

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
2	Goerita semata	A caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
3	Phyloctropus auriceps	A caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
4	Theliopsyche grisea	A caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
5	Wormaldia mohri	A caddisfly	Aquatic Insect	Trichoptera	I	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
6	Rhyacophila mycta	A free-living caddisfly	Aquatic Insect	Trichoptera	I	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
7	Cheumatopsyche parentum	A hydropsyhid caddisfly	Aquatic Insect	Trichoptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
8	Chimarra augusta	A hydroptychid caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
9	Homoplectra monticola	A hydroptychid caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
10	Parapsyche cardis	A hydroptychid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
11	Lepidostoma mitchelli	A lepidostomatid caddisfly	Aquatic Insect	Trichoptera	I	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
12	Lepidostoma wigginsi	A lepidostomatid caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
13	Ceraclea ruthae	A leptocerid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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14	Anabolia apora	A limnephilid caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
15	Nemotaulius hostilis	A limnephilid caddisfly	Aquatic Insect	Trichoptera	II	c	n/a	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
16	Ceraclea spongillovorax	A longhorned caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
17	Habrophlebiodes celeteria	A mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
18	Isonychia serrata	A mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
19	Hydropsyche bassi	A net-spinning caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
20	Hydropsyche brunneipennis	A net-spinning caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
21	Hydropsyche carolina	A net-spinning caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
22	Hydropsyche catawba	A net-spinning caddisfly	Aquatic Insect	Trichoptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
23	Hydropsyche macleodi	A net-spinning caddisfly	Aquatic Insect	Trichoptera	I	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
24	Hydropsyche ophthalmica	A net-spinning caddisfly	Aquatic Insect	Trichoptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
25	Hydropsyche potomacensis	A net-spinning caddisfly	Aquatic Insect	Trichoptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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26	Hydropsyche rotosa	A net-spinning caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
27	Pycnopsyche virginica	A northern casemaker caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
28	Oligostomis pardalis	A phryganeid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
29	Rhyacophila kondratieffi	A rhyacophilid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
30	Rhyacophila simmonsi	A rhyacophilid caddisfly	Aquatic Insect	Trichoptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
31	Rhyacophila teddyi	A rhyacophilid caddisfly	Aquatic Insect	Trichoptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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32	Rhyacophila tricornuta	A rhyacophilid caddisfly	Aquatic Insect	Trichoptera	I	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
33	Isoperla stewarti	a stripetail	Aquatic Insect	Plecoptera	I	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
34	Neophylax acutus	A uenoid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
35	Neophylax etnieri	A uenoid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
36	Neophylax stolus	A uenoid caddisfly	Aquatic Insect	Trichoptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
37	Neophylax toshioi	A uenoid caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
38	Neophylax wigginsi	A uenoid caddisfly	Aquatic Insect	Trichoptera	IV	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
39	Macromia alleghaniensis	Allegheny river cruiser	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
40	Ophiogomphus incurvatus alleghaniensis	Allegheny snaketail	Aquatic Insect	Odonata	I	c	Grasslands, Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
41	Heteroplectron americanum	American comb-lipped caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
42	Cordulia shurtleffi	American emerald	Aquatic Insect	Odonata	IV	c	Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
43	Beraea fontana	American spring-loving caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
44	Psilotreta rossi	An odontocerid caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
45	Calopteryx angustipennis	Appalachian jewelwing	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
46	Rhyacophila appalachia	Appalachian rhyacophilid caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
47	Ophiogomphus incurvatus incurvatus	Appalachian snaketail	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
