

**Appendix N-3: Evaluation of Bird and Bat Occurrence  
and Potential Development Impacts at Seneca Wind Farm**

SEWFP8074

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS, MIGL Date: 04-29-09Observer: HKO Start time: 940 (military time) Stop time: 950Point number: 08 Temp (°C): 17 Wind speed (m/s): 2 E Cloud cover 100%  
SEWFP008

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
CHSP	20	W	1	T1
AMGO	10	W	1	X FLYOVER
AMRO	50	S	1	X
BHCO	50	NE	4	X
NOCA	150	SE	1	T1
RBWO	75	NW	1	X
NOCA	75	N	1	T1
AMGO	20	SE	1	FLYOVER
AMRO	40	E	1	T1
RWBL	50	NW	1	X
EAPH	50	NE	1	T1
AMGO	20	W	2	FLYOVERS
ETTI	100	NE	1	T1
FISP	100	N	1	T1
RWBL	75	S	2	T1
HOLA	50	S	1	X
AMRO	75	N	1	T1
AMRO	50	NW	1	T1
NOCA	40	NW	1	T1
AMGO	30	SE	2	FLYOVER
REVI	40	NE	1	X

RED-EYED  
VIREO

ETTI	35	NW	1	T1
YRWA	40	NE	2	X
YRWA	60	N	2	X

Observer: HKO Start time: 1000 (military time) Stop time: 1010Point number: 07 Temp (°C): 17 Wind speed (m/s): 4<sup>E</sup> Cloud cover 10 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
CHSP	100	SE	2	T1
HOFI	75	SE	1	T1
RBWD	100	ENE	1	X
RWBL	200	SW	1	T1
UNWA#1	25	NW	1	X
RWBL	75	W	1	T1
HOLA	50	S	1	X
ETTI	100	NNW	1	T1
CHSP	60	W	1	T1
BGGN	15	NW	1	X
CHSP	5	N	1	X
RWBL	10	W	1	FLYOVER
AMGO	60	E	2	X
MODO	75	E	2	X
EUST	75	E	1	T1
GRCA	40	E	1	X
NOCA	60	E	1	T1
YRWA	40	ENE	1	X
XRWA	50	ENE	1	X
BWLWA	70	ENE	1	X
AMGO	30	E	2	FLYOVER
YRWA	60	E	1	X
RCKI	60	E	1	X

SEWF PG076

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+ 4 ENTRIES AT BOTTOM

Observer: HKO Start time: 716 (military time) Stop time: 726Point number: 13 Temp (°C): 9 Wind speed (m/s): 6 Cloud cover 5%

SEWF013

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SO SP	50	NW	1	
CHSP	75	SE	1	
MO DO	150	SE	1	
HOUSE WREN	20	W	2	
SO SP	30	S	1	
YEWA	30	W	1	
SO SP	80	SE	1	
ROSE-BREASTED GROSBEAK	50	W	1	
AMRO	60	W	1	
BALTIMORE ORIOLE	20	W	3	
NASHVILLE WARBLER	40	NW	2	
NAWA	40	NW	2	
BHCO	50	NW	1	
AMRO	10	W	1	
YWAR	20	W	1	
AMRO	60	NW	1	
BHCO	50	SW	1	
COGR	20	-W	1	FLYOVER
GREAT CRESTED FLYCATCHER	40	W	1	X
GCFL	40	W	1	X
NOCA	75	SW	1	T1
NOFL	60	W	1	X
NOCA	10	NW	1	T1
RWBL	10	SE	1	FLYOVER
UNIDENTIFIED SPARROW	30	NW	1	
UN SP	30	NW	1	
BGGN	30	SW	1	
HOLA	30	E	2	
EABL	80	SE	1	
BLTA	75	W	1	



## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 04-29-09Observer: HKO Start time: 645 (military time) Stop time: 655Point number: 16 Temp (°C): 9 Wind speed (m/s): 8KN Cloud cover 95%  
SEWf0110

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	60	E	1	T7
RWBL	5	NW-NE	7	T7
WODU	20	SE	2	FLYOVER
RBWD	30	NW	1	T7
EAME	40	NW	1	T7
BHCO	20	W	4	X
NOCA	60	SE	1	T7
WBNU		S	1	T7
NOCA	100	NE	1	T1
AMRO	10	SW	1	T7
RWBL	10	SE	1	FLYOVER
RWBL	30	NE	1	FLYOVER
MDDO	100	SW	1	T1
GBHE	40	NW	1	X
BHCO	50	NW	1	X
SOSP	30	N	1	T7
MDDO	40	SE	1	FLYOVER
SOSP	0	W	1	FLYOVER
COGR	150	NE	1	FLYOVER
COGR	20/50	NE	2	FLYOVERS
EAME	60	NW	1	T1

SEWFP078

### BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS, MIGRATION Date: 04-30-09

Observer: HKO Start time: 835 (military time) Stop time: 845

Point number: 02 Temp (°C): 15 Wind speed (m/s): 2 Cloud cover: 00%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RWBL	VARIOUS	SE → SW	12	ON TERRITORIES
AMRD	50	W	1	X
EAPH	40	NE	1	TI
AMGO	30	W	2	X
CHSP	40	W	1	TI
EAME	35	S	1	X
AMCR	80	S	1	X
ETTI	40	N	1	TI
AMCR	50	S	1	X
BHCO	25	E	1	X
AMGO	50	E	1	TI
AMGO	70	E	1	X FLYOVER
CAGO	150	SE	1	X
BHCO	20	NE	2	X FLEW IN
BHCO	5	SE	2	X FLEW IN
BRTH	60	SW	1	TI
FISP	50	W	1	TI
HOME	40	S	1	X ON POND

