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APPENDIX D

Survey Data Sheets

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Field Data Sheet

Survey Start Time (hh:mm 24hr): -

Survey End Time (hh:mm 24hr): -

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet

Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Did any raptors respond to broadcasts? No

Raptor response notes:

Additional Notes:

DBS was previously completed on 7/18/23 in another form. Do not use DBS data from this form. Form is for the TVES only.

Do you need to record data for another DBS?

No

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: B

Starting Point: Northeast

Survey Start Time (hh:mm 24hr): 0832

Survey End Time (hh:mm 24hr): 1030

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:

Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 73

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

Wind Direction: SSW

Cloud Cover: Mostly Clear (10-25%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

BCCH, NOFL, GCFL, EATO, BLJA, AMRO, COYE, EAWP, HETH, NOCA, REVI, WBNU, GRCA, AMGO, AMCR, MODO, TUVU, RUGR, NOFL, HAWO

Surveyor Initials:

FS

Overall Survey Notes:

This survey form is for the TVES at hexagon B only.



Field Data Sheet

Forest Raptor Survey

Submitted By: fsimeone@edrdpc.com

Submitted Time: July 21, 2023 9:32 AM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 20, 2023

Surveyor First and Last Name(s): Frank Simeone, Anna Butler, James Kearney

Sampling Hexagons Surveyed: C

Overall Start Time (hh:mm 24hr): 1105

Overall End Time (hh:mm 24hr): 1530

Weather Conditions at Start of Survey

Temperature (°F): 74

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

Wind Direction: SSE

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: C

Starting Point: NE



Field Data Sheet

Survey Start Time (hh:mm 24hr): 1129

Survey End Time (hh:mm 24hr): 1516

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:



Field Data Sheet

Did any raptors respond to broadcasts? No

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?
No

Do you need to record data for a Terrestrial Visual Survey (TVES)?
No

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID:

Starting Point:

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?



Field Data Sheet

Raptor sign notes:

Additional Notes:

Do you need to record data for another TVES?



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:

Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 76

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

Wind Direction: ESE

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

BLJA, COYE, BCCH, DEJU, HETH, AMCR, AMRO, SCTA, REVI, NOFL, NOCA, GCFL, GRCA

Surveyor Initials:

FS

Overall Survey Notes:

DBS hexagon C only



Field Data Sheet

Forest Raptor Survey

Submitted By: bsmith@edrjpc.com

Submitted Time: July 25, 2023 2:24 PM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 25, 2023

Surveyor First and Last Name(s): Brooke Smith, Sam Beguin, Max Baber

Sampling Hexagons Surveyed: E

Overall Start Time (hh:mm 24hr): 1045

Overall End Time (hh:mm 24hr): 1424

Weather Conditions at Start of Survey

Temperature (°F): 72

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

Wind Direction: WNW

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: E

Starting Point: Northwest



Field Data Sheet

Survey Start Time (hh:mm 24hr): 1046

Survey End Time (hh:mm 24hr): 1400

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? Yes

Were any raptor signs observed? No

Raptor sign notes:

Did any raptors respond to broadcasts? No



Field Data Sheet

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

No

Do you need to record data for a Terrestrial Visual Survey (TVES)?

No

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID:

Starting Point:

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?



Field Data Sheet

Raptor sign notes:

Additional Notes:

Do you need to record data for another TVES?



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:

Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 76

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

Wind Direction: WNW

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

REVI COYE AMGO WOTH RBGR AMCR HOWA CEDW EUST TUTI SCTA EAWP BLJA FISP OVEN SOSP AMRO HAWO RBWO TUVU NOCA RTHU

Surveyor Initials:

BS

Overall Survey Notes:

N/A



Field Data Sheet

Forest Raptor Survey

Submitted By: fsimeone@edrdpc.com

Submitted Time: July 25, 2023 5:41 PM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 25, 2023

Surveyor First and Last Name(s): Frank Simeone, Anna Butler

Sampling Hexagons Surveyed: C

Overall Start Time (hh:mm 24hr): 0815

Overall End Time (hh:mm 24hr): 1039

Weather Conditions at Start of Survey

Temperature (°F): 63

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

Wind Direction: WNW

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:

Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: C



Field Data Sheet

Starting Point: Northeast

Survey Start Time (hh:mm 24hr): 0832

Survey End Time (hh:mm 24hr): 1028

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:

Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 70

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

Wind Direction: NW

Cloud Cover: Mostly Cloudy (50% - 90%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

AMCR, WOTH, OVEN, AMGO, BLJA, BCCH, WBNU, NOCA, REVI, AMRO, COYE, BWWA, GCFL, INBU, NOFL, RBWO,

Surveyor Initials:

FS

Overall Survey Notes:

No signs



Field Data Sheet

Forest Raptor Survey

Submitted By: abutler@edrdpc.com

Submitted Time: July 26, 2023 11:01 AM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 25, 2023

Surveyor First and Last Name(s): Anna Butler, Frank Simeone, James Kearney

Sampling Hexagons Surveyed: A

Overall Start Time (hh:mm 24hr): 1118

Overall End Time (hh:mm 24hr): 1520

Weather Conditions at Start of Survey

Temperature (°F): 75

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

Wind Direction: NW

Cloud Cover: Overcast (90-100%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: A

Starting Point: Southeast



Field Data Sheet

Survey Start Time (hh:mm 24hr): 1118

Survey End Time (hh:mm 24hr): 1520

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Did any raptors respond to broadcasts? No



Field Data Sheet

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

No

Do you need to record data for a Terrestrial Visual Survey (TVES)?

No

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID:

Starting Point:

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?



Field Data Sheet

Raptor sign notes:

Additional Notes:

Do you need to record data for another TVES?



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:
Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 79

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

Wind Direction: NW

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

WOTH, AMRO, EATO, EAWP, BCCH, BLJA, REVI, GCFL, COYE, CEWA, AMGO, CORA, WBNU, FISP, VEER, DOWO, NOFL, SCTA

Surveyor Initials:

AB, FS, JK

Overall Survey Notes:

None



Field Data Sheet

Forest Raptor Survey

Submitted By: jkearney@edrdpc.com

Submitted Time: July 26, 2023 6:22 PM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 26, 2023

Surveyor First and Last Name(s): James Kearney, Max Baber, Frank Simeone

Sampling Hexagons Surveyed: G

Overall Start Time (hh:mm 24hr): 0836

Overall End Time (hh:mm 24hr): 1233

Weather Conditions at Start of Survey

Temperature (°F): 65

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

Wind Direction: SE

Cloud Cover: None (Clear)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: G

Starting Point: Southwest

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Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: E



Field Data Sheet

Starting Point: Northwest

Survey Start Time (hh:mm 24hr): 1322

Survey End Time (hh:mm 24hr): 1607

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? Yes

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:
Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 82

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

Wind Direction: SSW

Cloud Cover: Mostly Clear (10-25%)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES

(Alpha Codes or Common Names):

FISP, AMGO, SOSP, RWBL, EAWP, AMCR, WOTH, REVI, BLJA

Surveyor Initials:

AB, KO

Overall Survey Notes:

None



Field Data Sheet

Forest Raptor Survey

Submitted By: fsimeone@edrdpc.com

Submitted Time: July 31, 2023 12:00 PM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: July 28, 2023

Surveyor First and Last Name(s): Frank Simeone, Jess DeToy, Anna Butler

Sampling Hexagons Surveyed: 1

Overall Start Time (hh:mm 24hr): 0911

Overall End Time (hh:mm 24hr): 1604

Weather Conditions at Start of Survey

Temperature (°F): 73

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

Wind Direction: ESE

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: 1

Starting Point: Northeast



Field Data Sheet

Survey Start Time (hh:mm 24hr): 0933

Survey End Time (hh:mm 24hr): 1327

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Did any raptors respond to broadcasts? No



Field Data Sheet

Raptor response notes:

Additional Notes:
WITU feather found

Do you need to record data for another DBS?
No

Do you need to record data for a Terrestrial Visual Survey (TVES)?
Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: I

Starting Point: Northeast

Survey Start Time (hh:mm 24hr): 1345

Survey End Time (hh:mm 24hr): 1546

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



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Field Data Sheet

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names):
 AMGO, EAWP, NOCA, AMCR, BLJA, BCCH, REVI, TUVU, GCFL, SOSP, AMRO, MODO, GHOW, DOWO, HAWO, NOFL, SCTA, WBNU,