48	Hansonoperla appalachia	Appalachian stonefly	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
49	Cordulegaster obliqua	Arrowhead spiketail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
50	Hylogomphus apomyius	Banner clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
51	Epitheca canis	Beaverpond baskettail	Aquatic Insect	Odonata	II	c	Grasslands, Shrublands, Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
52	Barbaetis benfieldi	Benfield's bearded small minnow mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
53	Ostrocerca prolongata	Bent forestfly	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
54	Tsalia beneri	Berner's ephemerella mayfly	Aquatic Insect	Ephemeroptera	IV	a	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
55	Isoperla major	Big stripetail stonefly	Aquatic Insect	Plecoptera	I	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pasture	

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
56	Isoperla pseudolata	Black stripetail	Aquatic Insect	Plecoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
57	Aeshna tuberculifera	Black-tipped darner	Aquatic Insect	Odonata	III	c	Forests and Woodlands; Ponds	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation. (9.3.2)	Grassland pastures	
58	Enallagma weewa	Blackwater bluet	Aquatic Insect	Odonata	III	c	Creeks and Rivers, Large Rivers	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
59	Alloperla stipitata	Blue Ridge sallfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
60	Alloperla stannardi	Blue Ridge snowfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
61	Remenus kirchneri	Blueridge springfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
62	Ophiogomphus aspersus	Brook snaketail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
63	Hydropsyche etnieri	Buffalo springs caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
64	Enallagma dubium	Burgundy bluet	Aquatic Insect	Odonata	IV	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
65	Homoeoneuria cahabensis	Cahaba sand-filtering mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
66	Aeshna canadensis	Canada darner	Aquatic Insect	Odonata	II	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
67	Ladona julia	Chalk-fronted corporal skimmer	Aquatic Insect	Odonata	III	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)	Grassland pastures	

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
68	Stenogomphurus consanguis	Cherokee clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
69	Neurocordulia virginensis	Cinnamon shadowdragon	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
70	Trienodes taenia	Cold spring triaenodes caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
71	Taeniopteryx nelsoni	Cryptic willowfly	Aquatic Insect	Plecoptera	I	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
72	Cordulegaster diastatops	Delta-spotted spiketail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Headwater Streams	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
73	Pycnopsyche conspersa	Dispersed northern caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
74	Leucorrhinia intacta	Dot-tailed whiteface	Aquatic Insect	Odonata	IV	c	Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
75	Ceraclea punctata	Dotted long-horned caddisfly	Aquatic Insect	Trichoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
76	Rhyacophila otica	Eared free-living caddisfly	Aquatic Insect	Trichoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
77	Ophiogomphus edmundo	Edmund's snaketail	Aquatic Insect	Odonata	I	c	Forests and Woodlands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
78	Nannothemis bella	Elfin skimmer	Aquatic Insect	Odonata	II	c	Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
79	Celithemis ornata	Faded pennant	Aquatic Insect	Odonata	II	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
80	Somatochlora filosa	Fine-lined emerald	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
81	Zapada fumosa	Fumose forestfly	Aquatic Insect	Plecoptera	I	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
82	Lepidostoma modestum	Gentle bizarre caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
83	Tachopteryx thoreyi	Gray petaltail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Shrublands, Headwater Streams, Non-tidal Wetlands	5.3.1, 9.3.2,	Complete Removal of the Forest Cover / Soil Erosion, Sedimentation /	Cutting removing the majority of the forest cover. E.g., clear-cutting and related cuts (CT, CRS, CPRS, CPHRS, CPPTM). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Complete removal of forest habitat for logging would render the habitat non-viable for this species.(5.3.1), Follow BMPs to limit erosion and sedimentation (9.3.2)		
84	Hylogomphus viridifrons	Green-faced clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
85	Aeshna verticalis	Green-striped darner	Aquatic Insect	Odonata	II	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes	
86	Enallagma hageni	Hagen's bluet	Aquatic Insect	Odonata	IV	c	Non-tidal Wetlands	1.1.2		Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
