**Butterflies & Host Plants**

**Pipevine Swallowtail (*Battus philenor*)**: Wooly Dutchman's Pipe (*Aristolochia tomentosa*), Virginia Dutchman's Pipe (*Aristolochia serpentaria*), Texas Dutchman's Pipe (*Aristolochia reticulata*), White-Veined Dutchman's Pipe (*Aristolochia fimbriata*

**Black Swallowtail (*Papilio polyxenes*):** Dill (*Anethum graveolens*), fennel (*Foeniculum vulgare*), parsley (*Petroselinum crispum*), celery (*Apium*), carrot (*Daucus*), Queen Anne's Lace (*Daucus carota*), Prairie-parsley (*Polytaenia nuttallii*), Water-Parsnip (*Berula erecta*), Water Hemlock (*Cicuta maculata*), Wild Chervil (*Cryptotaenia canadensis*), Leaf-Less Cowbane (*Oxypolis filiformis*), Mock Bishop's Weed (*Ptilimnium capillaceum*), Water- Parsnip (*Sium suave*), Forked Scaleseed (*Spermolepis divaricata*) and other members of the family Apiaceae. Rue (*Ruta graveolens*) and Dutchman's-Breeches (*Thamnosma texanum*) in the family Rutaceae are utilized.

**Giant Swallowtail (*Papilio cresphontes*):** Prickly-Ash, Hercule's Club (*Zanthoxylum clava-herculis*), Wild Lime (*Zanthoxylum fagara*), Hoptree (*Ptelea trifoliata*), various Citrus, including Lemon (*Citrus limon*), Orange (*Citrus sinensis*), Bitter Orange (*Citrus aurantium*), Pummelo (*Citrus maxima*) and the herb Rue (*Ruta graveolens*).

**Tiger Swallowtail (*Papilio glaucus*):** White Ash (*Fraxinus americana*), Green Ash (*Fraxinus pennsylvanica*), Black Cherry (*Prunus serotina*), Choke-cherry (*Prunus virginiana*), American Plum (*Prunus americana*), Plum (*Prunus domestica*), Carolina Basswood (*Tilia americana*), Birch (*Betula* spp.), Tulip Tree (*Liriodendron tulipifera*), Sassafras (*Sassafras albidum*), Apple (*Malus pumila*), Lilac (*Syringa vulgaris*) and other trees found in the above genera.

**Checkered White (*Pontia protodice*):** Brazos Rockcress (*Arabis petiolaris*), Sicklepod (*Arabis canadensis*), Black Mustard (*Brassica nigra*), Broccoli (*Brassica oleraceae italica*), Brussel Sprouts (*B. o. gemmifera*), Cabbage (*B. o. capitata*), Cauliflower (*B. o. botrytis*), Turnip (*B. rapa*), Pinnate Tansy-Mustard (*Descurainia pinnata*), Flixweed Tansy-Mustard (*D. sophia*), Prairie Pepperweed (*Lepidium densiflorum*), Virginia Pepper-Grass (*L. virginicum*), Radish (*Raphanus sativus*), Tumble Mustard (*Sisymbrium altissimum*), Field Pennycress (*Thlaspi arvense*). Also, Spiderflower (*Cleome* spp.), and Clammyweed (*Polanisia* spp.).

**Orange-Barred Sulphur (*Phoebis philea*):** Bird-of-Paradise (*Caesalpinia gilliesii*), Candlestick Tree (*Senna alata*), Argentine Senna (*Senna corymbosa*), Wild Senna (*Senna marilandica*), and Coffee Senna (*Senna occidentalis*), *Pithecellobium* spp.

**Great Purple Hairstreak (*Atlides halesus*):** Mistletoe (*Phoradendron tomentosum*).

**Banded Hairstreak (*Satyrium calanus*):** Bur Oak (*Quercus macrocarpa*), White Oak (*Q. alba*), Southern Red Oak (*Q. falcata*), Bluejack Oak (*Q. incana*), Shag Bark Hickory (*Carya ovata*), Texas Walnut (*Juglans microcarpa*), Black Walnut (*Juglans nigra*).

