

NPAT MONITORING FORM

Name of Property Owner: George Russell

Location: 30.841830, -95.245272 (NAD83); east of the intersection of FM 980 and FM 135 and 20369 Bay Hill Dr. Huntville, TX 77320

Mailing Address of Property Owner: 1401 19th Street, Huntsville, TX 77340

Acreage: 630 ac. and 201 ac.

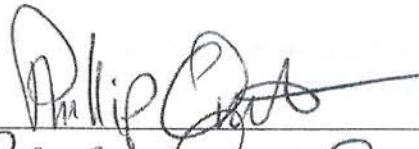
CHECKLIST

1. Documents consulted prior to visit: 2013 Monitoring Report
2. Property owner notified of visit/date: Yes, 12/10/14
3. New aerial photos taken: No, 2012 NAIP imagery used; See Attachment A – Property Map
4. New photos taken: See Attachment B – Photo Point Photographs, Attachment C – Additional Photographs
5. Prominent prairie plants seen: See Attachment D – Flora List; No additions made to the list
6. Exotic plants seen-estimate of total coverage: See attachment D – Vegetation Species List for exotic species noted during the 2013 monitoring visit.
7. Note any woody invasion: See attachment D – Vegetation Species List for exotic species noted during the 2013 monitoring visit.
8. RDM (Residual Dry Matter-indicator of soil erosion): varies depending on location
9. Note previous annual weather conditions with recommendations: Draught conditions persisted during 2014; Continue removal of understory of wooded areas and removal of trees from grassland areas.
10. Note changes to management of property-including: programs, cutting-height-time-frequency of cut, grazing (location-frequency-numbers-type of animals), fertilizers or chemicals added, irrigation, fire, hunting, etc.: No trespassing signs

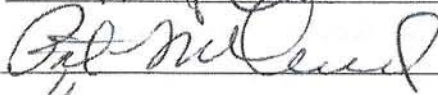
installed in 2014 at all access points to the different tracts of property (see Attachment C – Additional Photographs)

11. Note encroachments to easement of any kind-including: fixtures, buildings, roads, and use: No encroachments noted during visit or during discussion with Mr. Russell.
12. Recommendations for management: Continue removal of understory of wooded areas and removal of trees from open grassland areas using fire and mechanical means.
13. Actions taken on visit: none
14. Note whether property owner accompanied the visit and/or nature of interaction with property owner or other parties: Mr. Russell accompanied Phillip Quast on the visit to the Russell Preserve
15. Map attached outlining observations/points: See Attachment A – Property Map

Signed by Monitor-including date

 12/18/15

Signed by Executive Director

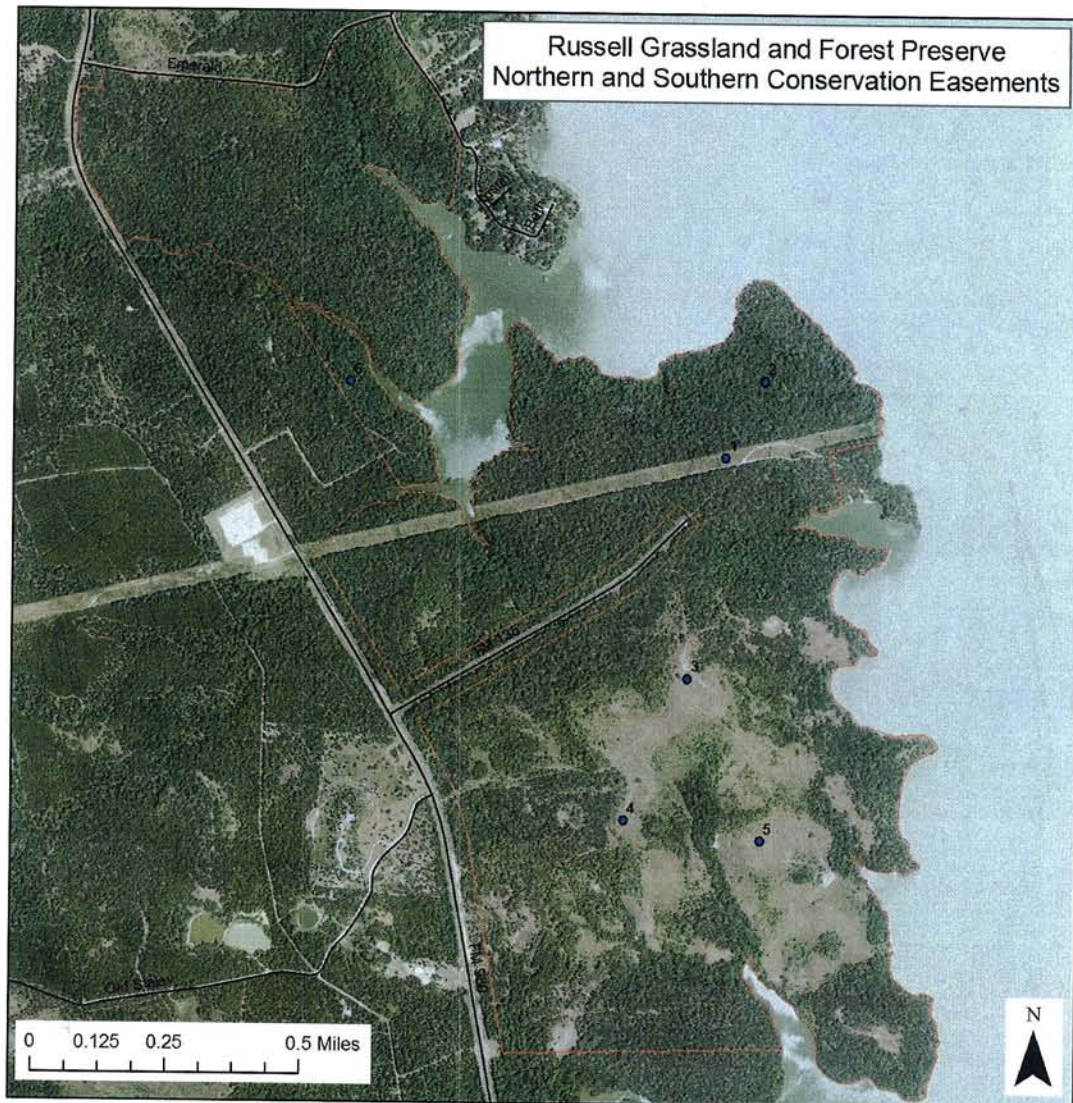
 12/18/15

Signed by Board Member



Attachment A – Property Map
Attachment B - Photo Point Photographs
Attachment C – Additional Photographs
Attachment D – Flora List

Attachment A – Property Map



NativePrairies
Association of Texas
415 N Guadalupe Street PMB 395
San Marcos, TX 78666

