



Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

No



Field Data Sheet

Weather Conditions at End of Survey

Temperature (°F): 71

Wind Speed (mph): 1 – 3 (Light Air; Smoke drifts)

Wind Direction: W

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Were there any notable weather events/changes during the survey? No

Bird Observation Summary

Were any Endangered/Threatened Species observed?

No

Were any Species of Special Concern observed?

Yes

Were probable, possible, or confirmed breeding behaviors observed for any Listed Species (Endangered/Threatened/Special Concern)?

No

Were there additional photos documenting birds observed, habitat conditions, and/or other features of interest?

No

Additional Photo(s):

Were any alternate point count survey locations used due to access or visual constraints?

No

Alternate Point Count Survey Locations:



Field Data Sheet

**Incidental bird species observed outside of timed point count surveys
(Alpha Codes or Common Names):**

AMKE, GBHE

Overall Survey Notes:



Field Data Sheet

Breeding Bird Survey

Submitted By: bsmith@edrdpc.com

Submitted Time: July 13, 2023 8:51 AM

Survey Information

Project Name: Agricola Wind

Survey Date: July 13, 2023

Surveyor Name: Brooke Smith

Points Surveyed: 22-28, 43-46; 48; 50; 68

Survey Start Time: 05:26

Survey End Time: 08:50

Weather Conditions at Start of Survey

Temperature (°F): 68

Wind Speed (mph): 4 – 7 (Light Breeze; Leaves rustle)

Wind Direction: SE

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:



Field Data Sheet

Open Field Condition Observations

Corresponding Point ID(s): 51

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 24-30

Dominant Plant Species (Common Names): Grass

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 68

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 42-48

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 43 & 45

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 1-3"

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used because vegetation height decreased visibility. Unable to see over wheat from farther in field. Surveyed for 10 minutes from this location

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 48

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used because vegetation height decreased visibility farther into field. Unable to see over wheat

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 44 & 46

Anthropogenic Disturbance/Management Practices: Farm Equipment Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used because vegetation height decreased visibility. Unable to see over wheat from farther in field. Surveyed for 10 minutes from this location

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 28

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height. Corn was taller than me farther into the field.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 26

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height. Corn was taller than me farther into the field.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 24

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 25

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 2-4

Dominant Plant Species (Common Names):

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 27

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height. Corn was taller than me farther into the field.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 23

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height. Corn was taller than me farther into the field.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 22

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height. Corn was taller than me farther into the field.

Do you need to report observations of another open field?

No



Field Data Sheet

Weather Conditions at End of Survey

Temperature (°F): 74

Wind Speed (mph): 8 – 12 (Gentle Breeze; Leaves and Small twigs in constant motion)

Wind Direction: S

Cloud Cover: None (Clear)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes: Light rain on and off throughout survey.

Were there any notable weather events/changes during the survey? No

Bird Observation Summary

Were any Endangered/Threatened Species observed?

No

Were any Species of Special Concern observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any Listed Species (Endangered/Threatened/Special Concern)?

No

Were there additional photos documenting birds observed, habitat conditions, and/or other features of interest?

No

Additional Photo(s):

Were any alternate point count survey locations used due to access or visual constraints?

Yes



Field Data Sheet

Alternate Point Count Survey Locations: 43-46, 48, 26, 28, 27, 23, 22

**Incidental bird species observed outside of timed point count surveys
(Alpha Codes or Common Names):**

Overall Survey Notes:



Field Data Sheet

Breeding Bird Survey

Submitted By: mbaber@edrdpc.com

Submitted Time: July 17, 2023 12:57 PM

Survey Information

Project Name: Agricola Wind

Survey Date: July 17, 2023

Surveyor Name: Max Baber

Points Surveyed: 17, 18, 20, 21, 58.1-63, 43-46

Survey Start Time: 05:30

Survey End Time: 10:49

Weather Conditions at Start of Survey

Temperature (°F): 63

Wind Speed (mph): 1 – 3 (Light Air; Smoke drifts)

Wind Direction: S

Cloud Cover: Overcast (90-100%)

Visibility: Fair (0.62-10 miles; mist or light/moderate precipitation)

Precipitation: None (Clear)

Weather Notes:



Field Data Sheet

Open Field Condition Observations

Corresponding Point ID(s): 62

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 63

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 25-50%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 1-3"

Average Vegetation Height (inches): 18-24

Dominant Plant Species (Common Names): Goldenrod, birds foot trefoil, bedstraw, grasses

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 18

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 25-50%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 50-90%