Surveyor Initials:
 FS

Overall Survey Notes:
 WITU and AMCR primary feather found



Field Data Sheet

Forest Raptor Survey

Submitted By: jkearney@edrdpc.com
 Submitted Time: August 1, 2023 10:44 PM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 1, 2023
Surveyor First and Last Name(s): James Kearney
Sampling Hexagons Surveyed: G
Overall Start Time (hh:mm 24hr): 1012
Overall End Time (hh:mm 24hr): 1343

Weather Conditions at Start of Survey

Temperature (°F): 64
Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)
Wind Direction: N
Cloud Cover: Mostly Clear (10-25%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?
 No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:
Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):
Survey End Time (hh:mm 24hr):
Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

- Were any T&E species observed?**
- Were any SSC observed?**
- Were any target forest raptors observed?**
- Were any other raptors (not T&E, SSC, or target) observed?**
- Were any raptor signs observed?**
- Raptor sign notes:**
- Did any raptors respond to broadcasts?**
- Raptor response notes:**
- Additional Notes:**

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?
 Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: G



Field Data Sheet

Starting Point: Southwest
Survey Start Time (hh:mm 24hr): 1030
Survey End Time (hh:mm 24hr): 1333

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:





Field Data Sheet



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:

Do you need to record data for another TVES?
No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:
Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:



Field Data Sheet

Additional Notes:

Do you need to record forest habitat data for another sampling hexagon?

Weather Conditions at End of Survey

Temperature (°F): 68

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

Wind Direction: NNW

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?
No

Were any target forest raptor species observed?

No

Were there additional photos documenting birds observed, habitat conditions, raptor signs, and/or other features of interest?
No

Additional Photo(s):



Field Data Sheet

Were any survey transects excluded due to access, safety, and/or visual constraints? No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names): BLJA, REVI, NOFL, COYE, AMGO, BCCH, CEDW, WBNU, GRCA, EATO, AMRO, SOSP, INBU, RUGR, NOCA

Surveyor Initials: JCK

Overall Survey Notes: N/A



Field Data Sheet

Forest Raptor Survey

Submitted By: fsimeone@edrdpc.com
Submitted Time: August 2, 2023 5:38 PM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 1, 2023
Surveyor First and Last Name(s): Frank Simeone, Anna Butler, Max Baber
Sampling Hexagons Surveyed: F
Overall Start Time (hh:mm 24hr): 0910
Overall End Time (hh:mm 24hr): 1545

Weather Conditions at Start of Survey

Temperature (°F): 60
Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)
Wind Direction: NW
Cloud Cover: None (Clear)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)? Yes

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID: F
Starting Point: Northwest



Field Data Sheet

Survey Start Time (hh:mm 24hr): 0926

Survey End Time (hh:mm 24hr): 1316

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No
Were any SSC observed? No
Were any target forest raptors observed? No
Were any other raptors (not T&E, SSC, or target) observed? No
Were any raptor signs observed? No
Raptor sign notes:
Did any raptors respond to broadcasts? No



Field Data Sheet

Raptor response notes:

Additional Notes:

WITU feather

Do you need to record data for another DBS?

No

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: F

Starting Point: Northwest

Survey Start Time (hh:mm 24hr): 1330

Survey End Time (hh:mm 24hr): 1529

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Field Data Sheet

Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:

WITU feather

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID:

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Subplot Radius/Dimensions (meters):

Estimated Herbaceous Plant Cover (including graminoids; %):

Estimated Shrub Cover (%):

Estimated Tree Cover (%):

Estimated Rock Cover (%):

Estimated Litter Cover (%):

Estimated Bare Ground (%):

Estimated Canopy Cover (%):

Litter Depth (Average of Three Locations; inches):

Dominant Woody Plant Species (Common Names):

Average Tree Trunk Diameter at Breast Height (inches):

Snags present?

