

## Howard County Odonate Dates (2016)

### BROAD-WINGED DAMSELS

05/11 09/21 Ebony Jewelwing (*Calopteryx maculata*)  
 06/05 10/27 American Rubyspot (*Hetaerina americana*)

### SPREADWINGS

07/03 11/13 Great Spreadwing (*Archilestes grandis*)  
 04/12 10/31 Southern Spreadwing (*Lestes australis*)  
 05/31 11/17 Spotted Spreadwing (*Lestes congener*)  
 06/08 08/04 Amber-winged Spreadwing (*Lestes eurinus*)  
 06/18 09/26 Sweetflag Spreadwing (*Lestes forcipatus*)  
 07/09 Elegant Spreadwing (*Lestes inequalis*)  
 05/18 10/17 Slender Spreadwing (*Lestes rectangularis*)  
 06/05 09/04 Swamp Spreadwing (*Lestes vigilax*)

### POND DAMSELS

05/10 08/16 Eastern Red Damsel (*Amphiagrion saucium*)  
 06/01 10/17 Blue-fronted Dancer (*Argia apicalis*)  
 06/01 09/21 Seepage Dancer (*Argia bipunctulata*)  
 04/22 10/08 Violet Dancer (*Argia fumipennis violacea*)  
 05/30 09/26 Powdered Dancer (*Argia moesta*)  
 06/01 09/09 Blue-tipped Dancer (*Argia tibialis*)  
 06/02 09/11 Dusky Dancer (*Argia translata*)  
 05/30 07/09 Aurora Damsel (*Chromagrion conditum*)  
 05/10 10/13 Azure Bluet (*Enallagma aspersum*)  
 05/10 10/17 Double-striped Bluet (*Enallagma basidens*)  
 04/20 11/11 Familiar Bluet (*Enallagma civile*)  
 06/15 07/08 Turquoise Bluet (*Enallagma divagans*)  
 05/17 08/24 Stream Bluet (*Enallagma exsulans*)  
 05/11 10/05 Skimming Bluet (*Enallagma geminatum*)  
 04/02 10/18 Orange Bluet (*Enallagma signatum*)  
 06/02 07/25 Slender Bluet (*Enallagma traviatum*)  
 05/24 09/24 Vesper Bluet (*Enallagma vesperum*)  
 04/15 11/02 Citrine Forktail (*Ischnura hastata*)  
 05/15 09/14 Lilypad Forktail (*Ischnura kellicotti*)  
 04/03 11/07 Fragile Forktail (*Ischnura posita posita*)  
 07/05 08/02 Rambur's Forktail (*Ischnura ramburii*)  
 04/08 10/30 Eastern Forktail (*Ischnura verticalis*)  
 06/14 08/01 Sphagnum Sprite (*Nehalennia gracilis*)  
 08/09 Sedge Sprite (*Nehalennia irene*)

### PETALTAILS

05/30 06/30 Gray Petaltail (*Tachopteryx thoreyi*)

### DARNERS

09/16 10/17 Black-tipped Darner (*Aeshna tuberculifera*)  
 08/12 11/12 Shadow Darner (*Aeshna umbrosa*)  
 03/13 11/11 Common Green Darner (*Anax junius*)  
 05/07 08/30 Comet Darner (*Anax longipes*)  
 04/07 05/23 Springtime Darner (*Basiaeschna janata*)  
 06/15 11/07 Fawn Darner (*Boyeria vinosa*)  
 05/11 11/29 Swamp Darner (*Epiaeschna heros*)  
 05/25 08/19 Cyrano Darner (*Nasiaeschna pentacantha*)

### CLUBTAILS

05/18 07/12 Unicorn Clubtail (*Arigomphus villosipes*)  
 05/28 Eastern Ringtail (*Erpetogomphus designatus*)  
 05/30 09/11 Black-shouldered Spinyleg (*Dromogomphus spinosus*)  
 06/01 07/10 Cobra Clubtail (***Gomphurus vastus***)  
 04/20 07/03 Lancet Clubtail (***Phanogomphus exilis***)  
 04/20 07/13 Ashy Clubtail (***Phanogomphus lividus***)  
 05/25 07/06 Rapids Clubtail (***Phanogomphus quadricolor***)  
 05/31 09/09 Dragonhunter (*Hagenius brevistylus*)

05/23 07/06 Appalachian Snaketail (*Ophiogomphus incurvatus i.*)  
 05/28 08/25 Common Sanddragon (*Progomphus obscurus*)  
 05/28 Sable Clubtail (***Stenogomphus rogersi***)  
 05/25 08/01 Eastern Least Clubtail (*Stylogomphus albistylus*)  
 06/22 07/17 Laura's Clubtail (*Stylurus laurae*)  
 06/25 10/14 Arrow Clubtail (*Stylurus spiniceps*)

### SPIKETAILS

05/28 06/16 Brown Spiketail (*Cordulegaster bilineata*)  
 06/09 08/30 Tiger Spiketail (*Cordulegaster erronea*)  
 04/18 06/12 Twin-spotted Spiketail (*Cordulegaster maculata*)