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 24-30

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 17

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 25-50%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 6-12

Dominant Plant Species (Common Names): Grasses, vetch

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Field fully hayed since previous survey

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 20

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 25-50%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 6-12

Dominant Plant Species (Common Names): Grasses, ragweed

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 21

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 25-50%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 6-12

Dominant Plant Species (Common Names): Grasses, vetch

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 61

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 30-36

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 60

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 30-36

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 59

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 10-25%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 12-18

Dominant Plant Species (Common Names): Grasses, wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 58.2

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 30-36

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 58.1

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 43

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 48-54

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 44

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 45

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 42-48

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 46

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Wheat

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

No



Field Data Sheet

Weather Conditions at End of Survey

Temperature (°F): 74

Wind Speed (mph): 4 – 7 (Light Breeze; Leaves rustle)

Wind Direction: SSW

Cloud Cover: Overcast (90-100%)

Visibility: Fair (0.62-10 miles; mist or light/moderate precipitation)

Precipitation: None (Clear)

Weather Notes:

Were there any notable weather events/changes during the survey? No

Bird Observation Summary

Were any Endangered/Threatened Species observed?

No

Were any Species of Special Concern observed?

Yes

Were probable, possible, or confirmed breeding behaviors observed for any Listed Species (Endangered/Threatened/Special Concern)?

No

Were there additional photos documenting birds observed, habitat conditions, and/or other features of interest?

No

Additional Photo(s):

Were any alternate point count survey locations used due to access or visual constraints?

No

Alternate Point Count Survey Locations:



Field Data Sheet

**Incidental bird species observed outside of timed point count surveys
(Alpha Codes or Common Names):**

WIFL

Overall Survey Notes:

Smoky conditions; pause in middle of survey due to dead car battery



Field Data Sheet

Breeding Bird Survey

Submitted By: sbeguina@edrdpc.com

Submitted Time: July 19, 2023 4:19 PM

Survey Information

Project Name: Agricola Wind

Survey Date: July 19, 2023

Surveyor Name: Samouel Beguin

Points Surveyed: 3-5, 29-38, 64-68

Survey Start Time: 05:17

Survey End Time: 10:10

Weather Conditions at Start of Survey

Temperature (°F): 59

Wind Speed (mph): 0 – 1 (Calm; Smoke rises vertically)

Wind Direction: N

Cloud Cover: Mostly Clear (10-25%)

Visibility: Fair (0.62-10 miles; mist or light/moderate precipitation)

Precipitation: Fog

Weather Notes: Some fog at start of survey



Field Data Sheet

Open Field Condition Observations

Corresponding Point ID(s): 36-38

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 1-10%

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 18-24

Dominant Plant Species (Common Names): Alfalfa; some grasses and burdock within wet swales

Invasive Plant Species (Common Names):

Representative Photo(s):



Field Data Sheet





Field Data Sheet



Notes :
Alfalfa field



Field Data Sheet

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 67

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 10-25%

Estimated Forb Cover (%): 25-50%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Corn, grasses, velvetleaf, thistle, burdock

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Corn to east; weedy hayfield to west; alternate location used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 64

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 25-50%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Timothy, wheat, dock, thistle, alfalfa, wild parsnip

Invasive Plant Species (Common Names): Wild parsnip, thistle

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Overgrown weedy hay or wheat field

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 65, 66

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 12-18

Dominant Plant Species (Common Names): Soybeans (counted as a forb)

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Soybean field; area planted with oats present between this area and the portion of the field containing point 64

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 34

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 25-50%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 18-24

Dominant Plant Species (Common Names): Alfalfa, grasses, dandelion, corn, dock

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Edge of grassy swale; on edge of areas planted with alfalfa and corn; more fog during this survey

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 35

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): 10-25%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 42-48

Dominant Plant Species (Common Names): Corn, grasses, dandelion

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Alternate location along grassy swale used due to tall corn; more fog during this survey

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 30

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 25-50%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 12-18

Dominant Plant Species (Common Names): Alfalfa (counted as forb and used for average height), corn (counted as grass)

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Near transition from alfalfa to corn

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 31

Anthropogenic Disturbance/Management Practices: Other (describe in notes)

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 36-42

Dominant Plant Species (Common Names): Corn, grasses, Queen Anne's lace, wild parsnip

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Plane and distant traffic noise; fenced livestock pasture to north, corn field to south; alternate location used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 32

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Corn, grasses, dandelion, goldenrod

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Alternate location used along farm road just north of corn field due to tall corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 33