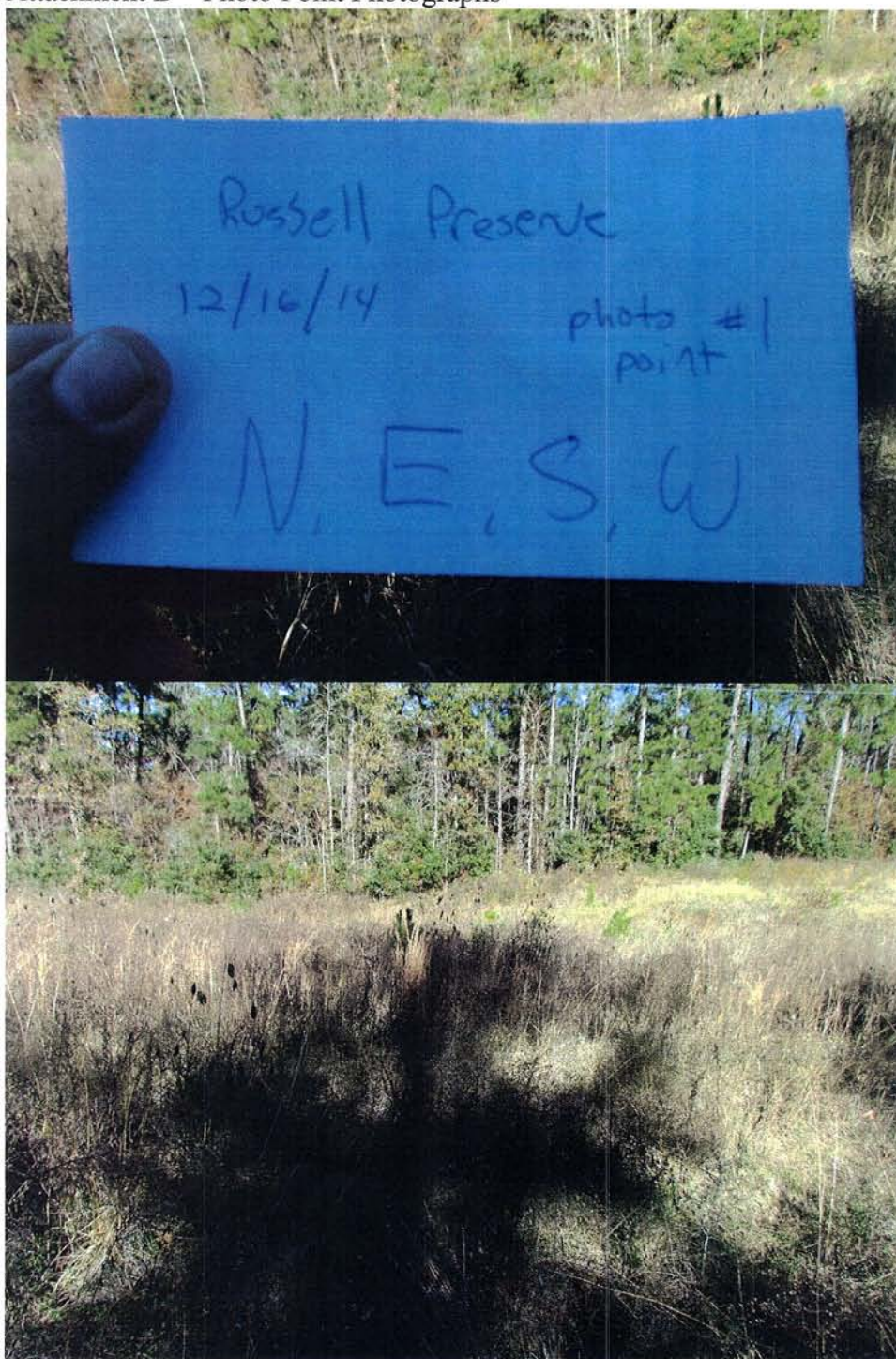
Legend

- Photo Points
- Roadways
- Conservation Easement Boundary

Native Prairies Association of Texas, 2015
For Reference Only
Data: TNRIS, TxDOT

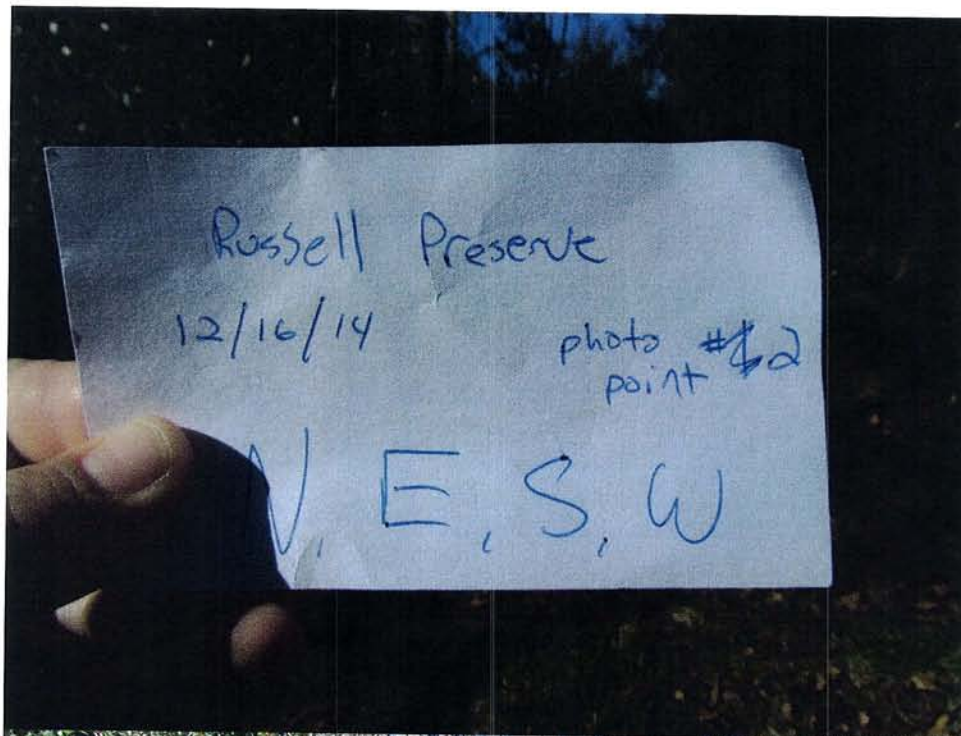


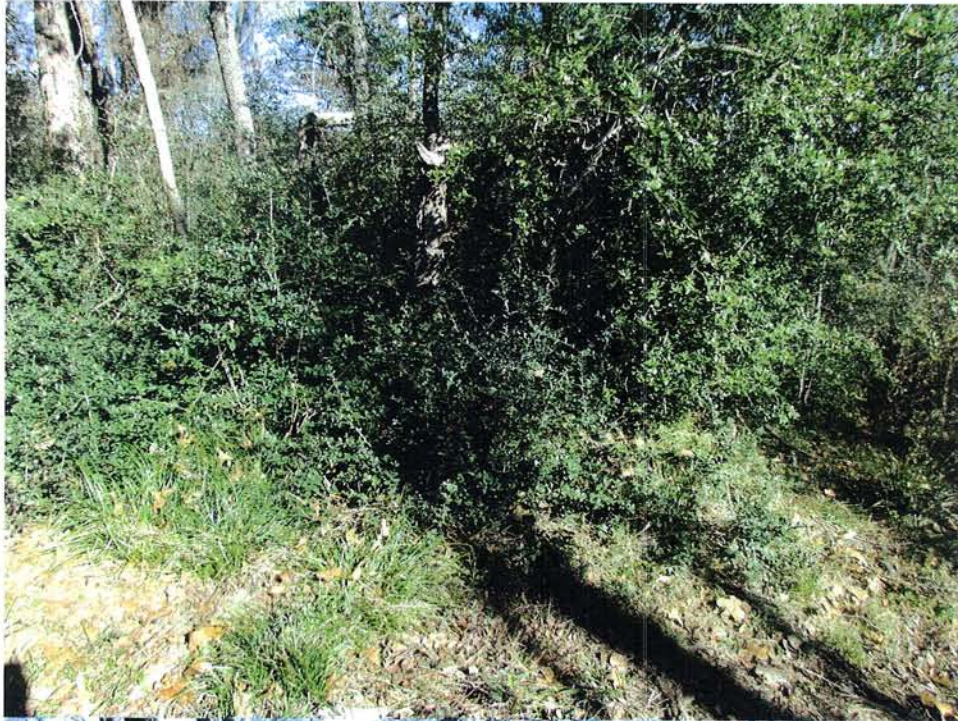
Attachment B – Photo Point Photographs



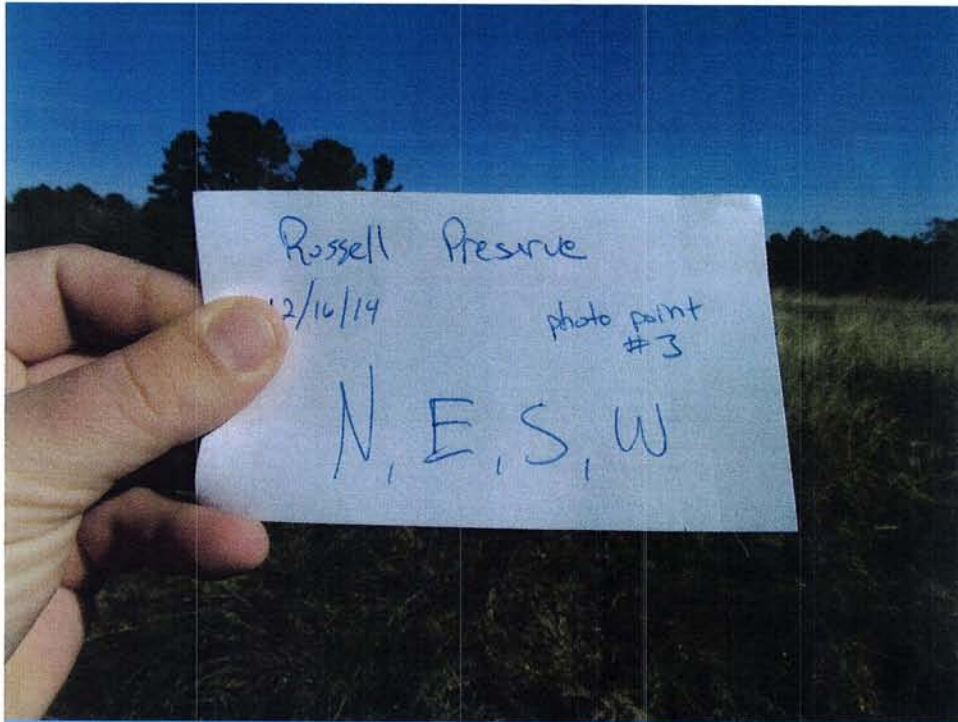






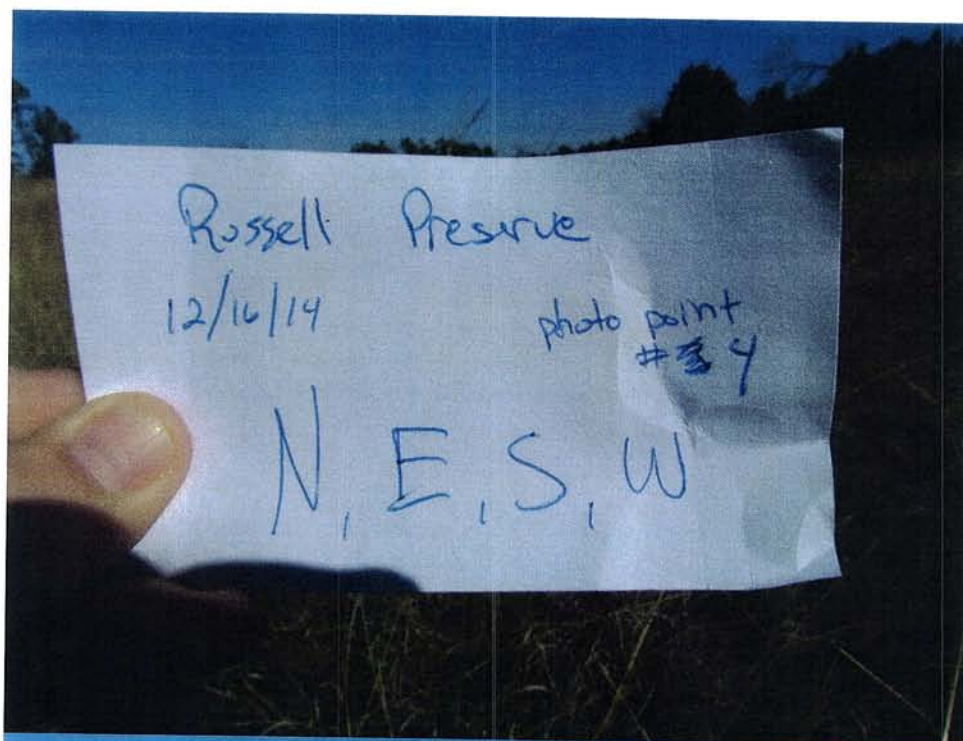










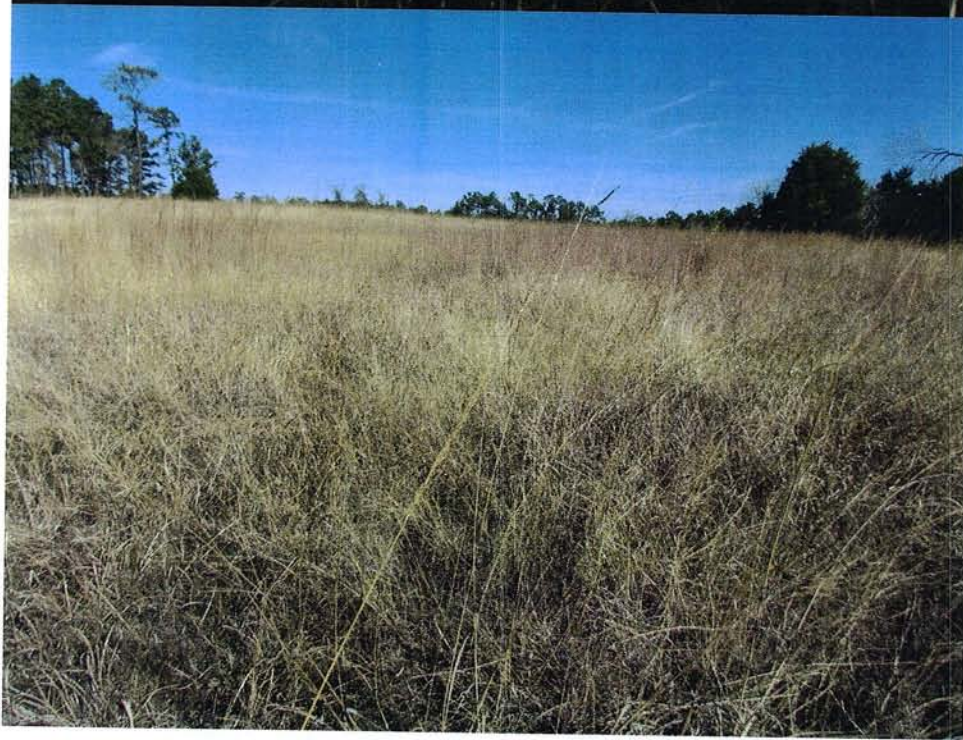


Russell Preserve

12/16/14

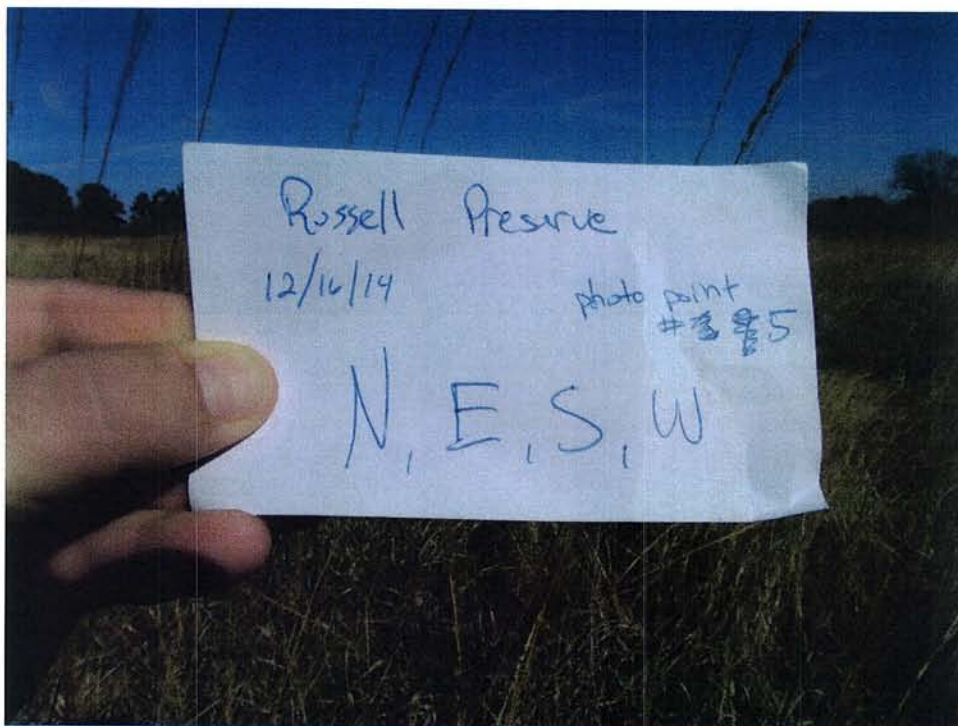
photo point
#34

N, E, S, W



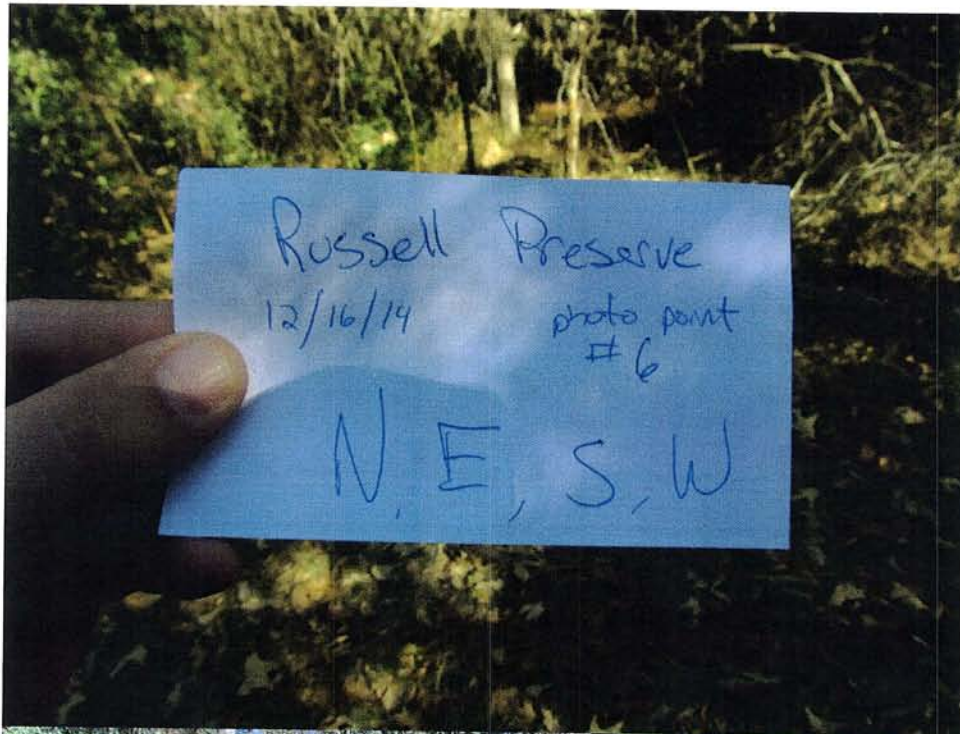






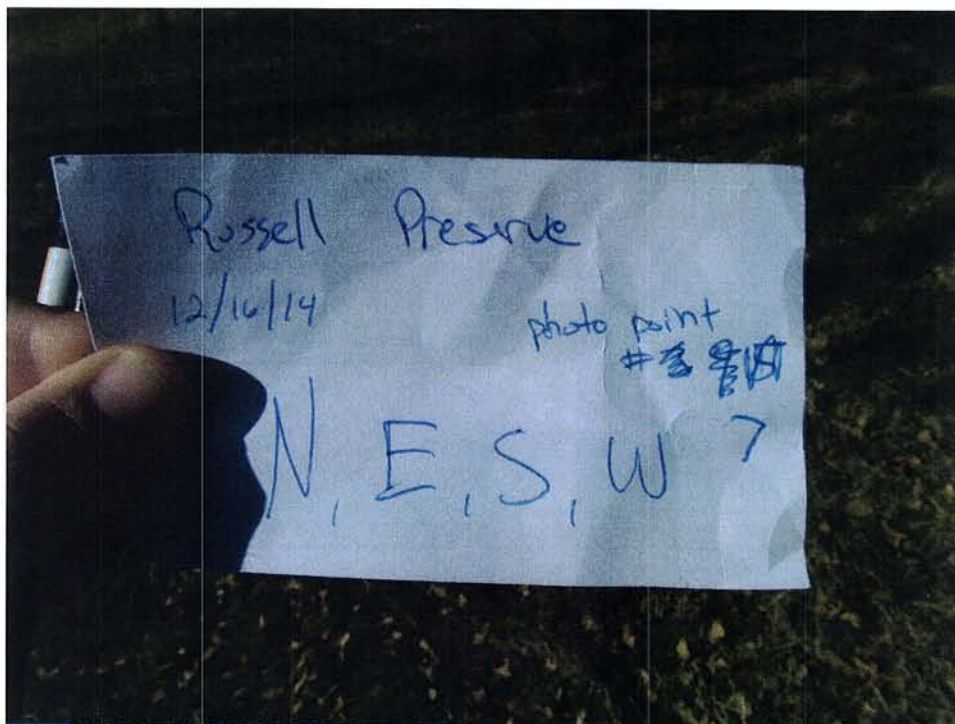
















Attachment C – Additional Photographs



Attachment D – Flora List

Family	Botanic name	Abundance	G rank	S rank	Botanist	Notes
Acanthaceae	Hygrophila lacustris	Occasional			K	
Acanthaceae	Justicia ovata	Uncommon			K	
Acanthaceae	Ruellia humilis	Common			K&S	
Acanthaceae	Ruellia nudiflora	Uncommon			K	
Acanthaceae	Ruellia pedunculata	Occasional			K	
Aceraceae	Acer rubrum	Occasional			K	
Aceraceae	Acer saccharum subsp. floridanum				S	
Agavaceae	Manfreda virginica				S	
Aiozeae	Molluga verticillata	Occasional			K	
Alismataceae	Echinodorus cordifolius	Occasional			K	
Alismataceae	Sagittaria papillosa	Rare			K	
Alismataceae	Sagittaria platyphylla	Uncommon			K	
Alliaceae	Allium canadense var. canadense	Occasional			K	
Alliaceae	Allium canadense var. mobile	Occasional			K	
Amaranthaceae	Alternanthera philoxeroides	Common			K	
Amaryllidaceae	Hymenocallis lirioides	Uncommon			K	
Anacardiaceae	Rhus aromatica	Uncommon			K	
Anacardiaceae	Rhus copallinum	Occasional			K&S	
Anacardiaceae	Toxicodendron radicans	Frequent			K&S	
Apiaceae	Bifora americana	Common			K	
Apiaceae	Centella erecta	Uncommon			K	
Apiaceae	Chaerophyllum tainturieri	Uncommon			K	
Apiaceae	Cicuta maculata	Uncommon			K	
Apiaceae	Cynosciadium digitatum	Uncommon			K	
Apiaceae	Daucus pusillus				S	
Apiaceae	Hydrocotyle verticillata	Occasional			K	
Apiaceae	Limnoscium pinnatum				S	
Apiaceae	Polytaenia nuttallii	Frequent			K&S	

Apiaceae	<i>Ptilimnium nuttallii</i>	Common			K	
Apiaceae	<i>Spermolepis echinata</i>				S	
Apiaceae	<i>Spermolepis inermis</i>	Common			K	
Apiaceae	<i>Torilis arvensis</i>	Occasional			K	