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance:

Estimated Proximity to Water (Stream, Pond, or Wetland):

Estimated Proximity to Forest Edge:

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Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: E



Field Data Sheet

Starting Point: Northeast

Survey Start Time (hh:mm 24hr): 1338

Survey End Time (hh:mm 24hr): 1515

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? Yes

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: E

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 90-100%

Estimated Shrub Cover (%): 25-50%

Estimated Tree Cover (%): 10-25%

Estimated Rock Cover (%): 1-10%

Estimated Litter Cover (%): 90-100%

Estimated Bare Ground (%): 1-10%



Field Data Sheet

Estimated Canopy Cover (%): 90-100%

Litter Depth (Average of Three Locations; inches): 1-3"

Dominant Woody Plant Species (Common Names): Raspberry, Sugar Maple, Beech, Green Ash

Average Tree Trunk Diameter at Breast Height (inches): 5-7"

Snags present? Yes

Snag Characteristics/Notes: Broken Top, Loose Bark, Missing Bark

Observed Forest Management Practices/Disturbance: Logging Roads
Estimated Proximity to Water (Stream, Pond, or Wetland): 75

Estimated Proximity to Forest Edge: 95

Additional Notes: N/A

Do you need to record forest habitat data for another sampling hexagon? No

Weather Conditions at End of Survey

Temperature (°F): 70

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

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

If Yes, Describe (Notes):

Bird Observation Summary



Field Data Sheet

Were any T&E species observed? No

Were any SSC observed? No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)? No

Were any target forest raptor species observed? No

Were there additional photos documenting birds observed, habitat conditions, raptor signs, and/or other features of interest? No

Additional Photo(s):

Were any survey transects excluded due to access, safety, and/or visual constraints? No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names): EAWP AMRO WBNU

Surveyor Initials: BS

Overall Survey Notes: N/A



Field Data Sheet

Forest Raptor Survey

Submitted By: jkearney@edrdpc.com
Submitted Time: August 2, 2023 5:21 PM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 2, 2023
Surveyor First and Last Name(s): James Kearney, Anna Butler
Sampling Hexagons Surveyed: C
Overall Start Time (hh:mm 24hr): 1004
Overall End Time (hh:mm 24hr): 1346

Weather Conditions at Start of Survey

Temperature (°F): 67
Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)
Wind Direction: ESE
Cloud Cover: Mostly Clear (10-25%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?
No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:
Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: C



Field Data Sheet

Starting Point: Southwest

Survey Start Time (hh:mm 24hr): 1026

Survey End Time (hh:mm 24hr): 1251

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet





Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:
Unknown feather found

Do you need to record data for another TVES?
No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: C

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 50-90%

Estimated Shrub Cover (%): 25-50%

Estimated Tree Cover (%): 1-10%

Estimated Rock Cover (%): 1-10%

Estimated Litter Cover (%): 10-25%

Estimated Bare Ground (%): None

Estimated Canopy Cover (%): 50-90%

Litter Depth (Average of Three Locations; inches): 0-1"

Dominant Woody Plant Species (Common Names): Honeysuckle, American beech, green ash, American hophornbeam, Norway spruce, black cherry

Average Tree Trunk Diameter at Breast Height (inches): 5-7"



Field Data Sheet

Snags present? Yes

Snag Characteristics/Notes:

Broken Top, Large (> 12 inches in Diameter) Broken Limbs, Loose Bark, Missing Bark

Observed Forest Management Practices/Disturbance: Tree Stumps
Estimated Proximity to Water (Stream, Pond, or Wetland): 160

Estimated Proximity to Forest Edge: 250

Additional Notes:

Forest edge measured to road.

Do you need to record forest habitat data for another sampling hexagon?

No

Weather Conditions at End of Survey

Temperature (°F): 72

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

Wind Direction: WSW

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

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes):

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?



Field Data Sheet

No

Were any target forest raptor species observed?

No

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

No

Additional Photo(s):

Were any survey transects excluded due to access, safety, and/or visual constraints?