### CRUISERS

03/26 06/13 Stream Cruiser (*Didymops transversa*)  
 05/25 08/26 Swift River Cruiser (*Macromia illinoiensis*)  
 Includes Illinois River Cruiser (*M. i. illinoiensis*)  
 & Georgia River Cruiser (*M. i. georgina*)

### EMERALDS

05/29 09/03 Prince Baskettail (*Epicordulia/Epitheca princeps*)  
 05/28 06/01 Umber Shadowdragon (*Neurocordulia obsoleta*)  
 06/05 09/01 Mocha Emerald (*Somatochlora linearis*)  
 07/29 10/13 Clamp-tipped Emerald (*Somatochlora tenebrosa*)  
 06/04 06/17 Slender Baskettail (*Tetragoneuria/Epitheca costalis*)  
 04/17 06/30 Common Baskettail (*Tetragoneuria/Epitheca cynosura*)

### SKIMMERS

05/10 10/05 Calico Pennant (*Celithemis elisa*)  
 06/15 10/08 Halloween Pennant (*Celithemis eponina*)  
 06/08 09/09 Banded Pennant (*Celithemis fasciata*)  
 05/11 10/12 Common Pondhawk (*Erythemis simplicicollis*)  
 04/02 06/04 Blue Corporal (*Ladona/Libellula deplanata*)  
 06/01 Golden-winged Skimmer (*Libellula auripennis*)  
 05/30 08/23 Bar-winged Skimmer (*Libellula axilena*)  
 05/14 09/05 Spangled Skimmer (*Libellula cyanea*)  
 07/04 08/12 Yellow-sided Skimmer (*Libellula flavida*)  
 05/23 09/29 Slaty Skimmer (*Libellula incesta*)  
 05/16 10/08 Widow Skimmer (*Libellula luctuosa*)  
 06/30 08/31 Needham's Skimmer (*Libellula needhami*)  
 05/09 10/17 Twelve-spotted Skimmer (*Libellula pulchella*)  
 04/29 08/28 Painted Skimmer (*Libellula semifasciata*)  
 05/13 10/17 Great Blue Skimmer (*Libellula vibrans*)  
 07/09 Hyacinth Glider (*Miathyria marcella*)  
 07/16 07/19 Roseate Skimmer (*Orthemis ferruginea*)  
 05/10 10/13 Blue Dasher (*Pachydiplax longipennis*)  
 05/08 11/06 Wandering Glider (*Pantala flavescens*)  
 05/16 10/07 Spot-winged Glider (*Pantala hymenaea*)  
 05/13 10/08 Eastern Amberwing (*Perithemis tenera*)  
 04/17 10/21 Common Whitetail (*Plathemis/Libellula lydia*)  
 08/18 10/13 Blue-faced Meadowhawk (*Sympetrum ambiguum*)  
 09/15 09/19 Cherry-faced Meadowhawk (*Sympetrum internum*)  
 09/14 09/26 White-faced Meadowhawk (*Sympetrum obtrusum*)  
 06/01 10/30 Ruby Meadowhawk (*Sympetrum rubicundulum*)  
 06/15 10/30 Band-winged Meadowhawk (*Sympetrum semicinctum*)  
 06/05 12/16 Autumn Meadowhawk (*Sympetrum vicinum*)  
 04/19 10/13 Carolina Saddlebags (*Tramea carolina*)  
 05/02 10/22 Black Saddlebags (*Tramea lacerata*)  
 10/02 Red Saddlebags (*Tramea onusta*)

[records 1996 through 2016]

**Clubtail genus in boldface** changed in January 2017

# Odonate Phenograms from Howard County and PWRC

First line: Howard County. Second Line PWRC.

Phenograms from Howard County ) (through 2010) are based on records by Jo & Bob Solem and several others; compiled by Bob Solem  
 Phenograms from Patuxent Wildlife Research Center are taken from the report by Richard L. Orr, *The Dragonflies and Damselflies of Patuxent Wildlife Research Center and Vicinity*, dated March 16, 1996 and continuing research through the current year; only those species that also occur in Howard County are shown here.

Notes from Appendix III of *The Dragonflies and Damselflies of Patuxent Wildlife Research Center and Vicinity*:

"Key Numbers expected to be seen daily at optimal year, location and weather conditions. Based on 1990 to 1995 field observations.