**Gray Hairstreak (*Strymon melinus*):** EUPHORBIACEAE: Woolly Croton (*Croton capitatus*), Doveweed (*Croton monanthogynus*), FABACEAE: Southern Hog-Peanut (*Amphicarpaea bracteata*), False Indigo (*Amorpha fruticosa*), Ground Plum (*Astragalus crassicarpus*), Candlestick Tree (*Senna alata*), Tick-Clover (*Desmodium* spp.), Scarlet-Pea (*Indigofera miniata*), Round-Head Bush Clover (*Lespedeza capitata*), Hairy Bush-Clover (*L. hirta*), Texas Bluebonnet (*Lupinus texensis*), Alfalfa (*Medicago sativa*), White Sweet-Clover (*Melilotus albus*), Lima Bean (*Phaseolus limensis*), Garden Bean (*P. vulgaris*), Rattlebush (*Sesbania drummondii*), Multi-Bloom Tephrosia (*Tephrosia onobrychoides*), Rabbit-Clover (*Trifolium arvense*), Crimson Clover (*T. incarnatum*), White Clover (*T. repens*), Vetch (*Vicia* spp.) MALVACEAE: Okra (*Abelmoschus esculentus*), Rose-of-Sharon (*Hibiscus syriacus*), Cotton (*Gossypium hirsutum*), Tall Winecup (*Callirhoe leiocarpa*), Little Mallow (*Malva parviflora*), Common Mallow (*M. neglecta*), Running Mallow (*M. rotundifolia*), Alkali Sida (*Malvella leprosa*), Globe-Mallow (*Sphaeralcea* spp.), POLYGONACEAE: Wild Buckwheat (*Eriogonum* spp.), Willow Smart-weed (*Polygonum lapathifolium*), Dock (*Rumex* spp.), ROSACEAE: Parsley Hawthorn (*Crataegus marshallii*), POACEAE: Corn (*Zea mays*), VERBENACEAE: Lantana (*Lantana* spp.), ZYGOPHYLLACEAE: Soapbush (*Guaiacum angustifolium*).

**Gulf Fritillary (*Agraulis vanillae*):** Maypop (*Passiflora incarnata*), Yellow Passionvine (*Passiflora lutea*), and the more uncommon Bird Wing Passionvine (*Passiflora tenuiloba*), as well as imported passionvines, particularly Blue Passionvine (*Passiflora caerulea*), and to varying degrees Purple Passionvine (*Passiflora incarnata* x "*incense*"), Red Passionvine (*Passiflora foetida*) and many others.

**Theona Checkerspot (*Thessalia theona*):** Texas Sage (*Leucophyllum frutescens*), Ceniza Blanca (*L. texanum*). Certain species of paintbrush (*Castilleja* spp.) in parts of its range, but none of the species in our area have been recorded as hosts.

**Bordered Patch (*Chlosyne lacinia*):** Common Ragweed (*Ambrosia artemisiifolia*), Blood Ragweed (*A. trifida* var. *texana*), Prostrate Lawnflower (*Calyptocarpus vialis*), Boneset (*Eupatorium* spp.), Indian-Blanket (*Gaillardia pulchella*), Common Sunflower (*Helianthus annuus*), Blue-Weed Sunflower (*H. ciliaris*), Maximilian Sunflower (*H. maximiliani*), Jerusalem-Artichoke (*H. tuberosus*), Cucumber-Leaf Sunflower (*H. debilis cucumerifolius*), False Ragweed (*Parthenium hysterophorus*), Awnless Bush-Sunflower (*Simsia calva*), Cowpen Daisy (*Verbesina encelioides*), Frostweed (*V. virginica*), Sunflower Golden-Eye (*Viguiera dentata*), and Cocklebur (*Xanthium strumarium* var. *candense*).

**Crimson Patch (*Chlosyne janais*):** Flame Acanthus (*Anisacanthus quadrifidus* var. *wrightii*). Smallflower Wrightwort (*Carlowrightia parvifolia*) is a recorded host, but is not found in north Texas, but possibly our native Texas Carlowrightia (*Carlowrightia texana*) might also be utilized.

**Silvery Checkerspot (*Chlosyne nycteis*):** Common Sunflower (*Helianthus annuus*), Jerusalem-Artichoke (*H. tuberosus*), Gravel Weed Crownbeard (*Verbesina helianthoides*), Frostweed (*V. virginica*), and Black-Eyed Susan (*Rudbeckia* spp.).