No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names):

EATO, BLJA, BCCH, CEDW, NOFL, COYE, WOTH, COGR, WBNU, CORA, AMRO, AMCR, REVI, SOSP, GRCA

Surveyor Initials:

JCK, AB

Overall Survey Notes:

n/a



Field Data Sheet

Forest Raptor Survey

Submitted By: fsimeone@edrdpc.com

Submitted Time: August 2, 2023 5:38 PM

Survey Information

Project Name: 21028 - Hoffman Falls

Survey Date: August 2, 2023

Surveyor First and Last Name(s): Frank Simeone, Max Baber

Sampling Hexagons Surveyed: 1

Overall Start Time (hh:mm 24hr): 0816

Overall End Time (hh:mm 24hr): 1052

Weather Conditions at Start of Survey

Temperature (°F): 53

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

Wind Direction: SSE

Cloud Cover: None (Clear)

Visibility: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:

Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: 1



Field Data Sheet

Starting Point: Southeast

Survey Start Time (hh:mm 24hr): 0825

Survey End Time (hh:mm 24hr): 1025

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Unknown non raptor feather found

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: I

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



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Field Data Sheet

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names):
 SOSP, REVI, RWBL, AMGO, EAWP, GRCA, MODO, AMRO, GCFL, DEJU, EATO, YBSA, EAPH, BCCH,

Surveyor Initials:
 FS

Overall Survey Notes:
 Non raptor feather found



Field Data Sheet

Forest Raptor Survey

Submitted By: mbaber@edrdpc.com
 Submitted Time: August 2, 2023 6:39 PM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 2, 2023
Surveyor First and Last Name(s): Max Baber, Frank Simeone
Sampling Hexagons Surveyed: H
Overall Start Time (hh:mm 24hr): 1115
Overall End Time (hh:mm 24hr): 1330

Weather Conditions at Start of Survey

Temperature (°F): 68
Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)
Wind Direction: WSW
Cloud Cover: Mostly Clear (10-25%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?
 No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:
Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):
Survey End Time (hh:mm 24hr):
Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

- Were any T&E species observed?**
- Were any SSC observed?**
- Were any target forest raptors observed?**
- Were any other raptors (not T&E, SSC, or target) observed?**
- Were any raptor signs observed?**
- Raptor sign notes:**
- Did any raptors respond to broadcasts?**
- Raptor response notes:**
- Additional Notes:**

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?
 Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: H



Field Data Sheet

Starting Point: Southeast
Survey Start Time (hh:mm 24hr): 1115
Survey End Time (hh:mm 24hr): 1315

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:





Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: H

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 50-90%

Estimated Shrub Cover (%): None

Estimated Tree Cover (%): 1-10%

Estimated Rock Cover (%): 1-10%

Estimated Litter Cover (%): 25-50%

Estimated Bare Ground (%): 25-50%



Field Data Sheet

Estimated Canopy Cover (%): 90-100%
Litter Depth (Average of Three Locations; inches): 1-3"
Dominant Woody Plant Species (Common Names): Maple, ash, hawthorn
Average Tree Trunk Diameter at Breast Height (inches): 5-7"
Snags present? No
Snag Characteristics/Notes:
Observed Forest Management Practices/Disturbance: None notable, Automobile/ATV/Other Vehicle Noise, Logging Roads, Tree Stumps
Estimated Proximity to Water (Stream, Pond, or Wetland): 450
Estimated Proximity to Forest Edge: 113
Additional Notes:
 Old logging road 4 meters from edge of habitat sampling area; old tree stumps outside of sampling area
Do you need to record forest habitat data for another sampling hexagon?
 No

Weather Conditions at End of Survey

Temperature (°F): 73
Wind Speed (mph): 4 - 7 (Light Breeze; Leaves rustle)
Wind Direction: WNW
Cloud Cover: Mostly Cloudy (50% - 90%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:
Were there any notable weather events/changes during the survey? No
If Yes, Describe (Notes):



Field Data Sheet

Bird Observation Summary

Were any T&E species observed?
 No
Were any SSC observed?
 No
Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?
 No
Were any target forest raptor species observed?
 No
Were there additional photos documenting birds observed, habitat conditions, raptor signs, and/or other features of interest?
 No
Additional Photo(s):
Were any survey transects excluded due to access, safety, and/or visual constraints?
 No
Excluded survey transects:
Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names):
 COYE, SOSP, NOCA, CEDW, WTSP, AMCR, AMRO, DEJU, AMGO, NOFL, BLJA, MODO, REVI, GCFL, WBNU, EAWP,
Surveyor Initials:
 MDB, FS
Overall Survey Notes:
 TVES and habitat analysis