- 0-5 = - = rare to uncommon
- 6-50 = = = common
- 51+ = ≡ = abundant"

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		≡	≡	≡	≡	≡	≡			Calopteryx maculata
		≡	≡	≡	≡	≡	≡			Hetaerina americana

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
				≡		≡	≡	≡		Archilestes grandis
		≡		≡		≡	≡	≡		Lestes congener
	≡	≡	≡	≡	≡	≡	≡			Lestes australis
	≡	≡	≡	≡	≡	≡	≡			Lestes eurinus
		≡	≡	≡	≡	≡	≡			Lestes forcipatus
		≡	≡	≡	≡	≡	≡			Lestes inequalis
		≡	≡	≡	≡	≡	≡			Lestes rectangularis
		≡	≡	≡	≡	≡	≡			Lestes vigilax

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		≡	≡	≡	≡	≡				Amphiagrion saucium
			≡	≡	≡	≡	≡			Argia apicalis
			≡	≡	≡	≡	≡			Argia bipunctulata
	≡	≡	≡	≡	≡	≡	≡			Argia fumipennis violacea
		≡	≡	≡	≡	≡	≡			Argia moesta



MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
						—	—			<i>Aeshna tuberculifera</i>
NOT	AT	PWRC			—	—	—	—		<i>Aeshna umbrosa</i>
						—	—	—		<i>Anax junius</i>
—	—	—	—	—	—	—	—	—		<i>Anax longipes</i>
	—	—	—	—	—					<i>Basiaeschna janata</i>
			—	—	—	—	—	—		<i>Boyeria vinosa</i>
		—	—	—	—	—	—	—		<i>Epiaeschna heros</i>
—	—	—	—	—	—					<i>Nasiaeschna pentacantha</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		—	—	—						<i>Arigomphus villosipes</i>
		—	—	—	—	—				<i>Dromogomphus spinosus</i>
					—					<i>Erpetogomphus designatus</i>
	—	—	—	—						<b>Phanogomphus exilis</b>
	—	—	—	—						<b>Phanogomphus lividus</b>
	—	—	—	—						<b>Phanogomphus quadricolor</b>
NOT	AT	PWRC								<b>Stenogomphus rogersi</b>
			—	—						<b>Gomphurus vastus</b>
NOT	AT	PWRC	—	—	—	—				<i>Hagenius brevistylus</i>
			—	—	—	—				<i>Ophiogomphus i. incurvatus</i>
			—	—	—	—				<i>Progomphus obscurus</i>
			—	—	—	—				<i>Stylogomphus albistylus</i>
			—	—	—	—				<i>Stylurus laurae</i>
			—	—	—	—		—		<i>Stylurus spiniceps</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		—	—							<i>Cordulegaster bilineata</i>
		—	—							<i>Cordulegaster erronea</i>
		—	—							<i>Cordulegaster maculata</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
—	—	—	—							<i>Didymops transversa</i>
		—	—	—	—	—				<i>Macromia illinoiensis</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		—	—	—	—	—				<i>Epicordulia princeps</i>
		—	—	—	—	—				<i>Neurocordulia obsoleta</i>
		—	—	—	—	—				<i>Somatochlora linearis</i>
		—	—	—	—	—	—			<i>Somatochlora tenebrosa</i>
		—	—	—	—	—	—			<i>Tetragoneuria costalis</i>
	—	—	—	—	—	—	—			<i>Tetragoneuria cynosura</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
		—	—	—	—	—	—			<i>Celithemis elisa</i>
		—	—	—	—	—	—			<i>Celithemis eponina</i>
		—	—	—	—	—	—			<i>Celithemis fasciata</i>
		—	—	—	—	—	—			<i>Erythemis simplicicollis</i>
	—	—	—	—	—	—	—			<i>Ladona deplanata</i>
		—	—	—	—	—	—			<i>Libellula auripennis</i>
		—	—	—	—	—	—			<i>Libellula axilena</i>
		—	—	—	—	—	—			<i>Libellula cyanea</i>
		—	—	—	—	—	—			<i>Libellula flavida</i>

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Name
			=====	=====	=====	=====	=====			Libellula incesta
		=====	=====	=====	=====	=====	=====			Libellula luctuosa
		=====	=====	=====	=====	=====	=====			Libellula needhami
			=====	=====	=====	=====	=====			Libellula pulchella
		=====	=====	=====	=====	=====	=====			Libellula semifasciata
		=====	=====	=====	=====	=====	=====			Libellula vibrans
				=====						Miathyria marcella
NOT	AT	PWRC		=====						Orthemis ferruginea
NOT	AT	PWRC								Pachydiplax longipennis
		=====	=====	=====	=====	=====	=====			Pantala flavescens
		=====	=====	=====	=====	=====	=====			Pantala hymenaea
		=====	=====	=====	=====	=====	=====			Perithemis tenera
		=====	=====	=====	=====	=====	=====			Plathemis lydia
		=====	=====	=====	=====	=====	=====			Sympetrum ambiguum
		=====	=====	=====	=====	=====	=====			Sympetrum internum
										Sympetrum obtrusum
		=====	=====	=====	=====	=====	=====			Sympetrum rubicundulum
		=====	=====	=====	=====	=====	=====			Sympetrum semicinctum
		=====	=====	=====	=====	=====	=====	=====	=====	Sympetrum vicinum
	=====	=====	=====	=====	=====	=====	=====			Tamea carolina
	=====	=====	=====	=====	=====	=====	=====			Tamea lacerata
		=====	=====	=====	=====	=====	=====			Tamea onusta