

Northeast Georgia Source Water Assessment Susceptibility Analysis

CITY OF MADISON - LAKE OCONEE

		Release Potential						Risk Potential	
		Distance from Water	Ease of Travel	Volume of Release	Duration of Release	Supplemental Guidance	Toxicity	Distance from Intake	
<i>Potential Source Description</i>									
		(Comments)		(Comments)		(Comments)		(Comments)	
IMZ									
A-110	RCRIS	LOW						LOW	
J.D.R. 1630 N Fifth St Madison (Morgan County)		L	L	L	L			L	M
		less than 1,000 gallons		new facility, no reported releases				very few chemicals on site, mold and shape plastics	
D-004	Landfill	MEDIUM						MEDIUM	
Morgan Co-Us 441 N (Co Wk Cp) Us 441/129 2 Mi N Madis Madison (Morgan County)		L	L	M	M		H	M	M
		volume due to landfill run-off, less than 1,000 gallons		on-going releases from run-off		groundwater contamination		closed; sanitary landfill	
K-023	NPDES	HIGH						HIGH	
City Of Madison Hayes Street Madison (Morgan County)		H	H	H	M		M	H	M
		potential for a spill greater than 10,000 gallons		NPDES permit, on-going permitted releases		periodic permit violations		acute/pathogens	
K-089	NPDES	MEDIUM						MEDIUM	
Georgia Pacific Corp. 1400 Woodkraft Road Madison (Morgan County)		L	M	M	M		M	M	H
		Appears that there are some chemicals on site and water used in the processing		NPDES permit, on-going permitted releases		no NPDES violations; small spills documented		two spills of diesel and NALCO	
M-004	Airport	MEDIUM						MEDIUM	
Madison Municipal Airport		L	M	M	L			M	M
		between 1,000 and 10,000 gallons		no reported releases				bulk flammable aviation storage on site	
N-0006	CAFOS	LOW						MEDIUM	
Confined Animal Feeding Operation		L	M	L	L			M	M
		volume due to stormwater run-off and cleaning		no reported releases				pathogens, but typically dry poultry litter or diluted by run-off	

Note: Distance from Water - H (within 500 ft), L (further than 500 ft); Ease - H (hilly, overland flow very likely), M (moderate topography, overland flow likely), L (flat, overland flow not likely)
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N-0007	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	M	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0008	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	M	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0012	CAFOS	MEDIUM				MEDIUM		
Confined Animal Feeding Operation	H	M	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0013	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	M	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0014	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0015	CAFOS	MEDIUM				MEDIUM		
Confined Animal Feeding Operation	H	M	L	L		M	M	
		volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		

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	(Comments)			(Comments)		(Comments)		(Comments)
N-0016	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0017	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0018	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0019	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0020	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	M	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0626	CAFOS	LOW				MEDIUM		
Confined Animal Feeding Operation	L	L	L	L	L		M	M
			volume due to stormwater run-off and cleaning		no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	

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	(Comments)			(Comments)		(Comments)		
N-0627 CAFOS	LOW						MEDIUM	
Confined Animal Feeding Operation	L	L	L	L		M	M	
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
Z-003 Transfer Station	LOW						MEDIUM	
Morgan County Transfer Station	L	H	L	L		M	M	
Madison (Morgan County)	low volume, due to leaks from garbage and cleaning			no reported releases				
ZZ-047 Railroad Crossing	MEDIUM						MEDIUM	
Norfolk Southern	H	H	H	M	L	M	H	
				could have a one-time catastrophic event	less than 5 stream crossings	chronic, chemicals from transporter cars		
ZZ-122 Road Crossing	MEDIUM						MEDIUM	
Secondary road	H	H	M	M	L	M	H	
				could have a one-time catastrophic event	less than 50 stream crossings	chronic, chemicals from tanker trucks		
ZZ-139 Road Crossing	MEDIUM						MEDIUM	
US HWY 129/441	H	H	M	M	M	M	H	
				could have a one-time catastrophic event	Between 5 and 9 stream crossings	chronic, chemicals from tanker trucks		
ZZ-142 Road Crossing	MEDIUM						MEDIUM	
US HWY 278	H	H	M	M	L	M	H	
				could have a one-time catastrophic event	Less than 5 stream crossings	chronic, chemicals from tanker trucks		