Apocynaceae	<i>Apocynum cannabinum</i>	Occasional			K&S	
Aquifoliaceae	<i>Ilex americana</i>	Common			K	
Aquifoliaceae	<i>Ilex decidua</i>	Common			K&S	
Aquifoliaceae	<i>Ilex vomitoria</i>	Abundant			K&S	
Araceae	<i>Arisaema dracontium</i>	Rare			K	
Araceae	<i>Arisaema triphyllum</i>	Rare			K	
Araceae	<i>Colcasia esculenta</i>	Uncommon			K	
Araceae	<i>Pistia stratiotes</i>	Uncommon			K	
Araliaceae	<i>Aralia spinosa</i>	Occasional			K	
Areaceae	<i>Sabal minor</i>	Common			K&S	
Asclepiadaceae	<i>Asclepias asperula</i>				S	
Asclepiadaceae	<i>Asclepias obovata</i>				S	
Asclepiadaceae	<i>Asclepias tuberosa</i>	Occasional			K	
Asclepiadaceae	<i>Asclepias viridiflora</i>	Uncommon			K&S	
Asclepiadaceae	<i>Asclepias viridis</i>	Common			K&S	
Asclepiadaceae	<i>Matelea decipiens</i>	Uncommon			K	
Asclepiadaceae	<i>Matelea gonocarpa</i>	Uncommon			K	
Aspleniaceae	<i>Asplenium platyneuron</i>	Common			K	
Asteraceae	<i>Ambrosia artemisiifolia</i>				S	
Asteraceae	<i>Ambrosia psilostachya</i>	Common			K	
Asteraceae	<i>Ambrosia trifida</i>	Common			K	
Asteraceae	<i>Arnoglossum plantagineum</i>				S	
Asteraceae	<i>Aster drummondii</i>	Abundant			K	
Asteraceae	<i>Aster ericoides (Keith 43)</i>	Uncommon			K	
Asteraceae	<i>Aster paludosus</i>	Rare			K	
Asteraceae	<i>Aster patens</i>	Common			K	
Asteraceae	<i>Aster subulatus</i>	Uncommon			K	
Asteraceae	<i>Baccharis halimifolia</i>	Occasional			K&S	

Asteraceae	Berlandiera pumila	Uncommon			K&S
Asteraceae	Bidens bipinnata	Occasional			K
Asteraceae	Bigelovia nuttallii	Uncommon			K&S
Asteraceae	Boltonia diffusa	Common			K
Asteraceae	Brickellia eupatorioides	Uncommon			K&S
Asteraceae	Cacalia plantaginea	Common			K
Asteraceae	Chaetopappa asteroides (Keith 39)	Uncommon			K
Asteraceae	Chrysopsis pilosa	Uncommon			K
Asteraceae	Chrysopsis texana	Uncommon			K
Asteraceae	Cirsium carolinianum	Rare			K
Asteraceae	Cirsium horridulum	Uncommon			K
Asteraceae	Cirsium texanum				S
Asteraceae	Conyza canadensis	Uncommon			K
Asteraceae	Coreopsis basalis	Uncommon			K
Asteraceae	Coreopsis lanceolata	Uncommon			K
Asteraceae	Croptilon divaricata	Uncommon			K
Asteraceae	Dracopsis amplexicaulis	Uncommon			K
Asteraceae	Echinacea atrorubens				S
Asteraceae	Echinacea pallida	Uncommon			K
Asteraceae	Echinacea sanguinea	Occasional			K