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 10-25%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 48-54

Dominant Plant Species (Common Names): Corn, grasses, weeds, goldenrod, sumac

Invasive Plant Species (Common Names): Honeysuckle along hedgerow

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Alternate location used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 29

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 10-25%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 12-18

Dominant Plant Species (Common Names): Alfalfa, grasses, dandelion

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Near another transition from alfalfa to corn

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 5

Anthropogenic Disturbance/Management Practices: Farm Equipment Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 48-54

Dominant Plant Species (Common Names): Corn, grasses, weeds

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Alternate location used due to tall corn

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 3

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 10-25%

Estimated Forb Cover (%): 25-50%

Estimated Woody Vegetation Cover (%): 1-10%

Estimated Bare Ground (%): 1-10%

Estimated Litter Depth (inches): 1-3"

Average Vegetation Height (inches): 6-12

Dominant Plant Species (Common Names): Grasses, alfalfa, plantain, shrubs along fence to south

Invasive Plant Species (Common Names): Honeysuckle shrubs along fence

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Mowed hay field; fenced pasture to south

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 4

Anthropogenic Disturbance/Management Practices: Farm Equipment Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): 50-90%

Estimated Forb Cover (%): 10-25%

Estimated Woody Vegetation Cover (%): 1-10%

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): 0-1"

Average Vegetation Height (inches): 48-54

Dominant Plant Species (Common Names): Corn, grasses, chicory, wild parsnip

Invasive Plant Species (Common Names): Honeysuckle shrubs along fence

Representative Photo(s):





Field Data Sheet





Field Data Sheet



Notes :

Alternate location used due to corn height

Do you need to report observations of another open field?

No



Field Data Sheet

Weather Conditions at End of Survey

Temperature (°F): 68

Wind Speed (mph): 0 – 1 (Calm; Smoke rises vertically)

Wind Direction: NW

Cloud Cover: Partly Cloudy (25% - 50%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes: Mostly sunny, calm, and clear at end of survey

Were there any notable weather events/changes during the survey? Yes

Bird Observation Summary

Were any Endangered/Threatened Species observed?

No

Were any Species of Special Concern observed?

Yes

Were probable, possible, or confirmed breeding behaviors observed for any Listed Species (Endangered/Threatened/Special Concern)?

No

Were there additional photos documenting birds observed, habitat conditions, and/or other features of interest?

No

Additional Photo(s):

Were any alternate point count survey locations used due to access or visual constraints?

Yes

Alternate Point Count Survey Locations: 4, 5, 31, 32, 33, 35, 67

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Field Data Sheet

Breeding Bird Survey

Submitted By: bsmith@edrdpc.com

Submitted Time: July 21, 2023 9:14 AM

Survey Information

Project Name: Agricola Wind

Survey Date: July 21, 2023

Surveyor Name: Brooke Smith

Points Surveyed: 1, 2, 6 - 15

Survey Start Time: 05:25

Survey End Time: 09:13

Weather Conditions at Start of Survey

Temperature (°F): 61

Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)

Wind Direction: SSE

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:



Field Data Sheet

Open Field Condition Observations

Corresponding Point ID(s): 1

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 18-24

Dominant Plant Species (Common Names): Alfalfa

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 2

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches):

Average Vegetation Height (inches): 18-24

Dominant Plant Species (Common Names): Alfalfa

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 7

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 12-18

Dominant Plant Species (Common Names): Alfalfa

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 6 (alt)

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 9.1(alt)

Anthropogenic Disturbance/Management Practices: Traffic Noise

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): None

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height.

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 9 (alt)

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 54-60

Dominant Plant Species (Common Names): Corn

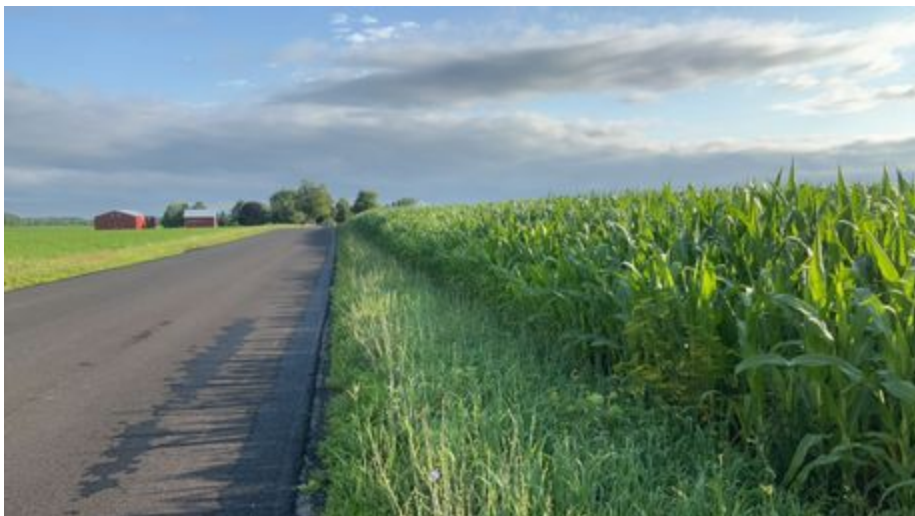
Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 10 (alt)

