

US EPA ARCHIVE DOCUMENT

**TABLE 7-1
SUMMARY OF AREAS OF ECOLOGICAL INTEREST FOR ECOLOGICAL RISK EVALUATION**

**RFI PHASE II REPORT
GENERAL MOTORS CORPORATION
NAO FLINT OPERATIONS SITE - FLINT, MICHIGAN**

Area and Description	Industrial Areas	Undeveloped Areas	Retain for Habitat Assessment?
Areas of Ecological Interest North of Leith Street			
Buildings/operations areas	ü		N
USTs/ASTs	ü		N
Industrial wastewater facilities	ü		N
Solid waste transfer facility	ü		N
Scrapyard/coalyard	ü		N
Wastewater aeration lagoon area		ü	Y
Vacant lot south of former aeration lagoons		ü	Y
Areas of Ecological Interest South of Leith Street			
Trenches/sumps/pits	ü		N
Buildings/operations areas	ü		N
USTs/ASTs	ü		N
Drum storage areas	ü		N

**TABLE 7-2
COMPARISON OF CHEMICAL CONCENTRATIONS IN SOIL SAMPLES FROM ECOLOGICAL AREAS OF INTEREST TO SCREENING LEVELS AND BACKGROUND CONCENTRATIONS**

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Habitat	General Characteristics				ERA Assessment Endpoint/Receptor Category									Conclusion	
	Release Likely?	Sufficient Size?	Accessible to Wildlife?	Active Industrial Use?	Aquatic plants	Aquatic macro-invertebrates	Fish	Piscivorous birds/mammals	Terrestrial plants	Soil fauna	Omnivorous mammals	Herbivorous mammals	Carnivorous/insectivorous birds/mammals	Carried Forward for Further Evaluation?	Rationale
Industrial water bodies															
Stormwater pond, process water basin, or drainage ditch															
Wastewater Aeration Lagoon No outlet to non-industrial water body	N	Y	Y	N	x	x	x	√ ^a			√ ^a			N	No release
Hydrologic connection to non-industrial water body					x	x	√ ^b	√ ^a			√ ^a				
Non-industrial water bodies															
Pond/lake					x	√	√	√			√				
Marsh/wetland					x	√	√	√			√				
Creek/stream/river					x	√	√	√			√				
Terrestrial habitats															
Developed areas (buildings, etc.)	NE	NE	NE	NE					NE	NE	NE	NE	NE	N	NE
Paved or graveled areas	NE	NE	NE	NE					NE	NE	NE	NE	NE	N	NE
Landscaped and intensively maintained areas	NE	NE	NE	NE					NE	NE	NE	NE	NE	N	NE
Vacant Lot Infrequently maintained areas/natural fields	N	Y	Y	N					√	√	√	√	√	Y	Presence of surface soil contaminants
Woodlots and forests															

Notes:

^a Will be an assessment endpoint if water body is of sufficient size and hydroperiod, and with appropriate prey species for proposed receptors.

^b Will be an assessment endpoint if there is movement or colonization of fish from connected natural water body.

NE = Not evaluated, because feature not considered to be ecological habitat.

x = Not an assessment endpoint for this habitat, but may be assessed for risk to higher trophic-level receptors.

√ = Assessment endpoint for this habitat.

■ Not applicable for this feature or not present at this facility