

APPENDIX C
USGS-NPS VEGETATION MAPPING PROGRAM
AGATE FOSSIL BEDS NATIONAL MONUMENT, NEBRASKA
FINAL ASSOCIATION/ COMMUNITY PHOTO SIGNATURE KEY
The Photosignature Key is to be used with Aerial Photographs and Spatial Data
Natural Color Aerial Photography Flown July 1995 1:12,000 Scale
December 15, 1997

Association/ Community Code	Association/Community Name	Photo Signature	Height (Meters)	Context	Notes
01	Populus deltoides – (Salix amygdaloides) / Salix exigua Woodland	COLOR: A) Medium green to dark green; B) Medium to light blue-green TEXTURE: Coarse CROWN SIZE: Large CROWN SHAPE: Round DENSITY: Moderate	30 – 50	Probably planted, no natural occurrences	Cook House farmstead area is the primary occurrence
02	Symphoricarpos occidentalis Shrubland	COLOR: Dark green TEXTURE: Medium CROWN SIZE: Small CROWN SHAPE: Round DENSITY: High	<3	Limited occurrence, primarily in the floodplain	
03	Salix exigua Shrubland	COLOR: Medium green to dark green TEXTURE: Medium CROWN SIZE: Small CROWN SHAPE: Tight rounded DENSITY: Very high	<3	Floodplain adjacent to river	
04	Stipa comata – Bouteloua gracilis – Carex filifolia Herbaceous Vegetation	COLOR: Dark dull green TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High	<.5	Steep upper and middle hillslopes	Carex filifolia lessens as reach steeper upper slopes; Calamovilfa longifolia circles as inclusions
05	Calamovilfa longifolia – Andropogon hallii Herbaceous Vegetation	COLOR: Deep medium green to dull medium green, blue-green patches TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High	<1	Shallow middle and lower hillslopes and canyon bottoms	

USGS-NPS Vegetation Mapping Program
 Agate Fossil Beds National Monument

Association/ Community Code	Association/Community Name	Photo Signature	Height (Meters)	Context	Notes
06	Upland Disturbance Herbaceous Vegetation	COLOR: A) Yellow, with yellow green, yellow brown, and brown; B) Medium yellow green, with some rusty brown and yellow brown; C) Dull brown to very dark green to black; D) Dull brown to rusty brown to light yellow brown; E) Dull blue green TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High	<2	Valley bottoms, stream floodplains/terraces, hill sideslopes	
07	Annual-dominated Floodplain Disturbance Herbaceous Vegetation	COLOR: Light to neutral medium green TEXTURE: Moderate to smooth, moderate to fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High to moderate	<2	Lower floodplain terrace, dry	
08	Pascopyrum smithii Herbaceous Vegetation	COLOR: Bright to light medium green TEXTURE: Moderate CROWN SIZE: None CROWN SHAPE: None DENSITY: High	<1	Upper floodplain terrace	
09	Juncus balticus Herbaceous Vegetation	COLOR: Medium to dark green TEXTURE: Moderate to smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High	<2	Lower floodplain terrace, wet	
10	Typha latifolia Western Herbaceous Vegetation	COLOR: Very dark green to black, sometimes white to gray inclusions TEXTURE: Moderate to smooth CROWN SIZE: None CROWN SHAPE: None DENSITY: High to very low	<2	Adjacent to river, saturated wet areas	Photos show no vegetation, field shows dense with cattails

USGS-NPS Vegetation Mapping Program
 Agate Fossil Beds National Monument

Association/ Community Code	Association/Community Name	Photo Signature	Height (Meters)	Context	Notes
11	Seeded Grassland Herbaceous Vegetation	COLOR: Medium green TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: High to moderate	<2	Lower floodplain terrace	Limited to one location
12	Stipa comata – Bouteloua gracilis Gravel Herbaceous Vegetation	COLOR: White to light gray TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: Low	<1	Gravelly channels	Few occurrences, mostly less than mmu
13	Schizachyrium scoparium – Bouteloua curtipendula, gracilis – Carex filifolia Herbaceous Vegetation	COLOR: White to gray TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: Low	<.5	Ridgetops with very little vegetation	
14	Stipa comata – Bouteloua gracilis – Carex filifolia Herbaceous Vegetation / Schizachyrium scoparium – Bouteloua (curtipendula, gracilis) – Carex filifolia Herbaceous Vegetation Mosaic	COLOR: White to gray to gray green, with dull medium green inclusions TEXTURE: Smooth, fine CROWN SIZE: None CROWN SHAPE: None DENSITY: Low to moderate	<.5	Ridgetops	