115%	0.18400%	0.06124%	2.46E+02
Typical	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	2.63E+08	--	0.22355%	0.55200%	0.08495%	1.16E+02
Typical	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	5.01E+08	--	0.11729%	0.03662%	0.04457%	5.04E+02
Typical	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	4.85E+08	--	0.12115%	0.06035%	0.04604%	4.39E+02
Max	Aerial	Agricultural	Helicopter	N.A.-child	1.00E+02	--	--	1.95E+08	--	0.30111%	0.55200%	0.11442%	1.03E+02
Max	Aerial	Forestry	Helicopter	N.A.-child	1.00E+02	--	--	1.03E+08	--	0.57163%	1.47200%	0.21722%	4.42E+01
Max	Ground	Both	Low Boom	N.A.-child	1.00E+02	--	--	1.85E+08	--	0.31803%	0.09715%	0.12085%	1.87E+02
Max	Ground	Both	High Boom	N.A.-child	1.00E+02	--	--	1.79E+08	--	0.32836%	0.16063%	0.12478%	1.63E+02
Typical	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	6.23E+08	--	0.06906%	0.18286%	0.06112%	3.19E+02
Typical	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	4.49E+08	--	0.09581%	0.54857%	0.08479%	1.37E+02
Typical	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	8.56E+08	--	0.05027%	0.03639%	0.04449%	7.62E+02
Typical	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	8.29E+08	--	0.05192%	0.05998%	0.04595%	6.33E+02
Max	Aerial	Agricultural	Helicopter	N.A.-adult	1.00E+02	--	--	3.34E+08	--	0.12905%	0.54857%	0.11421%	1.26E+02
Max	Aerial	Forestry	Helicopter	N.A.-adult	1.00E+02	--	--	1.76E+08	--	0.24498%	1.46286%	0.21681%	5.20E+01
Max	Ground	Both	Low Boom	N.A.-adult	1.00E+02	--	--	3.16E+08	--	0.13630%	0.09655%	0.12062%	2.83E+02
Max	Ground	Both	High Boom	N.A.-adult	1.00E+02	--	--	3.06E+08	--	0.14073%	0.15963%	0.12454%	2.35E+02

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Calculatio Aggregrate Risk Index - Long Term Exposure Scenario
Scenario: Public Receptors - Routine Exposure
Pesticide: Sulfometuron methyl
Program: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

						Dermal Exposure Pathways			Incidental Ingestion	Dietary Exposure Pathways			Long-Term
						Long-Term Dermal		Short/Int Term Oral	Short/Int Term Oral	Chronic	Chronic	Chronic	Aggregate
Scenario:	AgDrift Scenario	Land Type	Equipment	Public Receptor	Target MOE	Drift MOE	Foliage MOE	Water MOE	Water MOE	Water %PAD	Berries %PAD	Fish %PAD	Risk Index
Typical	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	9.47E+08	6.21E+05	--	--	--	6.20E+03
Typical	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	6.83E+08	4.47E+05	--	--	--	4.47E+03
Typical	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	1.30E+09	8.53E+05	--	--	--	8.52E+03
Typical	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	1.26E+09	8.25E+05	--	--	--	8.25E+03
Max	Aerial	Agricultural	Helicopter	Swimmer-child	1.00E+02	--	--	5.07E+08	3.32E+05	--	--	--	3.32E+03
Max	Aerial	Forestry	Helicopter	Swimmer-child	1.00E+02	--	--	2.67E+08	1.75E+05	--	--	--	1.75E+03
Max	Ground	Both	Low Boom	Swimmer-child	1.00E+02	--	--	4.80E+08	3.14E+05	--	--	--	3.14E+03
Max	Ground	Both	High Boom	Swimmer-child	1.00E+02	--	--	4.65E+08	3.05E+05	--	--	--	3.04E+03
Typical	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	1.62E+09	2.90E+06	--	--	--	2.89E+04
Typical	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	1.17E+09	2.09E+06	--	--	--	2.08E+04
Typical	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	2.23E+09	3.98E+06	--	--	--	3.97E+04
Typical	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	2.16E+09	3.85E+06	--	--	--	3.85E+04
Max	Aerial	Agricultural	Helicopter	Swimmer-adult	1.00E+02	--	--	8.67E+08	1.55E+06	--	--	--	1.55E+04
Max	Aerial	Forestry	Helicopter	Swimmer-adult	1.00E+02	--	--	4.57E+08	8.16E+05	--	--	--	8.15E+03
Max	Ground	Both	Low Boom	Swimmer-adult	1.00E+02	--	--	8.21E+08	1.47E+06	--	--	--	1.46E+04
Max	Ground	Both	High Boom	Swimmer-adult	1.00E+02	--	--	7.95E+08	1.42E+06	--	--	--	1.42E+04