Asteraceae	Eclipta prostrata	Occasional			K
Asteraceae	Elephantopus carolinianus	Uncommon			K
Asteraceae	Elephantopus nudatus	Occasional			K
Asteraceae	Elephantopus tomentosus	Occasional			K
Asteraceae	Englemannia peristenia	Uncommon			K&S
Asteraceae	Erigeron strigosus	Occasional			K&S
Asteraceae	Erigeron tenuis	Occasional			K
Asteraceae	Eupatorium capillifolium	Uncommon			K&S
Asteraceae	Eupatorium coelestinum	Common			K
Asteraceae	Eupatorium semiserratum	Occasional			K
Asteraceae	Eupatorium serotinum	Occasional			K&S
Asteraceae	Euthamia leptocephala	Occasional			K&S

Asteraceae	<i>Evax candida</i>	Occasional				K	
Asteraceae	<i>Facelis retusa</i>	Uncommon				K	
Asteraceae	<i>Gaillardia aestivalis</i> var. <i>flavovirens</i>					S	
Asteraceae	<i>Gaillardia pulchella</i>	Uncommon				K	
Asteraceae	<i>Grindelia lanceolata</i>	Uncommon				K&S	
Asteraceae	<i>Gutierrezia dranunculoides</i>	Occasional				K	
Asteraceae	<i>Helenium amarum</i>	Occasional				K	
Asteraceae	<i>Helenium flexuosum</i>	Occasional				K	
Asteraceae	<i>Helianthus hirsutus</i>	Common				K	
Asteraceae	<i>Helianthus maximiliani</i>	Common				K&S	
Asteraceae	<i>Hieracium gronovii</i>	Occasional				K	
Asteraceae	<i>Hymenopappus artemisiifolius</i>	Uncommon				K	
Asteraceae	<i>Iva angustifolia</i>	Common				K	
Asteraceae	<i>Iva annua</i>	Common				K&S	
Asteraceae	<i>Krigia caespitosa</i>	Common				K	
Asteraceae	<i>Krigia dandelion</i>	Occasional				K	
Asteraceae	<i>Krigia occidentalis</i>	Common				K	
Asteraceae	<i>Krigia wrightii</i>	Uncommon				K	
Asteraceae	<i>Liatris aspera</i>	Occasional				K	
Asteraceae	<i>Liatris cymosa</i>	Occasional	G2	S2		K	Very rare endemic restricted to Catahoula outcrops
Asteraceae	<i>Liatris elegans</i>	Uncommon				K	
Asteraceae	<i>Liatris mucronata</i>	Common				K&S	
Asteraceae	<i>Liatris pycnostachya</i>	Uncommon				K	
Asteraceae	<i>Liatris squarrosa</i>	Uncommon				K	
Asteraceae	<i>Lindheimera texana</i>					S	
Asteraceae	<i>Mikania scandens</i>	Uncommon				K	
Asteraceae	<i>Packera obovata</i>	Common				K	
Asteraceae	<i>Palafoxia callosa</i>	Common				K	
Asteraceae	<i>Pityopsis graminifolia</i>	Occasional				K	
Asteraceae	<i>Pluchea camphorata</i>	Uncommon				K	
Asteraceae	<i>Pluchea odorata</i>	Common				K	