HOODED  
MELTANSE

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 04-30-09Observer: HKO Start time: 635 (military time) Stop time: 645Point number: 03 Temp (°C): 12 Wind speed (m/s): 3 <sup>14W</sup> Cloud cover 101 %  
SA WF003VESPER  
SPARROW

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
VESP	3	S	1	T1
EAPH	5	S	2	T7
FISP	100	W	1	T7
AMRO	20	S	1	X
SOSP	15	S	1	T1
RWBL	60	N/NE	2	T7
RTHA		NW	1	X
BAEA	200	E	2	ON PERCH
PAWA	5	E	1	X
EAME	65	N	1	X
YRWA	20	E	1	X
ETTI	75	SE	1	T7
RBWD	100	S	1	X CALLING
CHSP	35	S	1	T1
BAOR	50	SE	1	X
UNPA#1	30	E	1	WARBLER
KILL	40	NE	1	T1
AMRO	100	W	1	T1
BGGN	40	S	2	X
UNPA#2	75	NE	1	SPARROW

59WFP9080

Observer: HKO Start time: 747 (military time) Stop time: 757

Point number: 04 Temp (°C): 15 Wind speed (m/s): 2 Cloud cover: 100%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
ETTI	20	S	1	T1
SOSP	30	W	1	T1
EATO	30	N	1	T1
RHWO	50	S	1	X
RTHA	50	S	1	PERCHED, THEN FLEW SOUTH X
BLJA	40	W	1	X
TUVU	60	W	1	X
EUST	50	E	1	T7
RHWO	70	W	1	X
KILL	30	NE	1	X, FLYOVER
RWBL	20	NW	1	FLYOVER
AMGO	50	E	2	X
RHGO	40	SW	1	X
BHCO	30	W	1	X
HOWR	100	W	1	T1
RWBL	10	NW	3	FLYOVER
YRWA	50	NW	1	X
EAPH	40	E	1	T1
BLJA	50	W	1	X
AMCR	60	NW	1	X
EUST	30	SE	1	T7
EUST	30	S	1	T7
BLJA	25	E	1	FLYOVER

SEE PAGE 2

Observer: HKO Start time: SEE PAGE 1 (military time) Stop time: \_\_\_\_\_

Point number: 04 Temp (°C): \_\_\_\_\_ Wind speed (m/s): \_\_\_\_\_ Cloud cover \_\_\_\_\_ %  
Scut

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SCWAPg 081

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## BIRD SURVEY FORM

Project Name: SENECA W.F. Survey type: PASS. MIGRATION Date: 04-30-07Observer: HKO Start time: 820 (military time) Stop time: 830Point number: 01 Temp (°C): 15 Wind speed (m/s): 2 Cloud cover: 00%

SCWAPg 081

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
ETTI	50	E	1	
BHCO	50	W	2	
NOCA	50	SW	1	
WO TH	40	N	1	
YRWA	70	SW	3	
HOWR	60	SE	1	
AMRO	30	E	1	
ETTI	30	N	1	
NOCA	40	SE	1	
AMGO	15	S	1	FLYOVER
AMGO	40	E	2	
AMRO	60	W	1	
BLJA	50	N	1	
RWBL	100	W	4	
AMGO	35	W	2	
DOWO	30	N	1	
BHCO	30	E	2	
AMCR	50	W	1	
RWBL	40	SW	1	FLYOVER
BLJA	40	W	1	X
SOSP	40	E	1	

AMRO 60 SE 2  
YRWA 20 S 2

WOOD  
THRUSH

SEWFP082

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## BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS. MIGRATION Date: 04-29-09Observer: HKO Start time: 745 (military time) Stop time: 755Point number: 12 Temp (°C): 10 Wind speed (m/s): 5 Cloud cover 100%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	15	SSE	1	T7
AMCR	75	S	1	X
HOWR	30	NW	1	X
BHCO	15	S	2	X
BHCO	30	W	1	X
ETTI	40	N	1	T7
BRTH	20	NW	1	T7
AMRO	100	SW	1	X
NOFL	100	SW	1	X
NCCA	75	S	1	T1
RBWD	100	NW	1	T1 COUNTER CALLING
RBWD	80	NE	1	T1
FISP	60	SW	1	T1
ETTI	75	SE	1	
BLJA	0	S	2	FLYOVERS
AMCR	5	NW	1	FLYOVER
BGGN	30	N	1	
YRWA	30	NW	4	
RBWD	50	SW	1	
AMGO	30	NW	2	FLYOVERS
ETTI	40	SW	1	COUNTERSINGING

SEE PAGE 2

Observer: HKO Start time:            (military time) Stop time:           

Point number: 12 Temp (°C):      Wind speed (m/s):      Cloud cover      %

[illegible]



52Wf08084

Observer: HKO Start time: 737 (military time) Stop time: 747

Point number: 04 Temp (°C): 11 Wind speed (m/s): 1 Cloud cover 25%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	20-50	E	5	COUNTERSINGING TI
HDWR	5	S	1	TI
EUST	20	NE	1	OS
BLJA	40	E		X
HDWR	50	SW	1	TI
BLJA	80	S	1	X
COGR	15	E	2	X FLYOVERS
RHWB	60	S	1	OS
ETTI	30	S	1	TI
EUST	35	E	1	OS
CHSP	5	S	2	TI
BCCH	40	SW	1	TI
BHCO	40	W	2	TI
AMCR	100	N	1	X
UNID WOODPECKER	75	NW	1	X
RWBL	5	W	3	FLYOVER
ETTI	50-80	NW/SW	3	COUNTERSINGING
WOTH	50	SW	1	X
RHWB	70	W	1	OS
SO SP	40	NW	1	TI
AMGO	30	W	1	X FLYOVER
}	}	}	}	
}	}	}	}	