**Question Mark (*Polygonia interrogationis*):** American Elm (*Ulmus americana*), Winged Elm (*Ulmus alata*), Slippery Elm (*Ulmus rubra*), Siberian Elm (*Ulmus pumila*), Chinese Elm (*Ulmus parvifolia*), Cedar Elm (*Ulmus crassifolia*), Common Hackberry (*Celtis occidentalis*), Sugar Hackberry (*Celtis laevigata* var. *reticulata*), Hops (*Humulus lupulus*), False Nettle (*Boehmeria cylindrica*).

**Mourning Cloak (*Nymphalis antiopa*):** Weeping Willow (*Salix babylonica*), Sandbar Willow (*Salix exigua*), Black Willow (*Salix nigra*), White Poplar (*Populus alba*), Cottonwood (*Populus deltoides*), Black Poplar (*Populus nigra*), Alder (*Alnus serrulata*), Ironwood (*Ostrya virginiana*), various Maple (*Acer* spp.), Sugar Hackberry (*Celtis laevigata* var. *reticulata*), Common Hackberry (*Celtis occidentalis*), American Elm (*Ulmus americana*), Siberian Elm (*Ulmus pumila*), Slippery Elm (*Ulmus rubra*), Hops (*Humulus lupulus*), Red Mulberry (*Morus rubra*), White Ash (*Fraxinus americana*), Common Pear (*Pyrus communis*), Carolina Basswood (*Tilia americana*), Sheep Sorrel (*Rumex acetosella*).

**Painted Lady (*Vanessa cardui*):** An incredibly wide range of host plants from many different families. ASTERACEAE: Yarrow (*Achillea millefolium*), Pearly Everlasting (*Anaphalis margaritacea*), Western Sagewort (*Artemisia campestris*), Mexican Sagebrush (*Artemisia ludoviciana*), Musk-Thistle (*Carduus nutans*), Basket-Flower (*Centaurea* spp.), Tall Thistle (*Cirsium altissimum*), Texas Thistle (*Cirsium texanum*), Wavy-Leaf Thistle (*Cirsium undulatum*), Bull Thistle (*Cirsium vulgare*), Common Sunflower (*Helianthus annuus*), Milk-Thistle (*Silybum marianum*). BORAGINACEAE: Borage (*Borago officinalis*), Blueweed (*Echium vulgare*).CHENOPODIACEAE: Beet (*Beta vulgaris*), Lamb's Quarters (*Chenopodium album*).FABACEAE: Soy Bean (*Glycine max*).MALVACEAE: Hollyhock (*Alcea rosea*), Common Mallow (*Malva neglecta*), Little Mallow (*Malva parviflora*), Running Mallow (*Malva rotundifolia*), High Mallow (*Malva sylvestris*), Globe-Mallow (*Sphaeralcea* spp.).PLANTAGINACEAE: English Plantain (*Plantago lanceolata*), Dooryard Plantain (*Plantago major*).URTICACEAE: Nettle (*Urtica* spp.).

**Common Buckeye (*Junonia coenia*):** ACANTHACEAE: Snake-herb (*Dyschoriste linearis*), Violet Ruellia (*Ruellia nudiflora*), PLANTAGINACEAE: English Plantain (*Plantago lanceolata*), Pale-Seed Plantain (*P. virginica*), Buck-Horn Plantain (*P. coronopus*), Dooryard Plantain (*P. major*), Common Plantain (*P. rugelii*), Cedar Plantain (*P. helleri*), Tallow-Weed (*P. hookeriana*);

SCROPHULARIACEAE: Beach Gerardia (*Agalinis fasciculata*), Flat-Flower Gerardia (*Agalinis homalantha*), Slender Gerardia (*Agalinis tenuifolia*), False Foxglove (*Aureolaria grandifloria*), American Bluehearts (*Buchnera americana*), Texas Paintbrush (*Castilleja indivisa*), Prairie Indian Paintbrush (*Castilleja purpurea*), Butter and Eggs (*Linaria vulgaris*); Snapdragon Vine (*Maurandya antirrhiniflora*), Toad-Flax (*Nuttallanthus canadensis*), VERBENACEAE: Common Frogfruit (*Lippia nodiflora*), Lance-Leaf Frogfruit (*Lippia lanceolata*), Brazilian Verbena (*Verbena bonariensis*).

**White Peacock (Anartia jatrophae):** ACANTHACEAE: Water-Willow (*Justica* spp.), Wild Petunia (*Ruellia* spp.). LAMIACEAE: Peppermint (*Mentha* X *piperita*). SCROPHULARIACEAE: Coastal Water-Hyssop (*Bacopa monieri*). VERBENACEAE: Lemon Verbena (*Aloysia triphylla*), Frogfruit (*Lippia* spp.), and at least "New Gold Lantana" (*Lantana* spp.).