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	(Comments)			(Comments)		(Comments)		
OMZ								
B-006 HSI	MEDIUM						MEDIUM	
Murrow Brothers Delinting Waste Us Hwy 441 Farmington (Oconee County)	L	M	L	M		M	L	
	less than 1,000 gallons			Out of business, but site is still on HSI to be cleaned up		Hazardous site that may still be releasing contamination		
D-006 Landfill	MEDIUM						MEDIUM	
Oconee Co-Us 441/Cr 109 Off Us 441 S Of Cr 109, Farmington (Morgan County)	L	M	M	M	M	M	M	
	volume due to landfill run-off			on-going releases from run-off	closed landfill; no known groundwater contamination	closed; construction and demolition landfill		
F-019 Pump Station	LOW						MEDIUM	
Baab Ind. P.S. Social Circle (Walton County)	L	M	L	L		H	L	
	very small capacity station			no reported releases		acute/pathogens		
F-035 Pump Station	LOW						HIGH	
Fourth Street Madison (Morgan County)	L	L	M	L		H	M	
	no information available on size			no reported releases		acute/pathogens		
F-057 Pump Station	MEDIUM						MEDIUM	
Rutledge Pump Station Rutledge (Morgan County)	H	M	M	M		H	L	
	medium sized station that has been upgraded with alarms			had 2 spills last year and was issued consent orders; station has been upgraded to prevent future spills		acute/pathogens		
H-003 Oil Facility	LOW						MEDIUM	
Stephans Oil Company 300 Holly Street Social Circle (Walton County)	L	L	M	L		M	L	
	lots of fuel/oil storage with secondary containment			no reported releases		oil and fuel storage		

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<i>Potential Source Description</i>		(Comments)			(Comments)		(Comments)	
K-099	NPDES	MEDIUM					MEDIUM	
DNR Hard Labor Creek State Lake Rutledge (Walton County)		L	M	M	M	H	H	L
		The park has three outfalls. Not much use in the winter but a large increase in the summer.			NPDES permit, on-going permitted releases	chronic permit violations (worse in summer)	acute/pathogens	
L-001	AGPOND	MEDIUM					HIGH	
Ag Waste Lagoon		H	M	H	L		H	M
		greater than 10,000 gallons			no reported releases		concentrated pathogens	
L-056	AGPOND	MEDIUM					MEDIUM	
Ag Waste Lagoon		L	M	H	L		H	L
		greater than 10,000 gallons			no reported releases		concentrated pathogens	
L-057	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons			no reported releases		concentrated pathogens	
L-058	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons			no reported releases		concentrated pathogens	
P-021	TRI	MEDIUM					MEDIUM	
American Dehydrated Foods 1022 E. Hightower rd Social circle (Walton County)		L	M	M	M		H	L
		have secondary containment but move chemicals around plant during operations			had some compliance issues with pretreatment and one documented spill		many chemicals some hazardous sulfuric acid	

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<i>Potential Source Description</i>		(Comments)		(Comments)		(Comments)		
P-035	TRI	LOW					MEDIUM	
Standridge Color Corp. 832 E. Hightower Trail Social Circle (Walton County)		L	L	L	L		M	L
		less than 1,000 gallons		no reported releases		miscellaneous chemicals		
P-041	TRI	MEDIUM					MEDIUM	
Standridge Color Corp. Plant 2 145 Standridge Dr. Social Circle (Walton County)		L	M	M	H		M	L
		most past releases were 1 lb some were 5 lbs		chronic releases to the creek from 1994-1999		Heavy metals (antimony, lead, copper, ..)		
V-020	RCRIS	LOW					MEDIUM	
Certainteed Corporation 200 Ronthor Dr. Social Circle (Walton County)		L	M	L	L		M	L
		small quantity generator		no reported releases		small quantity generator ; antimony, manganese, chromium compounds listed		
V-021	RCRIS	LOW					MEDIUM	
D & D Waste Oil Disposal Moina Micheal Rd Good Hope (Walton County)		L	L	M	L		M	L
		between 1,000 and 10,000 gallons		no reported releases		miscellaneous waste oils and hazardous wastes		
ZZ-037	Railroad Crossing	MEDIUM					MEDIUM	
CSX		H	H	H	M	L	M	M
				could have a one-time catastrophic event		less than 5 stream crossings		chronic, chemicals from transporter cars
ZZ-048	Railroad Crossing	MEDIUM					MEDIUM	
Norfolk Southern		H	H	H	M	L	M	M
				could have a one-time catastrophic event		less than 5 stream crossings		chronic, chemicals from transporter cars