SEWF-PJ085

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-05-09Observer: HKO Start time: 705 (military time) Stop time: 715Point number: 01 Temp (°C): 8 Wind speed (m/s): 2 Cloud cover 30 %  
CAW & COX

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
ETTI	40	N	2	T7 COUNTERSINGING
EAPH	50	W	1	T1
NOCA		SW	1	T1
WTSP	40	W	1	X
SOSP	50	SE	1	T1
HOWR	40	SE	1	T1
WBNU	10	S	1	X
COGR	30	NW	1	FLYOVER
EAPH	30	S	1	T1
AMRO	50	E	1	X
UNPA#1	40	W	2	X
NOCA	50	E	1	T1
RWBL	100	W	1	FLYOVER
AMGO	40	SW	2	X
BHCO	70	W	2	X
ETTI	80	W	2	T7
BLJA	60	E	2	X
AMCR	100	E	2	X
SCTA	50	SE	1	X
DOWD	60	SE	1	OS
SOSP	90	W	1	T1

RWBL	50	SW	1	FLYOVER
SOSP	30	SE	1	T1
BLJA	60	N	1	X
AMGO	30	SE	1	X
RBWD	50-80	SE/N/NW	3	COUNTERCALLING
ETTI	100	SE	1	T1

SEWf2086

Observer: HKO Start time: 800 (military time) Stop time: 810Point number: 03 Temp (°C): 13 Wind speed (m/s): 1 Cloud cover 25%  
SEWf003

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
NOFL	10	S	1	X
AMRO	8	S	1	X
FISP	70	S	1	T7
AMGO	50	S	2	X
MO DO	20	NE	2	FLYOVER
NOCA	125	NW	1	T1
BHCO	15	S	2	X
SOSP	50	N	1	T1
RWBL	80 → 100	W → NE	5	ON TERRITORIES
EAME	100	WNW	1	T1
COGR	40	NW	1	FLYOVER
HOLA	SW → NW	W	3	OS
SOSP	80	NW	1	T1
DOWO	20	S	2	X
BAOR	20	S	1	X
WOTH	100	E	1	T1
BRTH	100	W	1	T1
RBWD	100	SE	1	T7
SCTA	80	SE	1	X
WOTH	60	S	1	T1

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-05-09

Observer: HKD Start time: 639 (military time) Stop time: 649

Point number: 02 Temp (°C): 8 Wind speed (m/s): 0 Cloud cover 30%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	25	S	2	X
CHSP	60	W	1	T1
AMRO	70	SW	1	T1
BARS	5	S	6	X
AMGO	40	E	2	T1
RWBL	50-70	S	3	T7
WOTH	100	NW	1	X
BHCO	20	E	3	X
EAME	80	S	1	T7
MALL	150	E	1	FLYOVER
SOSP	60	E	1	T1
FISP	60	E	1	T7
EAME	150	SE	1	T7
RBWO	100	NE	1	X
RWBL	70	NE	2	FLYOVERS
AMRO	60	E	1	T1
BHCO	10	W	1	FLYOVER
AMCR	100	E	1	X
CAGO	20	S	2	X
AMGO	80	E	2	T1 COUNTERSINGING
AMCR	100	W	1	FLYOVER

SCTA 30

NE

1

X

SOSP 50

S

1

T1

GRHE 100

S

1

X ON BANK OF POND

GREEN HERON

SEWfP2088

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+1 ENTRY @ BOTTOM

## BIRD SURVEY FORM

Project Name: SENECA W/F Survey type: PASS MIGRATION Date: 05-04-09Observer: HKO Start time: 910 (military time) Stop time: 920Point number: 12 Temp (°C): 13 Wind speed (m/s): 1 Cloud cover: 100 HAZE  
SEWf012

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
NOCA	40	N	1	T7
BRTH	15	N	1	T7
GRCA	50	N	1	X
AMRO	50	S	1	T1
BLJA	40	N	1	X
RWBL	50	W	2	T1
FISP	75	S	1	T1
CHSP	25	W	2	T1
BAR5	20	W	1	X FLYOVER
HOWR	100	W	1	T1
SOSP	50	S	1	T1
RWBL	100	W	1	X FLYOVER
AMRO	100	SW	1	T1
ETTI	100	N	1	T1
AMGO	75	E	2	X
RWBL	30	SW	2	FLYOVERS
SOSP	80	E	1	T1
CAGO	125	S	1	X
BHCO	20	W	1	X
BHCO	30	NE	1	X
BGGN	40	N	1	X
MOJO	150	W	1	X



SEWFP090

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+ 1 ENTRY @ BOTTOMObserver: HK0 Start time: 718 (military time) Stop time: 728Point number: 08 Temp (°C): 8 Wind speed (m/s): 1<sup>E</sup> Cloud cover 100%

SEWFP008

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RWBL	200	SE	1	X
KILL	200	SE	1	X
AMCR	125	SW	2	X
NOCA	100	N	1	T7
AMGO	40	N	1	X
BLJA	75	N	1	X
BHCO	20	NE	1	X
KILL	150	SW	1	X
CAGO	200	N	2	X
RBWD	50	NW	1	X
AMRO	50	NW	1	T1
NOFL	25	W	2	VS
AMGO	30	NE	1	X
NOCA	45	NW	1	COUNTER SINGING T1
BLJA	40	W	1	X
NOCA	10	N	2	T1
COGR	30	W	1	FLYOVER
BLJA	150	NE	2	1
RWBL	100	SE	4	X
AMRO	40	E	1	X
EPME	75	W	1	T1
HOLA	30	S	6	T1
NOBO	25	NE	1	T1
BHVI	20	NE	1	X

NORTHERN  
BOBWHITE

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-04-09Observer: HKO Start time: 658 (military time) Stop time: 708Point number: 07 Temp (°C): 7 Wind speed (m/s): 1 Cloud cover 100 %  
SEW-007

