



**WETLAND HABITAT TYPES AND DESIGN CRITERIA**

Habitat Type	Hydrologic Design Criteria	Elevation	Acreage
Upland Buffer Habitat	> 2.5 ft above elevation 952.5	> 953.0 ft	1.74
Wet Shrub / Emergent Marsh Habitat	0.0 ft to 2.5 ft above elevation 952.5	955.0 ft to 952.5 ft	1.40
Intermediate / Deep Marsh Habitat	0.0 ft to 3.0 ft below elevation 952.5	952.5 ft to 949.5 ft	0.79
Open Water Habitat	> 3.0 ft below elevation 952.5	< 949.5 ft	0.41
	<b>Total Area</b>		<b>4.34</b>

**Upland Buffer Habitat Seed Species ( 1.74 acres total)**

Scientific Name	Common Name	Seed Mix Composition
<i>Andropogon gerardi</i> , <i>Bison</i>	Bison Big Bluestem	25%
<i>Elymus canadensis</i>	Canada Wild Rye	25%
<i>Sorghastrum nutans</i> , <i>Nebreska 54</i>	Nebreska 54 Indian Grass	20%
<i>Chamaecrista fasciculata</i>	Partridge Pea	10%
<i>Heliopsis scabra</i>	Ox Eye Sunflower	5%
<i>Panicum virgatum</i> , <i>Shelter</i>	Sheker Switch Grass	5%
<i>Astilbe spicata</i>	Common Milkweed	4%
<i>Desmodium canadense</i>	Showy Tick Trefoil	4%
<i>Rudbeckia hirta</i>	Black Eyed Susan	2%

Seed at 9 lbs. per acre

**REFERENCE**

- THE CONTOURS DEPICTED ON THIS MAP WERE COMPILED TO NATIONAL MAP ACCURACY STANDARDS BY THE U.S. GEOLOGICAL SURVEY. THE CONTOUR SPACING IS 5 FEET. THE ELEVATION DATA WERE OBTAINED FROM THE NATIONAL ELEVATION DATA SET (NED) IN 2006. THE CONTOUR SPACING IS 5 FEET. THE ELEVATION DATA WERE OBTAINED FROM THE NATIONAL ELEVATION DATA SET (NED) IN 2006.
- THE AEROPHOTO TOPOGRAPHY WAS SUPPLIED BY FIELD ENERGY PERFORMED BY CEC, INC. ON 10/31/2007 IN THE AREA OF THE PROPOSED WETLAND MITIGATION.

Scientific Name	Common Name	Wetland Indicator Status	Type of Plant Material	Number of Plants
<i>Acer rubrum</i>	red maple	FAC	redwood trees, or ball & burlap trees	20
<i>Acer saccharinum</i>	silver maple	FACU	ball & burlap trees	20
<i>Corylus ovata</i>	shagbark hickory	FACU	white oak	20
<i>Quercus alba</i>	white oak	FACU	minimum	20
<i>Quercus prinus</i>	pin oak	FACU	minimum	20
<i>Fraxinus pennsylvanica</i>	green ash	FACU	minimum	20

**Upland Buffer Habitat Plant Species ( 1.74 acres total)**

Scientific Name	Common Name	Wetland Indicator Status	Type of Plant Material	Number of Plants
<i>Solidago canadensis</i>	goldenrod	FACU	minimum	20
<i>Asclepias tuberosa</i>	orange milkweed	FACU	minimum	20
<i>Asclepias speciosa</i>	white milkweed	FACU	minimum	20
<i>Asclepias syriaca</i>	common milkweed	FACU	minimum	20
<i>Asclepias speciosa</i>	white milkweed	FACU	minimum	20
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