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

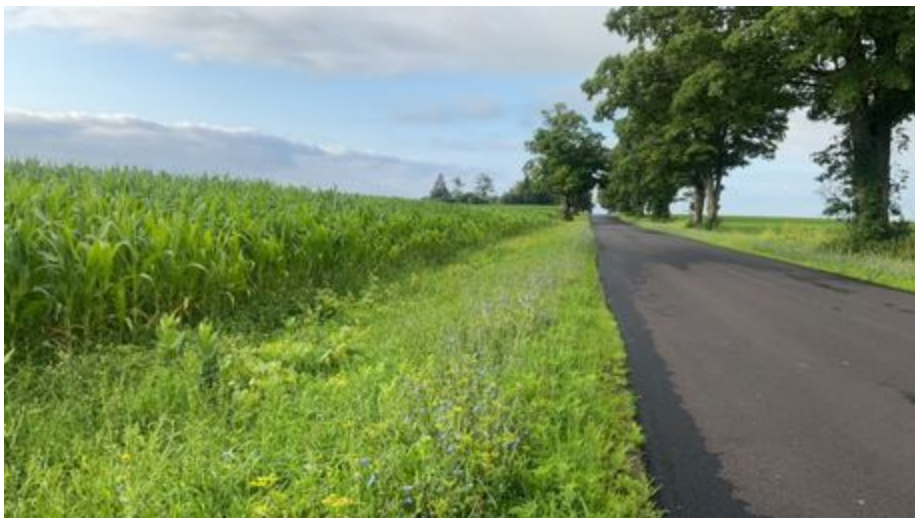
Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 10.1 (alt)

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Row Cropland (Active)

Estimated Grass Cover (%): None

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 60+

Dominant Plant Species (Common Names): Corn

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Alternate point used due to corn height

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 11

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 24-30

Dominant Plant Species (Common Names): Grass, clover

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 12

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 90-100%

Estimated Forb Cover (%): 1-10%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 24-30

Dominant Plant Species (Common Names): Grass, clover

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 14

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 10-25%

Estimated Forb Cover (%): 50-90%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 30-36

Dominant Plant Species (Common Names): Clover

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 15

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 1-10%

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 30-36

Dominant Plant Species (Common Names): Grass and clover

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

Yes



Field Data Sheet

Corresponding Point ID(s): 13

Anthropogenic Disturbance/Management Practices: None notable

Primary Open Field Cover Type: Field Cropland (including hay, wheat, oats, etc.)

Estimated Grass Cover (%): 1-10%

Estimated Forb Cover (%): 90-100%

Estimated Woody Vegetation Cover (%): None

Estimated Bare Ground (%): None

Estimated Litter Depth (inches): None

Average Vegetation Height (inches): 24-30

Dominant Plant Species (Common Names): Clover

Invasive Plant Species (Common Names):

Representative Photo(s):





Field Data Sheet





Field Data Sheet

Notes :

Do you need to report observations of another open field?

No



Field Data Sheet

Weather Conditions at End of Survey

Temperature (°F): 66

Wind Speed (mph): 4 – 7 (Light Breeze; Leaves rustle)

Wind Direction: S

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Were there any notable weather events/changes during the survey? No

Bird Observation Summary

Were any Endangered/Threatened Species observed?

No

Were any Species of Special Concern observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any Listed Species (Endangered/Threatened/Special Concern)?

No

Were there additional photos documenting birds observed, habitat conditions, and/or other features of interest?

No

Additional Photo(s):

Were any alternate point count survey locations used due to access or visual constraints?

Yes

Alternate Point Count Survey Locations: 9-10.1 and 6



Field Data Sheet

**Incidental bird species observed outside of timed point count surveys
(Alpha Codes or Common Names):**

Overall Survey Notes:

APPENDIX D

Breeding Bird Survey Observations

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