

Northeast Georgia Source Water Assessment Susceptibility Analysis

CITY OF WINDER - MULBERRY RIVER

Potential Source Description	Release Potential					Risk Potential	
	Distance from Water	Ease of Travel	Volume of Release	Duration of Release	Supplemental Guidance	Toxicity	Distance from Intake
	(Comments)			(Comments)		(Comments)	
IMZ							
F-025 Pump Station	MEDIUM					HIGH	
Braselton Pump Station (Ind. Park) S.R. 124 In Barrow Co. Braselton (Barrow County)	H	L	L	M		H	M
	capacity is 5.2 gpm or 7,500 gpd; have alarms, may install an automated monitoring system			had one spill but it was in the line upstream, not at the station		acute/pathogens	
K-063 Mine/NPDES	MEDIUM					MEDIUM	
Martin Marietta Aggregates 301 Parks Mill Road Auburn (Barrow County)	H	H	M	M	L	M	M
	Store large quantities of petroleum (15,500 gallons); Have stormwater protection plan and secondary containment			NPDES permit, on-going permitted releases	no known compliance problems	Sediment from settling ponds; petroleum stored on-site	
L-002 AGPOND	MEDIUM					HIGH	
Ag Waste Lagoon	L	M	H	L		H	H
	greater than 10,000 gallons			no reported releases		concentrated pathogens	
N-0138 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-0140 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)
Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)

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	(Comments)			(Comments)		(Comments)	
N-0141 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-0142 CAFOS	LOW					MEDIUM	
Confined Animal Feeding Operation	L	L	L	L		M	H
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0143 CAFOS	LOW					MEDIUM	
Confined Animal Feeding Operation	L	L	L	L		M	H
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0144 CAFOS	LOW					MEDIUM	
Confined Animal Feeding Operation	L	M	L	L		M	H
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off	
N-0145 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-0150 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	

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 Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)*

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	(Comments)			(Comments)		(Comments)	
Potential Source Description							
N-0154 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-0155 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-0156 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-0157 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-0158 CAFOS	MEDIUM					MEDIUM	
Confined Animal Feeding Operation	H	H	L	L		M	H
			volume due to stormwater run-off and cleaning	no reported releases			pathogens, but typically dry poultry litter or diluted by run-off
N-0159 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

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)
Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)

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	(Comments)			(Comments)		(Comments)		
N-0160 CAFOS	MEDIUM						MEDIUM	
Confined Animal Feeding Operation	H	M	L	L		M	H	
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0161 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-0162 CAFOS	MEDIUM						MEDIUM	
Confined Animal Feeding Operation	H	H	L	L		M	H	
	volume due to stormwater run-off and cleaning			no reported releases		pathogens, but typically dry poultry litter or diluted by run-off		
N-0168 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-0174 CAFOS	MEDIUM						MEDIUM	
Confined Animal Feeding Operation	H	H	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-0175 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)
Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)

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	Distance from Water	Ease of Travel	Volume of Release	Duration of Release	Supplemental Guidance	Toxicity	Distance from Intake	
	(Comments)			(Comments)		(Comments)		
N-0179	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		
O-003	LAS	MEDIUM				MEDIUM		
City of Braselton John Pirkle Road Braselton (Jackson County)	H	H	M	M	L	M	M	
		between 1,000 and 10,000 gallons		LAS permit, therefore on-going releases to land		LAS system; treated prior to application		
T-006	IFD	MEDIUM				HIGH		
Braselton Pond	H	H	M	L		H	M	
		small pond; 1,000 to 10,000 gallons		no reported releases		acute/pathogens		
V-012	TRI	MEDIUM				MEDIUM		
Mayfield Dairy Farms Inc. 1160 Broadway Ave Braselton (Jackson County)	H	H	L	L		M	M	
		less than 1,000 gallons; on-site control measures		no reported releases		miscellaneous chemicals (sulfuric acid; nitric acid) and metals (lead)		
ZZ-054	Road Crossing	MEDIUM				MEDIUM		
GA Hwy 124	H	H	M	M	L	M	H	
				could have a one-time catastrophic event		Less than 5 stream crossings		
						chronic, chemicals from tanker trucks		
ZZ-065	Road Crossing	MEDIUM				MEDIUM		
GA Hwy 211	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		

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		Release Potential					Risk Potential				
		Distance from Water	Ease of Travel	Volume of Release	Duration of Release	Supplemental Guidance	Toxicity	Distance from Intake			
Potential Source Description		(Comments)		(Comments)		(Comments)		(Comments)			
ZZ-083	Road Crossing	MEDIUM					MEDIUM				
GA Hwy 53		H	H	M	M	L	M	H	could have a one-time catastrophic event	Less than 5 stream crossings	chronic, chemicals from tanker trucks
ZZ-104	Road Crossing	MEDIUM					MEDIUM				
I-85		H	H	M	M	L	M	H	could have a one-time catastrophic event	Less than 5 stream crossings	chronic, chemicals from tanker trucks
ZZ-131	Road Crossing	MEDIUM					MEDIUM				
Secondary road		H	H	M	M	M	M	H	could have a one-time catastrophic event	between 50 and 100 stream crossings	chronic, chemicals from tanker trucks