Field Data Sheet

Forest Raptor Survey
 Submitted By: abutler@edrdpc.com
 Submitted Time: August 4, 2023 11:14 AM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 2, 2023
Surveyor First and Last Name(s): Anna Butler, James Kearney
Sampling Hexagons Surveyed: B
Overall Start Time (hh:mm 24hr): 1345
Overall End Time (hh:mm 24hr): 1620

Weather Conditions at Start of Survey

Temperature (°F): 72
Wind Speed (mph): 1 - 3 (Light Air; Smoke drifts)
Wind Direction: WNW
Cloud Cover: Partly Cloudy (25% - 50%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?
 No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:
Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):
Survey End Time (hh:mm 24hr):
Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?
Were any SSC observed?
Were any target forest raptors observed?
Were any other raptors (not T&E, SSC, or target) observed?
Were any raptor signs observed?

Raptor sign notes:
Did any raptors respond to broadcasts?
Raptor response notes:
Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?
 Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: B

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Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: A



Field Data Sheet

Starting Point: Northeast

Survey Start Time (hh:mm 24hr): 0917

Survey End Time (hh:mm 24hr): 1219

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? Yes

Raptor sign notes: Possible raptor feathers found. Multiple feathers found in one area.

Additional Notes:

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: A

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 25-50%

Estimated Shrub Cover (%): 25-50%

Estimated Tree Cover (%): 25-50%

Estimated Rock Cover (%): None

Estimated Litter Cover (%): 90-100%

Estimated Bare Ground (%): None

Estimated Canopy Cover (%): 50-90%

Litter Depth (Average of Three Locations; inches): 0-1"

Dominant Woody Plant Species (Common Names): White ash, black cherry, red maple, eastern cottonwood, dogwood sp, spruce sp

Average Tree Trunk Diameter at Breast Height (inches): 5-7"



Field Data Sheet

Snags present? No

Snag Characteristics/Notes:

Observed Forest Management Practices/Disturbance: Tree Stumps, Other (Describe in Notes)

Estimated Proximity to Water (Stream, Pond, or Wetland): 105

Estimated Proximity to Forest Edge: 249

Additional Notes:

Patch clear cuts for deer present. Subplot half sapling half Rubus

Do you need to record forest habitat data for another sampling hexagon? No

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: Good (10+ miles; clear)

Precipitation: None (Clear)

Weather Notes:

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

If Yes, Describe (Notes): Isolated rain shower during survey

Bird Observation Summary

Were any T&E species observed?

No

Were any SSC observed?

No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)?

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Field Data Sheet

Starting Point: Southwest

Survey Start Time (hh:mm 24hr): 0915

Survey End Time (hh:mm 24hr): 1116

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?
No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: G

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



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Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)

Sampling Hexagon ID: F



Field Data Sheet

Starting Point: Northwest

Survey Start Time (hh:mm 24hr): 1158

Survey End Time (hh:mm 24hr): 1401

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? Yes

Raptor sign notes: Old buteo feather

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: F

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 50-90%

Estimated Shrub Cover (%): 1-10%

Estimated Tree Cover (%): 10-25%

Estimated Rock Cover (%): 1-10%

Estimated Litter Cover (%): 50-90%

Estimated Bare Ground (%): 1-10%



Field Data Sheet

Estimated Canopy Cover (%): 50-90%

Litter Depth (Average of Three Locations; inches): 1-3"

Dominant Woody Plant Species (Common Names): American beech, black cherry, American hophornbeam, sugar maple, green ash

Average Tree Trunk Diameter at Breast Height (inches): 7+"

Snags present? Yes

Snag Characteristics/Notes: Conks, Broken Top, Loose Bark, Missing Bark

Observed Forest Management Practices/Disturbance: Hunting Activity, Logging Roads, Tree Stumps

Estimated Proximity to Water (Stream, Pond, or Wetland): 530

Estimated Proximity to Forest Edge: 210

Additional Notes: Limited understory

Do you need to record forest habitat data for another sampling hexagon? No

Weather Conditions at End of Survey

Temperature (°F): 77

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

Wind Direction: SSW

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

If Yes, Describe (Notes):