Asteraceae	<i>Pseudognaphalium obtusifolium</i>	Uncommon			K	
Asteraceae	<i>Pyrrhopappus carolinianus</i>	Uncommon			K&S	
Asteraceae	<i>Rudbeckia hirta</i>	Common			K&S	
Asteraceae	<i>Rudbeckia maxima</i>	Frequent			K	
Asteraceae	<i>Rudbeckia missouriensis</i>	Uncommon			K	
Asteraceae	<i>Solidago altissima</i>				S	
Asteraceae	<i>Solidago canadensis</i>	Common			K	
Asteraceae	<i>Solidago radula</i>	Uncommon			K	
Asteraceae	<i>Solidago ulmifolia</i>	Common			K	
Asteraceae	<i>Soliva pterosperma</i>	Occasional			K	
Asteraceae	<i>Symphotrichum lateriflorum</i>	Common			K&S	
Asteraceae	<i>Symphotrichum oolentangiense</i>	Rare			K&S	
Asteraceae	<i>Symphotrichum praealtum</i> var. <i>praealtum</i>	Uncommon			K&S	
Asteraceae	<i>Tetaneuris linearifolia</i>	Common	G5	S5	K	Easternmost distribution in Texas
Asteraceae	<i>Verbesina virginica</i>	Common			K&S	
Asteraceae	<i>Vernonia baldwiniana</i>	Uncommon			K	
Asteraceae	<i>Vernonia texana</i>	Uncommon			K	
Asteraceae	<i>Youngia japonica</i>	Occasional			K	
Azollaceae	<i>Azolla caroliniana</i>	Occasional			K	
Berberidiaceae	<i>Nandina domestica</i>	Uncommon			K	
Berberidiaceae	<i>Podophyllum peltatum</i>	Uncommon			K	
Betulaceae	<i>Carpinus caroliniana</i>	Common			K	
Betulaceae	<i>Ostrya virginiana</i>	Common			K	
Bignoniaceae	<i>Bignonia capreolata</i>	Occasional			K&S	
Bignoniaceae	<i>Campsis radicans</i>	Frequent			K&S	
Bignoniaceae	<i>Catalpa bignonioides</i>	Uncommon			K	
Boraginaceae	<i>Heliotropium indica</i>	Uncommon			K	
Boraginaceae	<i>Heliotropium procumbens</i> (Keith 22)	Rare			K	
Boraginaceae	<i>Heliotropium tenellum</i>	Uncommon			K&S	
Boraginaceae	<i>Lithospermum incisum</i>	Uncommon			K	
Boraginaceae	<i>Myosotis macrosperma</i>	Common			K	

Boraginaceae	Onosmodium bejarriense					S	
Brassicaceae	Cardamine parviflora	Uncommon				K	
Brassicaceae	Lepidium virginicum	Common				K	
Brassicaceae	Sibara virginica	Rare				K	
Bromeliaceae	Tillandsia recurvata	Rare				K	
Bromeliaceae	Tillandsia usneoides	Common				K	
Cactaceae	Opuntia humifusa	Uncommon				K	
Callitrichaceae	Callitriche heterophylla	Uncommon				K	
Callitrichaceae	Callitriche nuttallii	Rare				K	
Callitrichaceae	Callitriche peploides	Uncommon				K	
Callitrichaceae	Callitriche terrestris	Uncommon				K	
Campanulaceae	Triodanis biflora	Common				K	
Caprifoliaceae	Lonicera japonica	Uncommon				K&S	
Caprifoliaceae	Lonicera sempervirens	Occasional				K	
Caprifoliaceae	Sambucus canadensis	Frequent				K	
Caprifoliaceae	Symphiocarpos orbiculatus	Uncommon				K&S	
Caprifoliaceae	Viburnum rufidulum	Common				K&S	
Caryophyllaceae	Cerastium glomeratum	Uncommon				K	
Caryophyllaceae	Minuartia muscorum (Keith 126)	Occasional				K	
Caryophyllaceae	Minuartia patula	Rare				K	
Caryophyllaceae	Paronychia virginica	Uncommon	G4	S5		K	Easternmost distribution in Texas
Caryophyllaceae	Silene antirrhina	Rare				K	
Caryophyllaceae	Spergularia salina	Rare				K	
Caryophyllaceae	Stellaria media	Frequent				K	
Chenopodiaceae	Chenopodium ambrosioides	Uncommon				K	
Cistaceae	Helianthemum carolinianum	Common				K	
Cistaceae	Lechea san-sabeana (Keith 150)	Uncommon	G4	S4		K	Uncommon endemic in Texas associated with Catahoula formation
Cistaceae	Lechea tenuifolia	Occasional				K	
Clusiaceae	Hypericum drummondii	Uncommon				K	

Clusiaceae	Hypericum hypericoides	Common				K	
Commelinaceae	Commelina diffusa	Rare				K	
Commelinaceae	Commelina erecta	Occasional				K	
Commelinaceae	Commelina virginica	Common				K	
Commelinaceae	Tradescantia hirsutiflora	Common				K	
Commelinaceae	Tradescantia ohioensis	Uncommon				K	
Convolvulaceae	Cuscuta cuspidata					S	
Convolvulaceae	Dichondra carolinense	Common				K	
Convolvulaceae	Evolvulus sericeus					S	
Convolvulaceae	Ipomoea cordatotriloba	Uncommon				K	
Convolvulaceae	Ipomoea wrightii (Keith 37)	Rare	G4	S5		K	Easternmost distribution in Texas
Convolvulaceae	Stylisma humistrata	Frequent				K	
Cornaceae	Cornus drummondii	Common				K&S	
Cornaceae	Cornus florida	Frequent				K&S	
Crassulaceae	Crassula aquatica (Keith 91)	Uncommon				K	
Crassulaceae	Sedum nuttallianum (Keith 151)	Uncommon	G4	S5		K&S	Easternmost distribution in Texas
Cucurbitaceae	Melothria pendula	Occasional				K	
Cupressaceae	Juniperus virginiana	Frequent				K&S	
Cyperaceae	Bulbostylis ciliatifolia var. ciliatifolia (Keith 40)	Uncommon				K	
Cyperaceae	Carex albicans	Common				K	
Cyperaceae	Carex annectans	Uncommon				K	
Cyperaceae	Carex bulbostylis (Keith 118)	Uncommon				K	
Cyperaceae	Carex bushii	Common				K	
Cyperaceae	Carex caroliniana (Keith 120)	Uncommon				K	
Cyperaceae	Carex cherokeensis	Common				K&S	
Cyperaceae	Carex complanata	Common				K	
Cyperaceae	Carex crinita	Rare				K	
Cyperaceae	Carex crus-corvi	Uncommon				K	
Cyperaceae	Carex decomposita (Keith 158)	Rare	G3	S1		K	Very rare sedge known from only 2 other localities in Texas

Cyperaceae	Carex flaccosperma	Occasional				K	
Cyperaceae	Carex frankii	Uncommon				K	
Cyperaceae	Carex hyalinolepis (Keith 154)	Rare				K	
Cyperaceae	Carex leavenworthii	Common				K	
Cyperaceae	Carex lupulina	Uncommon				K	
Cyperaceae	Carex meadii (Keith 149)	Rare				K	
Cyperaceae	Carex microdonta	Occasional	G4	S4	K&S	Restricted to blackland prairies	
Cyperaceae	Carex oxylepis (Keith 117)	Uncommon			K		
Cyperaceae	Carex reniformis	Occasional			K		
Cyperaceae	Carex reniformis (Keith 157)	Rare			K		
Cyperaceae	Carex striatula (Keith 119)	Uncommon			K		
Cyperaceae	Carex texensis (Keith 116)	Occasional			K		
Cyperaceae	Carex triangularis	Occasional			K		
Cyperaceae	Carex tribuloides (Keith 152)	Uncommon			K		
Cyperaceae	Cyperus compressus (Keith 38)	Rare			K		
Cyperaceae	Cyperus erythrorhizos (Keith 262)	Occasional			K		
Cyperaceae	Cyperus haspan (Keith 262)	Common			K		
Cyperaceae	Cyperus odoratus	Common			K		
Cyperaceae	Cyperus pseudovegetus	Common			K		
Cyperaceae	Cyperus reflexus (Keith 19)	Rare			K		
Cyperaceae	Cyperus retroflexus	Common			K		
Cyperaceae	Cyperus retrosus	Common			K		
Cyperaceae	Cyperus squarrosus	Occasional			K		
Cyperaceae	Cyperus strigosus	Uncommon			K		
Cyperaceae	Cyperus virens	Common			K		
Cyperaceae	Eleocharis montevidensis	Frequent			K		
Cyperaceae	Eleocharis montevidensis (Keith 125)	Common			K		
Cyperaceae	Fimbristylis autumnalis (Keith 258)	Common			K		
Cyperaceae	Fimbristylis puberla	Occasional			K		
Cyperaceae	Fuirena simplex var. aristulata (BRIT)	Rare			K		
Cyperaceae	Fuirena simplex var. simplex (Keith 37))	Rare			K		
Cyperaceae	Isolepis carinata	Common			K		