--Receptor not exposed via this pathway.
NA - Not Available.
NC - Not Calculated (No dose-response value).

APPENDIX E - PUBLIC RECEPTOR UNCERTAINTY ANALYSIS (INTERMEDIATE AND LONG-TERM EXPOSURE)
Aggregrate Risk Indices - Routine Exposure Scenarios for Public Receptors
Herbicide: Sulfometuron methyl
Programs: Forest, Energy/Mineral, Rights-of-Way, Recreation/Cultural

EIS HHRA
BLM

	Typical Application Rate Scenario ARIs (a)				Maximum Application Rate Scenario ARIs (a)			
AgDrift Scenario:	**Aerial**	**Aerial**	**Ground**	**Ground**	**Aerial**	**Aerial**	**Ground**	**Ground**
Land Type (c):	**Agricultural**	**Forestry**	**Both**	**Both**	**Agricultural**	**Forestry**	**Both**	**Both**
Equipment (d):	**Helicopter**	**Helicopter**	**Low Boom**	**High Boom**	**Helicopter**	**Helicopter**	**Low Boom**	**High Boom**
Intermediate-Term Exposure (b)								
Hiker/Hunter (Adult)	410	336	485	477	373	200	354	343
Berry Picker (Child)	133	80	193	182	85	38	132	119
Berry Picker (Adult)	234	118	412	371	122	51	264	222
Angler (Adult)	397	326	470	462	362	194	343	333
Residential (Child)	543	181	2,731	1,657	181	68	1,029	623
Residential (Adult)	547	182	2,748	1,667	182	68	1,036	626
Native American (Child)	173	97	271	251	102	44	181	159
Native American (Adult)	242	121	433	388	125	52	276	230
Swimmer (Child)	3,512	2,880	4,152	4,086	3,197	1,714	3,033	2,941
Swmmer (Adult)	16,370	13,426	19,353	19,047	14,904	7,989	14,139	13,709
Long-Term Exposure (b)								
Hiker/Hunter (Adult)	724	522	995	963	387	204	367	355
Berry Picker (Child)	198	100	369	330	87	38	136	122
Berry Picker (Adult)	312	135	730	610	124	51	271	227
Angler (Adult)	702	506	964	934	376	198	356	344
Residential (Child)	543	181	2,731	1,657	181	68	1,029	623
Residential (Adult)	547	182	2,748	1,667	182	68	1,036	626
Native American (Child)	246	116	504	439	103	44	187	163
Native American (Adult)	319	137	762	633	126	52	283	235
Swimmer (Child)	6,201	4,470	8,521	8,249	3,319	1,748	3,142	3,043
Swmmer (Adult)	28,907	20,838	39,718	38,452	15,470	8,149	14,648	14,187

Notes:
ARI - Aggregrate Risk Index. Values less than one represent a level of concern. ARIs less than one are highlighted.
NC - Not Calculated. No dose-response values available.
Sulfometuron Methyl is not applied via airplane under any program or via Helicopter at recreation/cultural sites.
(a) - Application rates are shown on Table 4-1 and are the same for each program.
(b) - Intermediate- and long-term ARIs are based on incidental oral (swimming) and dietary exposure pathways, Sulfometuron Methyl is not toxic via the dermal pathway.
(c) - Land type is a parameter used in AgDRIFT o predict spray drift deposition rates.
(d) - Low and High Boom applies to a truck-mount or an All-Terrain Vehicle (ATV)-mount boom.