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	100	N	1	X
AMGO	30	S	2	X
CHSP	1	S	2	T7
EAPH	60	E	1	T7
AMGO	30	N	1	X
ETTI	75	N	1	T1
MODD	150	NE	1	T1
BHCO	10	NE	1	X
YRWA	2	N	2	X
TEWA	20	N	1	X
NOCA	100	E	1	T1
NOFL	75	N	1	X
PAWA	20	NW	1	X
COGR	30	W	1	FLYOVER
CHSP	20	NW	2	X
YRWA	25	NW	1	X
RWBL	60	NW	1	X
BLJA	75	W	1	Flyover
PAWA	50	W	1	X
YRWA	50	W	2	X
}	}	}	}	

TENNESSEE  
WARBLER



SEWFP092

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-04-09Observer: HKD Start time: 635 (military time) Stop time: 645Point number: 17 Temp (°C): 8 Wind speed (m/s): 0 Cloud cover 100%

SEWFP092

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
CHSP	15	NE	1	TI
AMRO	50	S	1	TI
BHCO	2	W	2	X
BHCO	10	NE	4	X
AMRO	60	NW	1	TI
EAME	50	E	1	X
RBWO	100	W	1	X
AMGD	30	NW	1	X
FISP	100	NE	1	TI
WOTH	100	W	1	X
WBNU	40	SW	1	X
NOOR	3	W	1	X
UNPA#1	5	SE	1	FLYOVER
YRWA	20	WNW	1	X
NOFL	125	W	1	X
RWBL	100	SE	1	X
BGGN	20	W	1	X
BGGN	3	W	1	X
BLJA	15	N	1	X
SO SP	30	NW	1	X
AMGD	25	NW	2	X
COGR	5	SE	4	FLYOVERS

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Observer: HKO Start time: 850 (military time) Stop time: 900

Point number: 13 Temp (°C): 12 Wind speed (m/s): 2 Cloud cover 100 %

5/11/03

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SEufpy094

Observer: HKO Start time: 820 (military time) Stop time: 830

Point number: 18 Temp (°C): 11 Wind speed (m/s): 2 E Cloud cover 100%  
62W4018

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
CHSP	30	SW	1	TI
AMCR	25	W	1	X
AMRO	100	NE	1	TI
RWBL	100	S	9	TI & X
COGR	125	SW	3	TI
RBWS	20	E	1	FLYOVER
BHCO	50	W	1	X
RWBL	40	W	2	X
VEER	35	SW	1	X
NDFL	75	N	1	TI
AMGO	60	NE	2	X
UNPA#1	50	N	3	FLYOVERS
WOTH	65	W	1	X
BHCO	40	NW	2	X
CHSP	80	N	1	TI
BCCH	30	NW	2	X
ETTI	50	NW	1	TI
CAGO	100	W	2	OS
WBNU	60	NW	1	TI

VEERY

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 05-04-09

Observer: HKO Start time: 755 (military time) Stop time: 805

Point number: 16 Temp (°C): 11 Wind speed (m/s): 1 <sup>E</sup> Cloud cover 100 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
EAME	50	N	1	T7
BHCO	15	NW	3	X
AMRD	25	E	2	T1
COGR	30	NE	1	FLYOVER
YWAR	30	E	1	T1
RWBL	VARIOUS	NE → NW	12 MALES	T1 ON TERRITORIES
TRES	20	N	1	FLYING OVER CREEK
AMGO	20	N	1	X
SOSP	20	N	1	T7
CHSP	10	N	1	T1
AMCR	200	W	1	OS
COGR	35	SW	1	FLYOVER
NOFL	150	SE	1	OS
SOSP	75	E	1	T1
BLJA	40	NW	1	X
NOCA	15	W	2	T1
AMGO	10	S	1	X
RWBL	100	NW	2	FLYOVER
BLJA	75	SE	1	X
CHSP	35	NE	1	T1
KILL	25	NE	1	X

TEWA 15 SE 1 X  
GRCA 25 S 1 X  
EUST 75 NE 1 XFLYOVER

TREE SWALLOW

Sewt pg 096

Observer: HKO Start time: 1001 (military time) Stop time: 1011Point number: 09 Temp (°C): 17 Wind speed (m/s): 2 <sup>E</sup> Cloud cover 100 <sup>HAZE</sup>%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BGGN	20	W	1	X
BGGN	15	S	1	X
TUVU	75	S	3	X FLYOVER
WODU	100	S	1	OS
RWBL	50	S	1	OS
FISP	60	E	1	TI
AMGO	40	E	2	X
RHWD	50	E	1	OS
NOCA	60	NE	1	TI
YWAR	20	NE	1	X
RHWD	40	N	1	OS
AMRD	75	NE	1	TI
KILL	100	E	1	X
SOSP	60	SE	1	TI
HOSP	50	E	2	X
YWAR	40	SE	2	TI COUNTER-SINGING
AMGO	30	N	2	X
COGR	15	S	1	X FLYOVER
NOCA	80	NW	1	TI
AMGO	40	SW	2	X
COGR	25	S	1	X FLYOVER
ETTI	60	N	1	TI
EVST	25	NE	1	OS
COGR	10	SW	3	FLYOVER X