87	Phanogomphus descriptus	Harpoon clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,		Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
88	Yugus arinus	Highlands springfly	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,		Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
89	Sweltsa holstonensis	Holston sallfly	Aquatic Insect	Plecoptera	I	c	Headwater Streams	7.3.3, 9.3.2,		Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
90	Leucorrhinia hudsonica	Hudsonian whiteface	Aquatic Insect	Odonata	II	c	Non-tidal Wetlands	1.1.2		Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
91	Allocapnia illinoensis	Illinois snowfly	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,		Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
92	Diploperla janeae	Jane's strippetail	Aquatic Insect	Plecoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
93	Acroneuria kosztarabi	Kosztarab's common stonefly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
94	Stylurus laurae	Laura's clubtail	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
95	Tallaperla lobata	Lobed roachfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
96	Ophiogomphus mainensis	Maine snaketail	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
97	Epitheca semiaquea	Mantled baskettail	Aquatic Insect	Odonata	II	c	Grasslands, Shrublands, Savannas,	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
98	Macrodiplax balteata	Marl pennant	Aquatic Insect	Odonata	II	c	Tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
99	Celithemis martha	Martha's pennant	Aquatic Insect	Odonata	III	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)	Grassland pastures	
100	Gomphurus fraternus	Midland clubtail	Aquatic Insect	Odonata	III	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
101	Leuctra mitchellensis	Mitchell needlfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
102	Leuctra monticola	Montane needlfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
103	Macromia margarita	Mountain river cruiser	Aquatic Insect	Odonata	I	c	Forests and Woodlands, Grasslands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
104	Hylogomphus adelphus	Moustached clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
105	Enallagma annexum	Northern bluethroat	Aquatic Insect	Odonata	II	c	n/a	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
106	Lestes disjunctus	Northern common spreadwing	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
107	Lanthus parvulus	Northern pygmy clubtail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
108	Ostrocerca complexa	Notched forestfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
109	Boyeria grafiana	Ocellated darner	Aquatic Insect	Odonata	IV	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
110	Acroneuria yuchi	Ornate stone	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
111	Enallagma pallidum	Pale bluets	Aquatic Insect	Odonata	II	c	Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
112	Hylogomphus parvidens	Piedmont clubtail	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
113	Baetisca rubescens	Provancher's armored mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
114	Ophiogomphus howei	Pygmy snaketail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
115	Phanogomphus quadricolor	Rapids clubtail	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
116	Coryphaeschna ingens	Regal darnier	Aquatic Insect	Odonata	II	c	Forests and Woodlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
117	Ophiogomphus carolus	Riffle snaketail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
118	Stylurus amnicola	Riverine clubtail	Aquatic Insect	Odonata	II	c	Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
119	Isoperla riverae	River's stripetail	Aquatic Insect	Plecoptera	IV	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
120	Epitheca spinosa	Robust baskettail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)	Timbered upland forest	
121	Isogenoides varians	Rock island springfly	Aquatic Insect	Plecoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
122	Stenogomphurus rogersi	Sable clubtail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Grasslands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
123	Nehalennia irene	Sedge sprite	Aquatic Insect	Odonata	II	c	Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
124	Helocordulia selysii	Selys' sundragon	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
125	Gomphurus septima	Septima's clubtail	Aquatic Insect	Odonata	I	c	Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
126	Megaleuctra flinti	Shenandoah needlfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
127	Rhyacophila shenandoahensis	Shenandoah rhyacophilid caddisfly	Aquatic Insect	Trichoptera	III	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
128	Sweltsa palearata	Shenandoah sallfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
129	Gomphurus ventricosus	Skilllet clubtail	Aquatic Insect	Odonata	I	c	Forests and Woodlands, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