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	(Comments)			(Comments)		(Comments)			
ZZ-062	Road Crossing	MEDIUM						MEDIUM	
GA Hwy 186		H	H	M	M	M	M	M	
					could have a one-time catastrophic event	Between 5 and 9 stream crossings	chronic, chemicals from tanker trucks		
ZZ-099	Road Crossing	HIGH						MEDIUM	
GA Hwy 83		H	H	M	M	H	M	M	
					could have a one-time catastrophic event	10 or more stream crossings	chronic, chemicals from tanker trucks		
ZZ-123	Road Crossing	HIGH						MEDIUM	
Secondary road		H	H	M	M	H	M	M	
					could have a one-time catastrophic event	more than 100 stream crossings	chronic, chemicals from tanker trucks		
ZZ-140	Road Crossing	MEDIUM						MEDIUM	
US HWY 129/441		H	H	M	M	L	M	M	
					could have a one-time catastrophic event	Less than 5 stream crossings	chronic, chemicals from tanker trucks		
NMZ									
B-010	Landfill/HSI	MEDIUM						MEDIUM	
SPEEDWAY OFF SR 324, 3 MI SW Winder (Barrow County)		L	L	M	H	M	H	L	
				volume due to stormwater run-off; cleanup activities in progress	on-going releases from run-off; groundwater contamination	groundwater contamination; cleanup has begun	Arsenic, cadmium, lead, Benzene, TCE, Toluene in groundwater		
D-002	Landfill	MEDIUM						LOW	
Oak Grove MSWlf Off Sr 324 3 Mi Sw Of Winder (Barrow County)		L	L	M	M	M	L	L	
				volume due to stormwater run-off	on-going releases from run-off	on site of Speedway Landfill which is HIS site	open; sanitary (MSW) landfill		

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	(Comments)			(Comments)		(Comments)		
D-026 Landfill	MEDIUM						MEDIUM	
City Of Winder Off Maynard (Barrow County)	L	H	L	L	M	M	L	
	closed landfill, volume due to stormwater run-off			no reported releases	closed landfill; no known groundwater contamination	closed; sanitary landfill		
D-027 Landfill	LOW						MEDIUM	
City Of Winder/Bethlehem - Closed (Barrow County)	L	L	L	L	M	M	L	
	closed landfill, volume due to stormwater run-off			no reported releases	closed landfill; no known groundwater contamination	closed; sanitary landfill		
D-028 Landfill	MEDIUM						MEDIUM	
City Of Bethlehem-Closed (Barrow County)	H	M	L	L	M	M	L	
	closed landfill, volume due to stormwater run-off			no reported releases	closed landfill; no known groundwater contamination	closed; sanitary landfill		
D-029 Landfill	MEDIUM						LOW	
Patrick Inert (Barrow County)	L	H	M	M	M	L	L	
	volume due to stormwater run-off			on-going releases from run-off	inert landfill, no known groundwater contamination	open; sanitary (MSW) landfill		
K-024 NPDES	MEDIUM						MEDIUM	
City Of Winder WPCP (Marburg Creek) Hwy 11, South (Broad Street) Winder (Barrow County)	H	H	H	M	L	H	L	
	greater than 10,000 gallons			NPDES permit, on-going permitted releases	no known compliance problems	acute/pathogens		
K-085 NPDES	HIGH						MEDIUM	
Monroe - Jacks Creek WPCP 2200 Hwy 83, South Monroe (Walton County)	H	M	H	M	H	H	L	
	greater than 10,000 gallons			NPDES permit, on-going permitted releases	no violations, but several spills	acute/pathogens		

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O-008	LAS	LOW						MEDIUM	
Family Life Enrichment Highway 78		L	M	L	M	L	M	L	
		LAS for waste generated on site		LAS permit, therefore on-going releases to land		no known compliance problems		LAS system; treated prior to application	
O-009	LAS	MEDIUM						MEDIUM	
Harrison Farms		H	M	M	M	L	M	L	
		LAS for large poultry operation		LAS permit, therefore on-going releases to land		no known compliance problems		LAS system; treated prior to application	
O-012	LAS	MEDIUM						MEDIUM	
Marburg Creek LAS		L	M	M	M	L	M	L	
		between 1,000 and 10,000 gallons		chronic small events		no known compliance problems		LAS system; treated prior to application	

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