Swamp 097

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 05-04-09

Observer: HKO Start time: 937 (military time) Stop time: 947

Point number: 11 Temp (°C): 13 Wind speed (m/s): 5 Cloud cover: 100% HAZE

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
TUVU	60	N	2	X FEEDING ON ROAD
RBWD	30	NE	1	TI COUNTER-CALLING
AMRO	5	E	2	TI
RBWD	70	SW	1	TI
BHCO	50	SW	1	X
YEWA	40	SW	1	TI
FLSP	15	W	2	X
WCSP	25	SW	2	X
EUST	2	W	3	X FLYOVERS
NOCA	20	E	1	TI
PIWD	0	E	1	OS
WBNU	20	NE	1	TI
BCCH	30	SE	2	TI
EUST	40	SE	2	TI
AMRO	30	SE	2	TI
GCFL	45	SE	1	X
SOSP	45	SW	1	TI
RWBL	20	SW	1	TI
ETTI	40	SW	1	TI
AMCR	100	NW	1	X
RWBL	VARIOUS	SW → NW	12	TI IN FIELD

RWBL 70 SW 2 TI  
AMGO 20 W 1 X  
AMGO 40 NE 2 X  
EATO 35 SW 1 TI

WHITE-CROWNED SPARROW

GREAT-CRESTED FLYCATCHER

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-04-09Observer: HKO Start time: 1050 (military time) Stop time: \_\_\_\_\_Point number: 05 Temp (°C): 17 Wind speed (m/s): 5 <sup>N</sup> Cloud cover 100 <sup>HAZE</sup>  
SEWF005

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	30	S	1	X
RWBL	20	SW	1	T1
ETTI	30	NE	1	T7
SOSP	2	SW	1	T1
AMGO	40	E	4	X
RWBL	100	SW	1	T1
BHCO	30	SW	4	X
SOSP	40	E	1	T1
WBNU	3	N	1	T7
CHSP	5	W	1	X
COYE	25	E	1	X
FISP	100	N	1	T1
HOWR	40	W	1	X
RWBL	10	NW	1	T7
EAPH	60	NW	1	T1
BLJA	100	W	1	X
RWBL	75	NW	1	T1
TRES	0	—	2	X FLYOVERS
FISP	80	E	1	T1

TREE SWALLOW

SEWFP 100

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS, MIGRATION Date: 05-11-09

Observer: HKO Start time: 630 (military time) Stop time: 640

Point number: 09 Temp (°C): 9 Wind speed (m/s): 1 Cloud cover 75%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	100+	W	1	OS
EUST	50	E	1	OS
RHWO	60	NE	1	OS
RHWO	70	SW	1	OS
NOCA	60	E	1	T7
SCTA	30	N	1	X
EUST	30	W	1	OS
VEER	70	N	1	X
VEER	30	SW	1	X
BRTH	40	E	1	T7
HOWR	25	NE	1	T1
GRCA	30	E	1	X
COGR	45	NE	1	FLYOVER
EUST	30	NE	1	OS
RWBL	45	SE	1	OS
HOWR	50	SE	1	T1
GRCA	40	NE	1	X
BHCO	35	SE	1	X
CAGO	125	N	2	OS
NOCA	45	W	1	T1
AMCR	100	S	1	OS

GRAY  
CATBIRD





SEWFP 101

Observer: HKO Start time: 757 (military time) Stop time: 806Point number: 12 Temp (°C): 11 Wind speed (m/s): 1 Cloud cover 21%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
NOCA	35	SW	1	T1
EATO	30	W	1	T1
BAOR	25	SE	1	X
BLUE-WINGED WARBLER BWWA	25	SE	1	X
GCFL	30	SE	1	X
GRCA	30	SE	2	X
BLJA	100	N	2	X
YWAR	20	W	1	X
CHSP	30	W	1	T1
AMRO	35	W	1	T1
REVI	30	W	1	X
REVI	15	N	1	X
SOSP	30	E	1	T1
INBU	20	NW	2	X
NOCA	20	NW	2	T1
GRCA	40	NW	1	T1
BGGN	30	N	1	X
GRCA	30	N	1	T1
COGR	35	N	1	FLYOVER
NASHVILLE WARBLER NAWA	30	N	1	X
CANADA WARBLER CAWA	30	N	1	X
INBU	20	E	1	X
AMRO	50	S	1	T1
EUST	50	N	1	FLYOVER

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-11-09

Observer: HKO Start time: 731 (military time) Stop time: 741

Point number: 11 Temp (°C): 10 Wind speed (m/s): 1 Cloud cover 75%  
Seneca

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SDSP	30	S	1	T1
RBWD	70	E	1	T1
RWBL	5→150	N→SW	16	T1
EUST	5	E	1	OS
GRSP	35	W	1	T1
BAOR	40	S	1	X
YWAR	40	S	1	T1
EUST	30	SE	1	OS
BRTH	35	SE	1	T1
CHSP	40	S	1	T1
NOCA	50	SW	2	T1
EATO	45	SW	1	T1
GRCA	45	SW	1	X
COYE	50	SW	1	T1
ETTI	65	S	1	T1
GBHE	40	N	1	FLYOVER
EUST	45	S	1	CF
SDSP	5	S	1	T1
RWBL	40-60	S→SW	4	T1

GRASSHOPPER SPARROW

COMMON YELLOWTHROAT

Observer: HKO Start time: 812 (military time) Stop time: 822Point number: 17 Temp (°C): 14 Wind speed (m/s): 2 Cloud cover 90%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	10	N	1	T1
AMGO	15	NE	4	X
GRCA	10	SE	1	X
XWAR	10	E	2	X
BHCO	5	N	1	X
EAME	70	S	1	T1
COGR	0	E	1	X FLYOVER
WBNH	70	N	1	T1
REVI	50	W	1	X
SOSP	30	W	1	T1
HOWR	40	SW	1	T1
BHCO	30	SW	1	X
WOTH	100	W	1	X
BLJA	80	N	1	X
CSWA	15	SW	1	X
RBWD	100	NW	1	OS
KILL	30	E	1	OS
DOWO	30	N	1	OS
SOSP	40	N	1	OS
WTSP	60	W	1	X
AMRO	40	W	1	T1
GCFL	40	W	1	X
RWBL	60	SE	1	OS
CHSP	20	S	1	OS

