

Table 4. Current/ongoing known or assumed threats facing the aquatic species at risk in the Thames River watershed.

Species	Conservation Priority Ranks	Current/Ongoing Known or Assumed Threats in the Thames River Watershed
Freshwater Mussels:		
snuffbox	Possibly Extirpated	habitat degradation, poor water quality, siltation (agricultural), decline of glochidial host
wavy-rayed lampmussel	High	habitat loss, sedimentation (urban), pollution, exotic species (?), predation, recreational activities (?), decline of glochidial host
round hickorynut	Possibly Extirpated	impoundments, channelization, siltation, runoff, pollution, exotic species (?), decline of glochidial host
round pigtoe	High	pollution, siltation, habitat perturbation, inundation, exotic species (?), decline of glochidial host
kidneyshell	Possibly Extirpated	habitat loss, siltation, exotic species (?), predation, decline of glochidial host
mudpuppy mussel	High	siltation, pollution, impoundments, exotic species (?), decline of glochidial host
rayed bean	High	siltation (agricultural), pollution (agricultural and urban), habitat loss
Reptiles:		
spotted turtle	High	habitat loss/alteration (especially wetland drainage), barriers, predation, recreational activities, exotic species, pet trade
spiny softshell	High	habitat alteration/degradation, dams, recreational activities, predation, exotic species impacts on prey items (?)
stinkpot turtle	Possibly Extirpated	habitat alteration (especially wetland drainage), barriers, recreational activities
queen snake	High	dams, habitat alterations (agricultural and urban), toxics, exotic species impacts on prey items (?)
northern map turtle	Low	barriers, habitat alteration, human activities, dams, predation, road mortality, flooding, predation, recreational activities, loss of prey items
eastern ribbonsnake	Medium	habitat loss/degradation, decline in food items, human persecution, road mortality, predation
Fishes:		
gravel chub	Possibly Extirpated	habitat loss, siltation (agricultural and urban)
northern madtom	High	poor water quality, sediment and nutrient loading, exotic species (?)
eastern sand darter	High	habitat loss/alteration (dams, impoundments, land-use practices), siltation, pollution (?), exotic species (?)
black redhorse	High	turbidity, impoundments, recreational activities (?)
lake chubsucker	Possibly Extirpated	siltation, habitat loss
northern brook lamprey	Medium	low water levels, siltation, pollution, habitat degradation
greenside darter	Low	habitat degradation, turbidity (?), loss of prey items
bigmouth buffalo	Medium	habitat alteration (channelization, removal of meander loops, setting water levels)
silver shiner	Medium	habitat loss (?), pollution (?), channelization (?), turbidity (?), impoundments (?)
pugnose minnow	Medium	turbidity (erosion), habitat loss (specifically wetland loss)
river redhorse	Medium	dams, impoundments, habitat degradation, recreational activities (?), loss of prey items
spotted sucker	Medium	dams, impoundments