130	Somatochlora elongata	Ski-tailed emerald	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers, Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
131	Megaleuctra williamsae	Smokies needlefty	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
132	Allocapnia fumosa	Smokies snowfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
133	Lanthis vernalis	Southern pygmy clubtail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
134	Cultus decesus isolatus	Southern springfly	Aquatic Insect	Plecoptera	III	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
135	Nehalennia integricollis	Southern sprite	Aquatic Insect	Odonata	IV	c	Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		
136	Rhionaeschna mutata	Spatterdock darner	Aquatic Insect	Odonata	II	c	Grasslands, Shrublands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
137	Ceraclea uvalo	Spatulate long-horned caddisfly	Aquatic Insect	Trichoptera	III	c	Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
138	Allocaupnia simmonsii	Spatulate snowfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
139	Nehalennia gracilis	Sphagnum sprite	Aquatic Insect	Odonata	III	c	Non-tidal Wetlands	1.1.2	Low-Density Housing Areas / /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
140	Hylogomphus abbreviatus	Spine-crowned clubtail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
141	Ophiogomphus susbehcha	St. Croix snaketail	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures, shrubland pastures	
142	Neurocordulia yamaskanensis	Stygian shadowdragon	Aquatic Insect	Odonata	III	c	Forests and Woodlands, Grasslands, Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)	Grassland pastures	
143	Calopteryx amata	Superb jewelwing	Aquatic Insect	Odonata	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
144	Alloperla neglecta	Tennessee sallfly	Aquatic Insect	Plecoptera	II	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
145	Cordulegaster erronea	Tiger spiketail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

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1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
146	Somatochlora provocans	Treetop emerald	Aquatic Insect	Odonata	II	c	Forests and Woodlands, Grasslands, Shrublands, Creeks and Rivers	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
147	Aphylla williamsoni	Two-striped forceptail	Aquatic Insect	Odonata	IV	c	Forests and Woodlands, Non-tidal Wetlands	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
148	Sweltsa voshelli	Virginia sallfly	Aquatic Insect	Plecoptera	III	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
149	Diploperla morgani	Virginia springfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams, Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
150	Anthopotamus verticis	Walker's tusked sprawler	Aquatic Insect	Ephemeroptera	IV	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
151	Yugus kondratieffi	Watauga springfly	Aquatic Insect	Plecoptera	IV	c	Headwater Streams	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		

	A	B	C	D	E	F	G	H	L	P	T	U	V
1	Scientific_Name	Common_Name	Grouping	Type	Tier	COR	Habitats	Threat_Code	Threat_Description	Threat_Long	Actions	Working_Lands	Notes
152	Pseudiron centralis	White sand-river mayfly	Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
153	Sympetrum obtusum	White-faced meadowhawk	Aquatic Insect	Odonata	II	c	n/a	1.1.2, 9.3.2,	Low-Density Housing Areas / Soil Erosion, Sedimentation /	Extensive development that is residential (including resorts), where the spacing allows ecological functions to continue to some extent. This type of development is seen particularly in rural and agroforestry areas. E.g., residential buildings in agricultural areas, cottages, vacation homes near water bodies, ecotourism lodges, fishing resorts, backcountry ski lodges. / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Habitat protection is essential, so cooperation and education of land owners should be high priority. (1.1.2), Follow BMPs to limit erosion and sedimentation (9.3.2)		
154	Stylurus scudderi	Zebra clubtail	Aquatic Insect	Odonata	II	c	Creeks and Rivers, Large Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of riverine habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
155	Heptagenia townesi		Aquatic Insect	Ephemeroptera	II	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		
156	Isonychia hoffmani		Aquatic Insect	Ephemeroptera	I	c	Creeks and Rivers	7.3.3, 9.3.2,	Natural Erosion and Sedimentation / Soil Erosion, Sedimentation /	Removal, transport and deposition of sediments that is caused by natural erosional processes. To be distinguished from the transport of sediments that is associated with tides (Threat 4.3.1), or by drainage systems in agriculture (Threat 7.2.5) and forestry (Threat 7.2.6). / Erosion and sedimentation that are due to agricultural or silvicultural activities, regardless of the presence of local drainage systems (threat 7.2.4 and 7.2.5). /	Need to maintain good water quality of stream habitats (7.3.3), Follow BMPs to limit erosion and sedimentation (9.3.2)		