Swf 104

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS Date: 05-11-09

Observer: HKO Start time: 656 (military time) Stop time: 706

Point number: 18 Temp (°C): 9 Wind speed (m/s): 0 Cloud cover 80 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RWBL	70 - 150	E → SW	10	T1 TERRITORIAL
CAGU	100	N	2	OS
COGR	75	S	2	OS
BARS	100	SW	1	X
COGR	200	E	4	OS
LEFL	40	W	1	X
BRTH	30	W	1	T1
BLJA	150	NE	1	X
BCCH	100	SW	1	T1
HOWR	35	W	1	T1
WBNU	50	W	1	OS
WAVI	0	S	1	X
BHCO	50	W	5	X
GCEFL	75	NW	1	X
EAME	150	S	1	T1
UNPA#1	60	NW	1	X
COGR	30	N	2	FLYOVERS
ETTI	75	NW	1	T1
UNSP#1	30	SW	2	X
RBLW	100	N	1	OS
GRCA	30	W	1	T1
AMPO	20	S	1	X

BARN SWALLOW

LEAST FLYCATCHER

WARBLING VIREO

GREAT CRESTED FLYCATCHER

UNIDENTIFIED SPARROW

GRAY CATBIRD

SEWFPg105

+3 @ BOTTOM

Observer: HKO Start time: 955 (military time) Stop time: 1005Point number: 08 Temp (°C): 15 Wind speed (m/s): 2 Cloud cover 80%

SEWFPg1058

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
FISP	30	E	1	
NOCA	100	E	1	
BLTA	60	N	1	
RWBL	100	SW	1	
RWBL	10-60	E	5	FLYOVERS
ETTI	50	N	1	
HOLA	60	S	1	
AMRO	10	N	1	X
AMRO	50	NW	1	
NOCA	40	N	1	
HOWR	40	E	1	
RWBL	30	W	1	
BHCO	25	W	1	
AMGO	40	E	1	
RBWD	50	NE	1	
EATO	50	NE	1	
BOCH	60	N	1	77
WBNH	80	N	1	
MODO	70	E	1	
AMGO	60	NW	2	
BHCO	40	NE	1	
GRCA	70	NW	1	
NOCA	30	E	1	
RWBL	60	E	1	
COGR	30	SE	3	FLYOVERS
SWTH	20	W	1	

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-11-09Observer: HKO Start time: 939 (military time) Stop time: 949Point number: 07 Temp (°C): 16 Wind speed (m/s): 4 Cloud cover 95%  
SEWFCO7

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
MODO	100	E	1	T1
RBWO	70	NE	1	OS
AMGO	50	W	3	X
AMGO	20	S	1	X
GBHE	50	NE	1	FLYOVER
REVI	40	W	1	X
BHCO	50	E	1	X
CHSP	60	E	2	T1
EAPH	50	E	1	T1
NOCA	30	NE	1	T1
NOCA	40	E	1	T1
CHSW	30	W	2	X FLYOVERS
FISP	50	NW	1	T1
HOLA	50	S	2	OS
TUVU	200	W	1	X
BHCO	100	W	5	X
RWBL	30	S	1	OS
AMCR	80	N	1	X
COGR	20	NW	2	FLYOVER
RBWO	60	N	1	OS
BLJA	50	NW	1	X

CHIMNEY  
SWIFTS

SEWFA 107

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-11-09Observer: HKO Start time: 1023 (military time) Stop time: 1033Point number: 06 Temp (°C): 14 Wind speed (m/s): 4 Cloud cover 90 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BGGN	10	NW	1	
FISP	20	S	1	
NOCA	30	S	1	
FISP	50	E	1	
TOYU	20	N	2	FLYOVERS
AMRO	40	E	1	
INBU	30	NE	1	
BHCO	30	N	1	
NOCA	20	N	1	
GRCA	30	NE	1	
RBWD	100	NW	1	
BCCH	40	NE	1	CF
GRCA	30	SE	4	
REVI	50	NE	1	
BGGN	50	NE	1	
PIWD	100	W	1	
HOWR	50	E	1	
CAGO	150	N	2	



Observer: HKO Start time: 1045 (military time) Stop time: 1055

Point number: 05 Temp (°C): 15 Wind speed (m/s): \_\_\_\_\_ Cloud cover 90 %

SEWTP

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
INBU	30	SW	1	X
SOSP	30	SW	1	T1
AMRO	20	W	1	T1
BHCO	30	W	1	X
COYE	20	NW	1	X
WBNU	20	W	1	T7
CHSP	20	NW	1	T1
BARS	0	—	1	FLYOVER
AMCR	100	N	1	X
CHSP	2	N	2	CM
HOWR	20	N	1	T1
ETTI	30	SW	1	T1
ETTI	80	SW	1	T1
ETTI	120	E	1	T1
AMGO	80	S	2	X
AMRO	30	E	1	T1
BLJA	0	W	1	X
GRCA	2	NE	1	X
BEKI	40	NE	1	OS
LEFL	30	NE	2	X
LEFL	20	SW	1	X

BARN

SEWFB 109

### BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS, MIGRATION Date: 05-11-09

Observer: HKO Start time: 819 (military time) Stop time: 829

Point number: 13 Temp (°C): 12 Wind speed (m/s): 8 <sup>N</sup> Cloud cover 85%

SEWFB 13

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
WCSP	0	—	2	X
YWAR	20	SW	1	T1
SOSP	30	N	1	T7
ETTI	60	NW	1	T7
AMGO	20	NW	2	X
NOCA	50	NW	1	T1
AMGO	10	W	2	X
REVI	60	W	1	X
RHWD	30	W	2	OS
BAOR	30	NW	1	X
WBNU	30	SW	1	OS
INBU	30	NW	3	X
INBU	50	SW	2	X
YRWA	70	W	1	X
SOSP	40	SW	1	T1
KILL	50	S	1	T1
AMRO	10	W	1	T1
AMGO	20	SE	2	X
GRCA	30	SE	1	X