OMZ

A-161	RCRIS	LOW					MEDIUM				
Phillips Correctional Inst (Clyde N. Philli 2989 W Rock Quarry Rd Buford (Gwinnett County)		L	L	M	L	L	M	L	Store between 1,000-10,000 gallons of mostly cleaning chemicals; 8,000 gallons of petroleum; don't appear to have 2nd containment	suspected of spilling detergent in a nearby stream (only occurred once)	
F-021	Pump Station	LOW					HIGH				
Braselton Pump Station S.R. 211 In Barrow Co. Braselton (Barrow County)		L	M	L	L	L	H	M	capacity is 13.8 gpm or 20,000 gpd; have alarms, may install an automated monitoring system	no reported releases	acute/pathogens

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		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)		
F-022	Pump Station	MEDIUM					HIGH	
Braselton Pump Station (Chateau Elan) Golf Club Dr. In Barrow Co. Braselton (Barrow County)		H	H	L	L		H	M
		capacity is 1.1 GPM or 1600 gpd; have alarms, may install an automated monitoring system		no reported releases		acute/pathogens		
F-023	Pump Station	MEDIUM					HIGH	
Braselton Pump Station (Chateau Elan) Golf Club Dr. In Gwinnett Co. Braselton (Gwinnett County)		H	M	L	L		H	M
		capacity is 0.7 gpm or 1000 gpd; have alarms, may install an automated monitoring system		no reported releases		acute/pathogens		
F-024	Pump Station	MEDIUM					HIGH	
Braselton Pump Station (Chateau Elan) Duncan Rd. In Gwinnett Co. Braselton (Gwinnett County)		H	H	L	L		H	M
		capacity is 0.4 gpm or 500 gpd; have alarms, may install an automated monitoring system		no reported releases		acute/pathogens		
K-092	NPDES	MEDIUM					LOW	
Blue Circle Aggregates		L	M	M	M	L	L	L
Buford (Hall County)		contaminants are diluted but open pits		NPDES permit, on-going permitted releases	Some problems in the past but redesigned no problems since	Sediment from process		
L-003	AGPOND	MEDIUM					HIGH	
Ag Waste Lagoon		H	M	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-004	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		

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		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)	
L-021	AGPOND	HIGH					MEDIUM	
Ag Waste Lagoon		H	H	H	L		H	L
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-022	AGPOND	LOW					MEDIUM	
Ag Waste Lagoon		L	L	H	L		H	L
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-023	AGPOND	MEDIUM					HIGH	
Ag Waste Lagoon		L	M	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-024	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-025	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		
L-026	AGPOND	HIGH					HIGH	
Ag Waste Lagoon		H	H	H	L		H	M
		greater than 10,000 gallons		no reported releases		concentrated pathogens		

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 Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)*

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	(Comments)			(Comments)		(Comments)			
L-061	AGPOND	MEDIUM						MEDIUM	
Ag Waste Lagoon	L	M	H	L			H	L	
		greater than 10,000 gallons		no reported releases		concentrated pathogens			
O-006	LAS	MEDIUM						MEDIUM	
Crystal Farms	L	H	M	M	L		M	M	
		large facility with two spray fields and 4 large animal waste lagoons		LAS permit, therefore on-going releases to land	no known compliance problems		LAS system; treated prior to application		
O-007	LAS	MEDIUM						MEDIUM	
Crystal Farms	L	M	M	M	L		M	M	
		large facility with two spray fields and 4 large animal waste lagoons		LAS permit, therefore on-going releases to land	no known compliance problems		LAS system; treated prior to application		
ZZ-066	Road Crossing	MEDIUM						MEDIUM	
GA Hwy 211	H	H	M	M	L		M	M	
				could have a one-time catastrophic event		Less than 5 stream crossings		chronic, chemicals from tanker trucks	
ZZ-084	Road Crossing	MEDIUM						MEDIUM	
GA Hwy 53	H	H	M	M	L		M	M	
				could have a one-time catastrophic event		Less than 5 stream crossings		chronic, chemicals from tanker trucks	
ZZ-105	Road Crossing	HIGH						MEDIUM	
I-85	H	H	M	M	H		M	M	
				could have a one-time catastrophic event		10 or more stream crossings		chronic, chemicals from tanker trucks	

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		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)		
ZZ-132	Road Crossing	MEDIUM					MEDIUM	
Secondary road		H	H	M	M	M	M	M
					could have a one-time catastrophic event	between 50 and 100 stream crossings	chronic, chemicals from tanker trucks	

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 Distance from Intake - H (within 7 miles upstream), M (between 7 and 15 miles), L (greater than 15 miles)*