

## Vegetation at Cheyenne Bottoms, Kansas

Plants of Cheyenne Bottoms, Kansas Adapted from Aschenbach & Kindscher (2006)		Spring cover		Fall cover	
Species name	Common name	Salt-affected	Non-saline	Salt-affected	Non-saline
<i>Agropyron smithii</i>	Western wheatgrass	20.4%	67.8%	15.6%	67.5%
<i>Alopecurus carolinianus</i>	Carolina foxtail	<1.0%	0.0%	0.0%	0.0%
<i>Ambrosia psilostachya</i>	Western ragweed	0.0%	2.0%	<1.0%	1.5%
<i>Aster ericoides</i>	Heath aster	<1.0%	<1.0%	<1.0%	<1.0%
<i>Aster subulatus</i>	Saltmarsh aster	<1.0%	<1.0%	1.0%	1.0%
<i>Buchloe dactyloides</i>	Buffalograss	<1.0%	20.0%	<1.0%	14.5%
<i>Coreopsis tinctoria</i>	Plains coreopsis	<1.0%	<1.0%	1.4%	0.0%
<i>Distichlis spicata</i>	Saltgrass	29.8%	22.8%	44.2%	22.8%
<i>Eleocharis xyridiformis</i>	Spikerush	2.0%	7.0%	<1.0%	16.0%
<i>Eriochloa contracta</i>	Prairie cupgrass	0.0%	0.0%	<1.0%	0.0%
<i>Euphorbia geyeri</i>	Sandmat	0.0%	0.0%	7.0%	0.0%
<i>Hordeum pusillum</i>	Little barley	1.0%	<1.0%	<1.0%	<1.0%
<i>Iva annua</i>	Marsh elder	3.6%	<1.0%	4.0%	<1.0%
<i>Lepidium densiflorum</i>	Peppergrass	<1.0%	0.0%	0.0%	0.0%
<i>Plantago elongata</i>	Slender plantain	<1.0%	0.0%	0.0%	0.0%
<i>Poa arida</i>	Slender plantain	5.8%	5.8%	6.2%	1.3%
<i>Polygonum ramosissimum</i>	Bush knotweed	0.0%	<1.0%	1.2%	<1.0%
<i>Portulaca oleracea</i>	Purslane	0.0%	0.0%	<1.0%	0.0%
<i>Schedonnardus paniculatus</i>	Tumblegrass	0.0%	0.0%	<1.0%	0.0%
<i>Sporobolus airoides</i>	Alkali sacaton	42.6%	0.0%	43.8%	0.0%

Vegetation on salt-affected and non-saline soils at Cheyenne Bottoms, Kansas. Adapted from Aschenbach and Kindscher (2006, table 2).

Vegetation at Nature Conservancy marsh, Cheyenne Bottoms, Kansas Adapted from Aber et al. (2006, Table 1).	
Gramineae (grass family)	<i>Eragrostis reptans</i> (Michx.) Nees <i>Diplachne fascicularis</i> (Lamark) Gray. <i>Phalaris angustata</i> Nees ex Trin. <i>Hordeum jubatum</i> L. <i>Echinochloa crusgallii</i> (L.) Beauv.
Cyperaceae (sedge family)	<i>Scirpus validus</i> Vahl. <i>Cyperus acuminatus</i> Torr. <i>Eleocharis obtusa</i> (Willd.) Schultes
Typhaceae (cattail family)	<i>Typha latifolia</i> L.
Alismaceae (water plantain family)	<i>Echinodorus rostratus</i> (Nutt.) Engelm. <i>Sagittaria latifolia</i> Willd.
Polygonaceae (buckwheat family)	<i>Polygonum bicorne</i> Raf. <i>Polygonum lapathifolium</i> L. <i>Rumex</i> sp.
Chenopodiaceae (goosefoot family)	<i>Chenopodium berlandieri</i> Moq. <i>Chenopodium glaucum</i> L.
Amaranthaceae (amaranth family)	<i>Amaranthus album</i> L.
Euphorbiaceae (spurge family)	<i>Euphorbia serpens</i> (Humboldt, Bonpland&Kunth)
Malvaceae (mallow family)	<i>Abutilon theophrasti</i> Medic.
Boraginaceae (borage family)	<i>Heliotropium curassavicum</i> L.
Verbenaceae (verbena family)	<i>Phyla lanceolata</i> (Michx.) Greene
Solanaceae (nightshade family)	<i>Solanum americanum</i> Mill. <i>Physalis heterophylla</i> Ness.
Compositae (composite family)	<i>Cirsium vulgare</i> (Savi) Tenore. <i>Eclipta alba</i> (L.) Hassk. <i>Erechtites hieracifolia</i> (L.) Raf. <i>Aster subulatus</i> Michx. <i>Solidago graminifolia</i> (L.) Salisb. <i>Ambrosia psilostachya</i> (Torrey&Gray) Farwell <i>Xanthium strumarium</i> L.

Vegetation on mudflats and in thickets in Nature Conservancy marsh at Cheyenne Bottoms, Kansas. Adapted from Aber et al. (2006, table 1).

## References

- Aber, J.S., Aber, S.W., Pavri, F., Penner, R.L. and Volkova, E. 2006. Small-format aerial photography for assessing change in wetland vegetation, Cheyenne Bottoms, Kansas. *Kansas Academy Science, Transactions* 109, p. 47-57.
- Aschenbach, T.A. and Kindscher, K. 2006. Plant species on salt-affected soil at Cheyenne Bottoms, Kansas. *Kansas Academy Science, Transactions* 109, p. 207-213.