SEWING 10

Observer: HKO Start time: 845 (military time) Stop time: 855

Point number: 16 Temp (°C): 14 Wind speed (m/s): 2 <sup>NE</sup> Cloud cover 90%  
SEWING

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
TUVU	15	W	1	X FEEDING-POOR
AMCR	30	SW	2	X
RWBL	40-150	NW→NE	12	T7 TERRITORIES
NOCA	10	W	1	T7
AMGO	40	N	2	X
EAME	50	NW	1	T7
WODU	50	N	1	X
EAPH	20	W	1	T7
NOCA	40	E	1	T1
YWAR	20	E	1	X
BGGN	10	SE	1	X
AMGO	30	NE	2	X
WAVI	40	SE	1	X
UNSP#	50	N	1	X
TRES	50	N	1	X
COGR	15	NW	1	X
CHESTNUT-SIDED WARBLER CSWA	60	E	1	X
COGR	40	N	4	FLYOVERS
INBU	5	S	1	X
AMRO	100	E	1	T1
AMRO	40	SW	1	T1
BLJA	20	SE	1	X
COGR	40	W	1	FLYOVER
SOSP	50	NW	1	T1

BIRD SURVEY FORM

Project Name: SENECA W/F Survey type: PASS. MIGRATION Date: 05-12-09

Observer: HKO Start time: 656 (military time) Stop time: 706

Point number: 02 Temp (°C): 5 Wind speed (m/s): 1 Cloud cover 0 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
CAGO	40	S	9	OS ON POND
GBHE	35	SW	1	X
RWBL	50 → 200	SE → S	14	T1 ON TERRITORIES
SOSP	40	E	1	T1
MODD	100	S	1	OS
AMCR	40	E	1	X FLYOVER
AMRO	70	E	1	T1
BHCO	40	E	1	X
AMGO	40	NE	2	X
EAME	50	S	1	T1
AMGO	0	—	1	X FLYOVER
CHSP	5	E	1	T1
AMGO	25	E	1	X
EAME	75	SW	1	T1
RTHU	5	W	1	X
AMGO	20	W	2	X
BGGN	30	W	1	X
BHCO	150	W	3	X
ROPI	100	W	3	OS FLYOVERS
BLJA	15	W	1	X
AMCR	100	E	2	X

CHSP 70 W 2 T1  
AMRO 80 W 2 OS

RUBY-THROATED HUMMINGBIRD

ROCK PIGEON

SENECA W/F

Swamp 112

Observer: HKO Start time: 712 (military time) Stop time: 722

Point number: 01 Temp (°C): 6 Wind speed (m/s): 1 Cloud cover 0%

EASTERN Wood-PEWEE

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
REVI	45	S	1	X
NOCA	70	W	1	TI
BLJA	100	N	1	X
EWPE	70	S	1	X
GCFL	40	S	1	X
EWPE	60	N	1	X
AMGO	30	E	2	X
BLJA	60	W	1	X
ETTI	70	N	1	TI
INBU	65	W	1	X
BLJA	80	W	1	X
WBNU	50	SW	1	TI
BLJA	100	S	1	X
NOFL	100	NW	1	OS
BLJA	50	N	1	X
WBNU	30	N	1	TI
UNPA#1	50	SW	1	X
MODD	80	W	1	OS FLYOVER
ETTI	50	NW	1	TI
BLJA	60	SW	1	X
SOSP	70	W	1	TI
}	}	{	}	
}	}	{	}	

SEWFPg 113

+4@ BOTTOM

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 05-12-09Observer: HKO Start time: 742 (military time) Stop time: 752Point number: 04 Temp (°C): 7 Wind speed (m/s): 1 Cloud cover 0 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
HOWR	15	SE	1	T7
KILL	75	W	1	DS
AMRO	50	SE	1	T1
RBWO	40	E	1	OS
AMRU	50	SW	1	T1
RHWO	50	S	1	T7
SDSP	40	E	1	T1
RHWO	60	E	1	T7 COUNTERDRUMMING
BHCO	40	W	3	X
WBNU	45	SE	1	T1
AMGO	20	S	1	X
AMGO	30	N	1	X
OVEN	75	S	1	X
RHWO	75	SE	1	T7
NOCA	50	W	1	T1
AMRO	75	NE	2	T1
RHWO	50	W	1	T7
CHSP	50	W	1	T1
AMRU	100	NW	1	T1
GRCA		NW	1	X
EAKI	75	NW	1	X

AMGO	80	NW	2	X
INBU	60	SW	1	X
EUST	100	SW	3	DS
REVI	40	SW	1	X

Observer: HKO Start time: 907 (military time) Stop time: 917Point number: 03 Temp (°C): 9 Wind speed (m/s): 3 <sup>W</sup> Cloud cover 0%  
SEWFPg114

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
FISP	75	SSW	1	T7
REVI	40	SE	1	X
BAOR	30	E	1	X
NOFL	5	S	2	OS
NRWS	5	NE	3	X
RWBL	150 - 75	NW-NE	3	T1
BGGN	5	S	1	X
BARS	25	E	1	X
SOSP	30	S	2	CC
BRTH	100	W	1	T7
AMRO	100	W	1	T7
REVI	70	SE	1	X
RBWD	100	SE	1	OS
UNPA#1	50	SE	2	X FLYING IN TREE TOPS
INBU	35	SE	1	X
AMCR	150	E	2	X
SCTA	75	SE	1	X
REVI	80	ESE	1	X
UNPA#2	75	SE	1	X
AMRO	10	S	2	T7
}	}	}	}	
}	}	}	}	
}	}	}	}	