Cyperaceae	Isolepis molesta (Keith 121)	Uncommon			K	
Cyperaceae	Rhynchospora caduca	Occasional			K	
Cyperaceae	Rhynchospora corniculata	Occasional			K	
Cyperaceae	Rhynchospora elliottii	Occasional			K	
Cyperaceae	Rhynchospora globularis	Frequent			K&S	
Cyperaceae	Rhynchospora inexpansa	Uncommon			K	
Cyperaceae	Scleria oligantha	Frequent			K	
Cyperaceae	Scleria pauciflora	Rare			K&S	
Cyperaceae	Scleria triglomerata				S	
Dennstaedtiaceae	Pteridium aquilinum	Frequent			K	
Dioscoreaceae	Dioscorea villosa	Uncommon			K	
Droseraceae	Drosera annua	Rare			K	
Dryopteridaceae	Cyrtomium falcatum (Keith 3)	Rare			K	
Dryopteridaceae	Onoclea sensibilis	Uncommon			K	
Dryopteridaceae	Polystichum acrostichoides	Occasional			K	
Ebenaceae	Diospyros virginiana	Frequent			K&S	
Elaeagnaceae	Elaeagnus pungens	Rare			K	
Equisetaceae	Equisetum hyemale	Uncommon			K	
Ericaceae	Vaccinium arboreum	Uncommon			K	
Ericaceae	Vaccinium reticulatum	Uncommon			K	
Euphorbiaceae	Acalypha gracilens	Uncommon			K	
Euphorbiaceae	Chamaesyce cordifolia	Occasional			K	
Euphorbiaceae	Chamaesyce maculata	Uncommon			K	
Euphorbiaceae	Chamaesyce nutans	Common			K	
Euphorbiaceae	Cnidoscolus texanus	Uncommon			K	
Euphorbiaceae	Croton capitatus	Frequent			K	
Euphorbiaceae	Croton glandulosus	Frequent			K	
Euphorbiaceae	Croton michauxii	Uncommon			K	
Euphorbiaceae	Croton monanthogynus	Abundant			K&S	
Euphorbiaceae	Euphorbia bicolor	Common			K&S	
Euphorbiaceae	Euphorbia corollata	Common			K	
Euphorbiaceae	Euphorbia dentata	Common			K	

Euphorbiaceae	Euphorbia marginata				S	
Euphorbiaceae	Euphorbia spathulata	Uncommon			K&S	
Euphorbiaceae	Stylingia sylvatica	Occasional			K	
Euphorbiaceae	Tragia urens	Occasional			K	
Euphorbiaceae	Tragia urticifolia	Uncommon			K&S	
Fabaceae	Acacia hirta	Uncommon			K	
Fabaceae	Albizia julibrissin	Uncommon			K	
Fabaceae	Apios americana	Occasional			K	
Fabaceae	Astalagus distortus	Occasional			K	
Fabaceae	Astragalus crassicaupus				S	
Fabaceae	Astragalus distortus var. engelmannii				S	
Fabaceae	Baptisia bracteata	Common			K	
Fabaceae	Baptisia nuttalliana	Uncommon			K	
Fabaceae	Cassia fasciculata	Occasional			K	
Fabaceae	Centrosema virginiana	Occasional			K	
Fabaceae	Cercis canadensis	Uncommon			K&S	
Fabaceae	Chamaecrista fasciculata				S	
Fabaceae	Clitoria mariana	Occasional			K	
Fabaceae	Dalea compacta	Occasional			K&S	
Fabaceae	Dalea multiflora	Uncommon			K	
Fabaceae	Dalea purpurea				S	
Fabaceae	Desmanthus illinoensis	Uncommon			K&S	
Fabaceae	Desmodium glutinosum	Occasional			K	
Fabaceae	Desmodium nudiflorum	Uncommon			K	
Fabaceae	Desmodium obtusum	Rare			K	
Fabaceae	Desmodium paniculatum	Common			K	
Fabaceae	Erythrina herbacea	Uncommon			K	
Fabaceae	Galactia volubilis	Uncommon			K&S	
Fabaceae	Gleditsia aquatica	Occasional			K	
Fabaceae	Gleditsia triacanthos	Occasional			K&S	
Fabaceae	Indigofera miniata	Occasional			K&S	
Fabaceae	Indigofera suffruticosa	Rare			K	

Fabaceae	Kummerowia stipulacea	Uncommon			K	
Fabaceae	Kummerowia striata	Occasional			K	
Fabaceae	Lathyrus pusillus	Occasional			K	
Fabaceae	Lespedeza hirta	Occasional			K	
Fabaceae	Lespedeza procumbens	Occasional			K	
Fabaceae	Lespedeza repens	Uncommon			K	
Fabaceae	Lespedeza virginica	Uncommon			K	
Fabaceae	Mimosa latidens	Common			K	
Fabaceae	Mimosa nuttallii	Common			K	
Fabaceae	Mimosa strigillosa	Common			K	
Fabaceae	Neptunia lutea	Occasional			K&S	
Fabaceae	Prosopis glandulosa	Rare			K	
Fabaceae	Rhynchosia latifolia	Common			K&S	
Fabaceae	Rhynchosia minima				S	
Fabaceae	Sesbania drummondii	Occasional			K	
Fabaceae	Sesbania vesicaria	Uncommon			K&S	
Fabaceae	Strophostyles helvola	Uncommon			K	
Fabaceae	Strophostyles leiosperma				S	
Fabaceae	Strophostyles umbellata	Common			K	
Fabaceae	Tephrosia onobrychoides	Uncommon			K	
Fabaceae	Trifolium campestre	Common			K	
Fabaceae	Trifolium carolinianum	Uncommon			K	
Fabaceae	Trifolium dubium	Common			K	
Fabaceae	Trifolium repens	Uncommon			K	
Fabaceae	Vicia ludoviciana	Common			K	
Fabaceae	Vicia sativa	Common			K	
Fagaceae	Quercus alba	Occasional			K	
Fagaceae	Quercus falcata	Uncommon			K	
Fagaceae	Quercus lyrata	Common			K	
Fagaceae	Quercus nigra	Uncommon			K&S	
Fagaceae	Quercus pagoda	Frequent			K	
Fagaceae	Quercus phellos	Common			K	

Fagaceae	Quercus shumardii		Occasional			K&S	
Fagaceae	Quercus stellata		Abundant			K&S	
Fagaceae	Quercus velutina					S	
Gentianaceae	Eustoma exaltatum					S	
Gentianaceae	Sabatia campestris		Common			K&S	
Geraniaceae	Geranium carolinianum		Common			K	
Haloragaceae	Myriophyllum aquaticum		Uncommon			K	
Haloragaceae	Proserpinaca palustris		Occasional			K	
Hamamelidaceae	Liquidambar styraciflua		Abundant			K&S	
Hippocastanaceae	Aesculus pavia		Uncommon			K	
Hydrocharitaceae	Limnium spongia (Keith 198)		Uncommon			K	
Hydrophyllaceae	Hydrolea ovata		Uncommon			K	
Hydrophyllaceae	Nemophila microcalyx (Keith 92)		Uncommon			K	
Hydrophyllaceae	Nemophila phacelioides (Keith 131)		Uncommon			K	
Iridaceae	Herbertia lahue		Rare			K	
Iridaceae	Hypoxis hirsuta (Keith 123)		Common			K	
Iridaceae	Sisyrinchium angustifolium		Common			K	
Iridaceae	Sisyrinchium langoisii (Keith 134)		Occasional			K	
Iridaceae	Sisyrinchium minus (Keith 127)		Rare			K	
Iridaceae	Sisyrinchium sagittiferum		Occasional			K	
Juglandaceae	Carya aquatica		Uncommon			K	
Juglandaceae	Carya illinoensis		Occasional			K	
Juglandaceae	Carya texana		Uncommon			K	
Juglandaceae	Carya tomentosa		Common			K	
Juglandaceae	Juglans nigra		Occasional			K	
Juncaceae	Juncus acuminatus		Uncommon			K	
Juncaceae	Juncus brachycarpus		Common			K	
Juncaceae	Juncus dichotoma		Occasional			K	
Juncaceae	Juncus diffusissimus		Uncommon			K	
Juncaceae	Juncus effusus		Common			K	
Juncaceae	Juncus marginatus		Common			K	
Juncaceae	Juncus tenuis		Common			K	