Field Data Sheet

Bird Observation Summary

Were any T&E species observed? No

Were any SSC observed? No

Were probable, possible, or confirmed breeding behaviors observed for any state-listed species (endangered/threatened/special concern)? No

Were any target forest raptor species observed? No

Were there additional photos documenting birds observed, habitat conditions, raptor signs, and/or other features of interest? No

Additional Photo(s):

Were any survey transects excluded due to access, safety, and/or visual constraints? No

Excluded survey transects:

Incidental bird species observed outside of timed DBS/TVES (Alpha Codes or Common Names): HAWO, BCCH, EAWP, WBNU, WOTH, CEWA, SCTA, HETH, REVI

Surveyor Initials: AB, FS

Overall Survey Notes: BWHA heard calling.



Field Data Sheet

Forest Raptor Survey

Submitted By: bsmith@edrdpc.com
Submitted Time: August 9, 2023 11:51 AM

Survey Information

Project Name: 21028 - Hoffman Falls
Survey Date: August 3, 2023
Surveyor First and Last Name(s): Brooke Smith, Kailey O'Donnell
Sampling Hexagons Surveyed: D
Overall Start Time (hh:mm 24hr): 0932
Overall End Time (hh:mm 24hr): 1120

Weather Conditions at Start of Survey

Temperature (°F): 66
Wind Speed (mph): 8 - 12 (Gentle Breeze; Leaves and Small twigs in constant motion)
Wind Direction: S
Cloud Cover: Overcast (90-100%)
Visibility: Good (10+ miles; clear)
Precipitation: None (Clear)
Weather Notes:

Do you need to record data for a Diurnal Broadcast Survey (DBS)?

No

Diurnal Broadcast Survey (DBS)

Sampling Hexagon ID:

Starting Point:



Field Data Sheet

Survey Start Time (hh:mm 24hr):

Survey End Time (hh:mm 24hr):

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:

Were any T&E species observed?

Were any SSC observed?

Were any target forest raptors observed?

Were any other raptors (not T&E, SSC, or target) observed?

Were any raptor signs observed?

Raptor sign notes:

Did any raptors respond to broadcasts?

Raptor response notes:

Additional Notes:

Do you need to record data for another DBS?

Do you need to record data for a Terrestrial Visual Survey (TVES)?

Yes

Terrestrial Visual Encounter Survey (TVES)



Field Data Sheet

Sampling Hexagon ID: D

Starting Point: Southwest

Survey Start Time (hh:mm 24hr): 0930

Survey End Time (hh:mm 24hr): 1050

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Were any T&E species observed? No

Were any SSC observed? No

Were any target forest raptors observed? No

Were any other raptors (not T&E, SSC, or target) observed? No

Were any raptor signs observed? No

Raptor sign notes:

Additional Notes:



Field Data Sheet

Do you need to record data for another TVES?

No



Field Data Sheet

Do you need to record forest habitat data?

Forest Habitat Conditions

Sampling Hexagon ID: D

Representative Photographs (N, E, S, and W) from MSIM Monitoring Point:



Field Data Sheet



Subplot Radius/Dimensions (meters): 7.3

Estimated Herbaceous Plant Cover (including graminoids; %): 1-10%

Estimated Shrub Cover (%): None

Estimated Tree Cover (%): 25-50%

Estimated Rock Cover (%): 1-10%

Estimated Litter Cover (%): 90-100%

Estimated Bare Ground (%): 1-10%



Field Data Sheet

Estimated Canopy Cover (%): 90-100%

Litter Depth (Average of Three Locations; inches): 1-3"

Dominant Woody Plant Species (Common Names): American beech, eastern hemlock, Sugar Maple

Average Tree Trunk Diameter at Breast Height (inches): 7+"

Snags present? Yes

Snag Characteristics/Notes:
Broken Top, Loose Bark, Missing Bark

Observed Forest Management Practices/Disturbance: None notable

Estimated Proximity to Water (Stream, Pond, or Wetland): 100

Estimated Proximity to Forest Edge: 100

Additional Notes:
N/A

Do you need to record forest habitat data for another sampling hexagon?
No

Weather Conditions at End of Survey

Temperature (°F): 66

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

Wind Direction: SW

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

If Yes, Describe (Notes):

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