**Red-Spotted Purple (*Limenitis arthemis astyanax*):** White Poplar (*Populus alba*), Cottonwood (*Populus deltoides*), Black Poplar (*Populus nigra*), Weeping Willow (*Salix babylonica*), Black Willow (*Salix nigra*), Black Cherry (*Prunus serotina*), Apple (*Malus pumila*), Common Pear (*Pyrus communis*), and Willow Oak (*Quercus phellos*), Carolina Basswood (*Tilia americana*).

**Viceroy (*Limenitis archippus*):** Sandbar Willow (*Salix exigua*), Black Willow (*Salix nigra*), Coastal Plain Willow (*Salix caroliniana*), White Poplar (*Populus alba*), Cottonwood (*Populus deltoides*), Black Poplar (*Populus nigra*), Black Cherry (*Prunus serotina*).

**Red Satyr (*Megisto rubricata*):** Bermuda grass (*Cynodon dactylon*), St. Augustine grass (*Stenotaphrum secundatum*) and no doubt others.

**Monarch (*Danaus plexippus*):** Blunt-Leaf Milkweed (*Asclepias amplexicaulis*), Antelope-Horns (*A. asperula*), Tropical Milkweed (*A. curassavica*), Engelmann'sMilkweed (*A. engelmanniana*), Swamp Milkweed (*A. incarnata*), Slim Milkweed (*A. linearis*), Side-Cluster Milkweed (*A. oenotheroides*),Slim-Leaf Milkweed (*A. stenophylla*), Butterfly-Weed (*A. tuberosa*), White-Flower Milkweed (*A. variegata*), Whorled Milkweed (*A.verticillata*), Wand Milkweed (*A. viridiflora*), Green Milkweed (*A. viridis*), Sandvine (*Cynanchum laeve*), Green Milkweedvine (*Matelea reticulata*).

**Queen (*Danaus gilippus*):** Blunt-Leaf Milkweed (*Asclepias amplexicaulis*), Antelope-Horns (*A. asperula*), Tropical Milkweed (*A. curassavica*), Slim Milkweed (*A. linearis*), ButterflyWeed (*A. tuberosa*), Green Milkweed (*A. viridis*), and probably other of our native Asclepias spp. Also, Climbing-Milkweed (*Sarcostemma cynanchoides*) and probably others.

**Soldier** (*Danaus eresimus*): Tropical Milkweed (*Asclepias curassavica*), Talayote (*Cynanchum racemosum*), and possibly Pinkroot (*Spigelia* spp.).

**Juvenal's Duskywing (*Erynnis juvenalis*):** White Oak (*Quercus alba*), Black Oak (*Quercus velutina*), Bur Oak (*Quercus macrocarpa*), Post Oak (*Quercus stellata*), Blackjack Oak (*Quercus marilandica*), Water Oak (*Quercus nigra*).

**Horace's Duskywing (*Erynnis horatius*):** Plateau Live Oak (*Quercus fusiformis*), Blackjack Oak (*Q. marilandica*), Water Oak (*Q. nigra*), Willow Oak (*Q. phellos*), Post Oak (*Q. stellata*), Live Oak (*Q. virginiana*), Texas Red Oak (*Q. buckleyi*), Chinqapin Oak (*Q. muehlenbergii*), Shumard's Oak (*Q.shumardii*), Black Oak (*Q. velutina*), Southern Red Oak (*Q. falcata*).

**Clouded Skipper (*Lerema accius*):** St. Augustine (*Stenotaphrum secundatum*), Corn (*Zea mays*), Thin Paspalum (*Paspalum setaceum* var. *ciliatifolium*), Buffel Grass (*Pennisetum ciliare*), Witch Grass (*Panicum capillare*), and Johnson Grass (*Sorghum halepense*).

**Yucca Giant Skipper (*Megathymus yuccae*):** Arkansas Yucca (*Yucca arkansana*), Buckley's Yucca (*Y. constricta*), Glen Rose Yucca (*Y. necopina*), Pale Yucca (*Y. pallida*), Texas Yucca (*Y. rupicola*), Torrey's Yucca (Y. torreyi), Trecul's Yucca (*Y. treculeana*).