Juncaceae	<i>Juncus torreyi</i>	Rare						
Juncaceae	<i>Juncus validus</i>	Rare				K		Easternmost distribution in Texas
Juncaceae	<i>Luzula bulbosa</i>	Common				K		
Krameriaceae	<i>Krameria lanceolata</i>	Uncommon				K&S		
Lamiaceae	<i>Hedeoma hispidum</i>					S		
Lamiaceae	<i>Lycopus rubellus</i>	Uncommon				K		
Lamiaceae	<i>Monarda citriodora</i>	Occasional				K&S		
Lamiaceae	<i>Monarda fistulosa</i>	Uncommon				K&S		
Lamiaceae	<i>Monarda punctata</i>	Common				K		
Lamiaceae	<i>Perilla frutescens</i>	Uncommon				K		
Lamiaceae	<i>Physostegia digitalis</i>	Uncommon				K		
Lamiaceae	<i>Prunella vulgaris</i>	Common				K&S		
Lamiaceae	<i>Salvia azurea</i>	Common				K&S		
Lamiaceae	<i>Salvia lyrata</i>	Common				K&S		
Lamiaceae	<i>Scutellaria drummondii</i> (Keith 197)	Uncommon				K&S		
Lamiaceae	<i>Scutellaria elliptica</i>	Common				K		
Lamiaceae	<i>Scutellaria ovata</i>	Uncommon				K		
Lamiaceae	<i>Scutellaria parvula</i>					S		
Lamiaceae	<i>Stachys crenata</i>	Occasional				K		
Lamiaceae	<i>Teucrium canadense</i>	Uncommon				K		
Lauraceae	<i>Sassafras albidum</i>	Common				K		
Lemnaceae	<i>Lemna aequinoctialis</i>	Common				K		
Lemnaceae	<i>Lemna minuta</i>	Common				K		
Lemnaceae	<i>Lemna obscura</i>	Common				K		
Lemnaceae	<i>Lemna valdiviana</i>	Uncommon				K		
Lemnaceae	<i>Spirodela polyrrhiza</i>	Uncommon				K		
Lemnaceae	<i>Wolffia columbiana</i>	Common				K		
Lemnaceae	<i>Wolffia globosa</i>	Common				K		
Liliaceae	<i>Narcissus jonquilla</i>	Occasional				K		
Liliaceae	<i>Allium drummondii</i> (Keith 96, 124)	Uncommon				K		
Liliaceae	<i>Cooperia drummondii</i>	Uncommon				K		

Liliaceae	Crinum americanum	Rare					
Liliaceae	Habranthus tubispathus	Uncommon				K	
Liliaceae	Nothoscordum bivalve	Abundant				K	
							Rare species usually associated with rock outcroppings with Catahoula geology
Liliaceae	Schoenolirion wrightii (Keith 129)	Uncommon	G3	S2	K		
Liliaceae	Yucca louisianensis	Uncommon				K&S	
Linaceae	Linum medium var. texanum	Uncommon				K&S	
Linaceae	Linum rigidum var. berlandieri	Uncommon				K	
Loganiaceae	Gelsemium sempervirens	Abundant				K	
Loganiaceae	Mitreola petiolata	Uncommon				K	
Loganiaceae	Polypremum procumbens	Common				K	
Lythraceae	Lagerstroemia indica	Uncommon				K	
Magnoliaceae	Magnolia grandiflora	Occasional				K	
Malvaceae	Callirhoe papaver	Occasional				K&S	
Malvaceae	Hibiscus laevis	Common				K	
Malvaceae	Hibiscus moscheutos	Common				K	
Malvaceae	Malvaviscus drummondii	Occasional				K&S	
Malvaceae	Modiola caroliniana	Common				K	
Malvaceae	Sida rhombifolia	Common				K	
Marsileaceae	Marsilea vestitata	Rare				K	
Meliaceae	Melia azedarach	Uncommon				K	
Menispermaceae	Cocculus caroliniana	Frequent				K&S	
Menyanthaceae	Nymphaeoides aquatica	Common				K	
Moraceae	Maclura pomifera	Uncommon				K	
Moraceae	Morus rubra	Common				K	
Myricaceae	Myrica cerifera	Uncommon				K&S	
Nyssaceae	Nyssa sylvatica	Uncommon				K	
Oleaceae	Chionanthus virginica	Occasional				K	
Oleaceae	Foresteria ligustrina	Uncommon				K&S	
Oleaceae	Forestiera pubescens					S	
Oleaceae	Fraxinus americana	Common				K&S	

Oleaceae	Fraxinus pennsylvanica	Common			K
Onagraceae	Gaura angustifolia				S
Onagraceae	Gaura brachycarpa (Keith 133)	Uncommon			K
Onagraceae	Gaura longiflora	Uncommon			K
Onagraceae	Ludwigia alternifolia	Uncommon			K
Onagraceae	Ludwigia peploides	Common			K
Onagraceae	Oenothera laciniata	Common			K
Onagraceae	Oenothera linifolia	Occasional			K
Onagraceae	Oenothera speciosa	Frequent			K&S
Onagraceae	Stenosiphon linifolius (?)				S
Ophioglossaceae	Ophioglossum crotalophoroides	Uncommon			K
Ophioglossaceae	Ophioglossum nudicaule	Rare			K
Orchidaceae	Spiranthes cernua	Common			K
Orchidaceae	Spiranthes lacera	Rare			K
Orchidaceae	Spiranthes vernalis	Occasional			K
Osmundaceae	Osmunda regalis	Uncommon			K
Oxalidaceae	Oxalis dilleni	Frequent			K
Oxalidaceae	Oxalis pricea	Uncommon			K
Oxalidaceae	Oxalis violacea	Uncommon			K
Passifloraceae	Passiflora incarnata	Uncommon			K&S
Passifloraceae	Passiflora lutea	Uncommon			K
Phytolaccaceae	Phytolacca americana	Common			K
Pinaceae	Pinus echinata	Common			K
Pinaceae	Pinus palustris	Occasional			K
Pinaceae	Pinus taeda	Abundant			K&S
Plantaginaceae	Plantago aristata	Occasional			K
Plantaginaceae	Plantago heterophylla	Rare			K
Plantaginaceae	Plantago patagonica	Occasional			K
Plantaginaceae	Plantago virginica	Frequent			K&S
Platanaceae	Platanus occidentalis	Occasional			K
Poaceae	Agrostis elliottiana	Uncommon			K
Poaceae	Andropogon gerardii	Occasional			K

Poaceae	Andropogon glomeratus	Common			K&S	
Poaceae	Andropogon ternarius	Uncommon			K	
Poaceae	Andropogon virginicus	Common			K&S	
Poaceae	Aristida longespica	Occasional			K&S	
Poaceae	Aristida oligantha	Abundant			K	
Poaceae	Aristida purpurascens var. virgata	Occasional			K	
Poaceae	Arundinaria gigantea	Occasional			K	
Poaceae	Bothriochloa ischaemum	Frequent			K&S	
Poaceae	Bothriochloa laguroides	Common			K	
Poaceae	Bothriochloa sacharoides				S	
Poaceae	Bouteloua curtipendula (BRIT)	Occasional			K&S	
Poaceae	Bouteloua hirsuta (BRIT)	Occasional			K&S	
Poaceae	Bouteloua rigidiseta (Keith 27)	Uncommon			K	
Poaceae	Briza minor	Common			K	
Poaceae	Bromus catharticus				S	
Poaceae	Bromus japonicus	Occasional			K	
Poaceae	Bromus pubescens (Keith 114)	Rare			K&S	
Poaceae	Cenchrus incertus	Uncommon			K	
Poaceae	Chasmanthium latifolium	Common			K	
Poaceae	Chasmanthium laxum	Occasional			K&S	
Poaceae	Chasmanthium sessiliflorum	Common			K	
Poaceae	Digitaria ciliaris	Common			K	
Poaceae	Elymus virginicus	Common			K	
Poaceae	Eragrostis intermedia	Uncommon			K	
Poaceae	Eragrostis spectabilis	Occasional			K	
Poaceae	Hordeum pusillum	Common			K	
Poaceae	Leersia oryzoides	Occasional			K	
Poaceae	Leersia virginica	Uncommon			K	
Poaceae	Leptochloa filiformis	Occasional			K	
Poaceae	Melica mutica	Occasional			K	
Poaceae	Muhlenbergia capillaris	Common			K&S	
Poaceae	Nassella leucotricha	Occasional			K	

Poaceae	Oplimenus hirtellus	Occasional			K	
Poaceae	Panicum acuminatum	Uncommon			K	
Poaceae	Panicum anceps	Frequent			K&S	
Poaceae	Panicum boscii	Uncommon			K	
Poaceae	Panicum brachyanthum	Occasional			K	
Poaceae	Panicum commutatum	Common			K	
Poaceae	Panicum depauperatum (V)	Uncommon			K	
Poaceae	Panicum dichotomiflorum	Uncommon			K	
Poaceae	Panicum dichotomum	Common			K	
Poaceae	Panicum gymnocarpon	Occasional			K	
Poaceae	Panicum hemitomum	Frequent			K	
Poaceae	Panicum hians	Occasional			K	
Poaceae	Panicum laxiflorum	Common			K	
Poaceae	Panicum oligosanthos	Uncommon			K&S	
Poaceae	Panicum rigidulum	Frequent			K	
Poaceae	Panicum sphaerocarpon	Common			K	
Poaceae	Paspalum dilatatum	Uncommon			K	
Poaceae	Paspalum distichum	Occasional			K	
Poaceae	Paspalum floridanum	Common			K&S	
Poaceae	Paspalum langei	Common			K	
Poaceae	Paspalum notatum	Common			K	
Poaceae	Paspalum plicatum	Common			K&S	
Poaceae	Paspalum setaceum	Common			K&S	
Poaceae	Paspalum urvillei	Common			K	
Poaceae	Phalaris caroliniana	Uncommon			K	
Poaceae	Piptochaetium avenaceum				S	
Poaceae	Poa annua	Frequent			K	
Poaceae	Poa autumnalis (Keith 132)	Uncommon			K	
Poaceae	Saccharum strictus	Uncommon			K	
Poaceae	Schizachyrium scoparium	Uncommon			K&S	
Poaceae	Setaria geniculata				S	
Poaceae	Setaria parviflora (Keith 196)	Frequent			K&S	

Poaceae	Sorghastrum nutans	Frequent				K&S	
Poaceae	Sorghum halapense	Frequent				K	
Poaceae	Sphenopholis obtusata (Keith 115)	Uncommon				K	
Poaceae	Sporobolus indicus	Frequent				K	
Poaceae	Sporobolus macer	Occasional				K	
Poaceae	Sporobolus ozarkanus (Keith 20)	Occasional				K	
Poaceae	Stenotaphrum secundatum	Occasional				K	
Poaceae	Stipa avenacea	Common				K	
Poaceae	Tridens flavus	Frequent				K&S	
Poaceae	Tripasacum dactyloides	Common				K	
Poaceae	Vulpia myuros	Common				K	
Poaceae	Vulpia octoflora	Common				K	
Poaceae	Zizaniopsis miliacea	Occasional				K	
Polemoniaceae	Phlox pilosa	Common				K	
Polygalaceae	Polygala verticillata var. verticillata					S	
Polygonaceae	Eriogonum longifolium (Keith 50)	Rare				K	
Polygonaceae	Polygonum hydropiperoides	Occasional				K	
Polygonaceae	Polygonum punctatum	Uncommon				K	
Polygonaceae	Rumex crispus	Uncommon				K	
Polygonaceae	Rumex pulcher	Uncommon				K	
Polypodiaceae	Pleopeltis polypodioides	Uncommon				K	
Pontederiaceae	Eichornia crassipes	Abundant				K	
Portulacaceae	Phemeranthus parviflorus					S	
Portulacaceae	Portulaca pilosa	Rare				K	
Portulacaceae	Talinum parviflorum (Keith s.n.)	Uncommon				K	
Portulacaceae	Portulaca oleracea	Rare				K	
Primulaceae	Anagallis arvensis	Common				K	
Primulaceae	Anagallis minima	Uncommon				K	
Primulaceae	Samolus valerandi	Uncommon				K	
Pteridaceae	Cheilanthes alabamensis	Rare	G5	S5	K		Easternmost distribution in Texa

Pteridaceae	Cheilanthes tomentosa	Rare	G5	S5	K	Easternmost distribution in Texa
Ranunculaceae	Anenome berlandieri	Frequent			K	
Ranunculaceae	Delphinium carolinianum ssp. vimineum	Rare			K&S	
Ranunculaceae	Ranunculus fascicularis	Occasional			K	
Rhamnaceae	Berchemia scandens	Frequent			K&S	
Rhamnaceae	Rhamnus caroliniana	Frequent			K&S	
Rosaceae	Agrimonia rostellata	Rare			K	
Rosaceae	Crataegus brachyacantha	Uncommon			K	
Rosaceae	Crataegus brazoria	Uncommon			K	
Rosaceae	Crataegus crus-gallii	Uncommon			K&S	
Rosaceae	Crataegus marshallii	Uncommon			K&S	
Rosaceae	Crataegus spathulata	Common			K	
Rosaceae	Crataegus viridis	Occasional			K	
Rosaceae	Geum canadense	Occasional			K	
Rosaceae	Prunus mexicana	Occasional			K&S	
Rosaceae	Prunus angustifolia	Occasional			K	
Rosaceae	Rubus louisianus	Uncommon			K	
Rosaceae	Rubus trivialis	Common			K&S	
Rubiaceae	Diodia teres	Common			K	
Rubiaceae	Diodia virginiana	Common			K	
Rubiaceae	Galium aparine	Common			K	
Rubiaceae	Galium circaezans	Uncommon			K	
Rubiaceae	Galium pilosa	Common			K	
Rubiaceae	Galium tinctorium	Occasional			K	
Rubiaceae	Galium uniflorum	Uncommon			K	
Rubiaceae	Galium virgatum	Uncommon			K&S	
Rubiaceae	Houstonia micrantha	Uncommon			K	
Rubiaceae	Houstonia pusilla	Common			K	
Rubiaceae	Houstonia rosea	Uncommon			K	
Rubiaceae	Mitchella repens	Common			K	
Rubiaceae	Sherardia arvensis	Common			K	

Rubiaceae	<i>Stenaria nigricans</i> var. <i>nigricans</i>	Occasional				K&S	
Rutaceae	<i>Zanthoxylum clava-herculis</i>	Uncommon				K&S	
Salicaceae	<i>Populus deltoides</i>	Uncommon				K&S	
Salicaceae	<i>Salix nigra</i>	Common				K	
Sapindaceae	<i>Cardiospermum halicacabum</i>	Uncommon				K	
Sapindaceae	<i>Sapindus saponaria</i> var. <i>drummondii</i>	Rare				K	
Sapotaceae	<i>Sideroxylon lanuginosum</i>	Frequent				K&S	
Saururaceae	<i>Saururus cernuus</i>	Occasional				K	
Saxifragaceae	<i>Lepuropetalon spathulatum</i>	Uncommon				K	
Saxifragaceae	<i>Saxifraga texana</i>	Uncommon				K	
Schizaeaceae	<i>Lygodium japonicum</i>	Occasional				K	
Scrophulariaceae	<i>Agalinis heterophylla</i>	Occasional				K	
Scrophulariaceae	<i>Bacopa monnieri</i>	Rare				K	
Scrophulariaceae	<i>Castilleja indivisa</i>	Common				K	
Scrophulariaceae	<i>Gratiola flava</i>	Uncommon	G4	S3			Rare species associated with Catahoula formation
Scrophulariaceae	<i>Nuttallanthus texana</i>	Common				K	
Scrophulariaceae	<i>Pedicularis canadensis</i>	Rare				K	
Scrophulariaceae	<i>Penstemon cobaea</i>	Rare	G5	S5		K&S	Easternmost distribution in Texa
Scrophulariaceae	<i>Penstemon laxiflorus</i>	Uncommon				K	
Scrophulariaceae	<i>Veronica arvensis</i>	Occasional				K&S	
Scrophulariaceae	<i>Veronica peregrina</i>	Uncommon				K	
Asteraceae	<i>Silphium gracile</i>					S	
Smilacaceae	<i>Smilax bona-nox</i>	Frequent				K&S	
Smilacaceae	<i>Smilax glauca</i>	Common				K	
Smilacaceae	<i>Smilax rotundifolia</i>	Uncommon				K&S	
Smilacaceae	<i>Smilax smallii</i>	Uncommon				K	
Smilacaceae	<i>Smilax laurifolia</i>	Uncommon				K	
Smilacaceae	<i>Smilax tamnifolia</i>	Uncommon				K	
Solanaceae	<i>Physalis cinerascens</i>	Uncommon				K	
Solanaceae	<i>Solanum carolinense</i>	Abundant				K	

Symplocaceae	Symplocos tinctoria	Common			K	
Taxodiaceae	Taxodium distichum	Uncommon			K	
Thelypteridaceae	Thelypteris kunthii	Occasional			K	
Typhaceae	Typha domingensis	Uncommon			K	
Ulmaceae	Celtis laevigata	Frequent			K&S	
Ulmaceae	Ulmus alata	Frequent			K&S	
Ulmaceae	Ulmus crassifolia	Occasional			K	
Ulmaceae	Ulmus rubra	Uncommon			K	
Urticaceae	Boehmeria cylindrica	Common			K	
Urticaceae	Parietaria pennsylvanica var. obtusa	Rare			K	
Valerianaceae	Valerianella radiata	Common			K	
Verbenaceae	Callicarpa americana	Frequent			K&S	
Verbenaceae	Glandularia bipinnatifida				S	
Verbenaceae	Phyla lanceolata	Common			K	
Verbenaceae	Phyla nodiflora	Common			K	
Verbenaceae	Verbena brasiliensis	Uncommon			K	
Verbenaceae	Verbena halei	Common			K&S	
Verbenaceae	Verbena simplex				S	
Verbenaceae	Verbena xutha	Common			K	
			G5	S5		Westernmost distribution in Texas
Violaceae	Viola pedata	Rare			K	
Violaceae	Viola sagittata	Uncommon			K	
Violaceae	Viola sororia	Common			K	
Vitaceae	Ampelopsis arborea	Common			K&S	
Vitaceae	Cissus incisa	Uncommon			K	
Vitaceae	Parthenocissus quinquefolia	Frequent			K&S	
Vitaceae	Vitis aestivalis	Uncommon			K&S	
Vitaceae	Vitis mustangensis	Uncommon			K&S	
Vitaceae	Vitis rotundifolia var. rotundifolia	Uncommon			K&S	
Woodsiaceae	Woodsia obtusa (Keith 93)	Uncommon			K	