SEWFPg115

### BIRD SURVEY FORM

Project Name: SENECA WF Survey type: <sup>PASS.</sup> MIGRATION Date: 05-19-09

Observer: HKO Start time: 906 (military time) Stop time: 916

Point number: 01 Temp (°C): 14 Wind speed (m/s): 20<sup>5</sup> Cloud cover 20%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BAOR	30	NW	1	X
REVI	45	SW	1	X
HOWR	30	SE	1	T1
RBWO	50	NW	1	OS
ETTI	30	SE	1	T7
BLJA	45	N	1	X
BLJA	10	N	1	X
AMCR	100	NE	1	OS
ETTI	20	N	1	T7
SOSP	100	E	1	T1
BHCO	40	SE	1	X
EAWP	60	NW	1	X
NOCA	60	NE	1	T1
AMGO	20	N	2	X
AMGO	50	E	1	X
CHSW	25	NE	2	X FLYOVERS
EAPH	50	SE	1	T7
BTGW	70	SE	1	X
RBWO	50	NE	1	OS
GRCA	45	NE	1	X
RTHU	40	SE	1	X

BLACK-THROATED  
GREEN WARBLER





SEWFP 06117

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PAGES FOR  
SCANNING

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-19-09

Observer: HRD Start time: 906 (military time) Stop time: 916

Point number: 01 Temp (°C): 14 Wind speed (m/s): 20<sup>S</sup> Cloud cover 20%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BAOR	30	NW	1	X
REVI	45	SW	1	X
HWR	30	SE	1	T1
RBWO	50	NW	1	OS
ETTI	30	SE	1	T7
BLJA	45	N	1	X
BLJA	10	N	1	X
AMCR	100	NE	1	OS
ETTI	20	N	1	T7
SOSP	100	E	1	T1
BHCO	40	SE	1	X
EAWP	60	NW	1	X
NOCA	60	NE	1	T1
AMGO	20	N	2	X
AMGO	50	E	1	X
CHSW	25	NE	2	X FLYOVERS
EAPH	50	SE	1	T7
BTGW	70	SE	1	X
RBWO	50	NE	1	OS
GRCA	45	NE	1	X
RTHU	40	SE	1	X

BLACK-THROATED  
GREEN WARBLER

DOWD	55	SE	1	OS
BLJA	45	S	2	X
RBWO	75	N	1	OS
SOSP	75	W	1	T1
ETTI	40	SW	1	T7
HWR	50	N	1	T1



SEWSP8119

Observer: HKO Start time: 652 (military time) Stop time: 702

Point number: 17 Temp (°C): 6 Wind speed (m/s): 0 Cloud cover 0 %

HOODED WARBLER

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
HOWA	10	S	2	X COUNTERSINGING
HOWR	75	NW	1	TI
RBWD	75	N	1	OS
SOSP	30	NE	1	TI
HOWR	30	SW	1	TI
AMRO	30	S	1	TI
HOWR	40	S	1	TI
BHCO	10	SE	2	X
CSWA	25	S	1	X
REVI	25	SW	1	X
EAME	50	SE	1	TI
ETTI	50	SW	1	TI
RBWD	60	NW	1	OS
UNWA#1	40	W	1	X
AMRO	40	N	1	OS
ETTI	10	NE	2	OS
AMGO	15	NE	3	X
BHCO	30	NE	1	X
BHCO	15	NE	1	X
KILL	40	E	1	TI
AMRO	30	N	1	TI
NOCA	50	N	1	TI
CHSP	25	NW	1	OS

UNIDENTIFIED  
WARBLER

UNPA#2

RWBL

15

80-150

S

S

1

2

X FLYING

TI ON TERRITORIES

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: <sup>PASS.</sup>MIGRATION Date: 05-18-09Observer: HKO Start time: 625 (military time) Stop time: 635Point number: 03 Temp (°C): 3 Wind speed (m/s): 0 Cloud cover 0 %  
SEWFPg120

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	40	N	2	T1
BCCH	50	SW	1	T1
SOSP	10	NW	2	T1
RWBL	80 → 100	NW → NE	4	T1 ON TERRITORIES
BRTH	100	NW	1	T1
NAWA	10	S	1	X
NOCA	80	SW	1	T1
RWBL	25	W	1	X FLYOVER
RBWO	100	SW	1	OS
CAGO	100	W	3	FLYOVERS
COGR	75	S	1	FLYOVER
BAOR	50	S	1	X
NOFL	75	W	1	OS CALLING
AMRO	100	S	1	T1
INBU	100	S	1	T1
REVI	15	S	1	X
SOSP	50	NW	1	T1
MODU	100	W	1	X FLYOVER

SEWFP0121

Observer: HKO Start time: 801 (military time) Stop time: 811

Point number: 13 Temp (°C): 6 Wind speed (m/s): \_\_\_\_\_ Cloud cover 0 %

SEWFP013

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
COGR	5	SE	1	X FLYOVER
BHCO	30	NW	1	X
SOSP	20	NW	1	OS
AMGO	35	E	2	FLYOVER
EUST	50	SE	1	X
AMCR	75	S	1	OS FLYOVER
EUST	60	S	9	X FARMER PLANTING
COGR	60	S	1	X BIRDS FEEDING
EWPE	30	NW	1	X
NOCA	40	SW	2	OS
REVI	50	NW	1	X
ETTI	60	W	1	TI
INBU	40	NW	1	X
AMRO	60	NW	1	TI
CHSP	40	NW	1	TI
REVI	60	SW	1	X
DOWD	60	NW	1	OS
INBU	50	SW	1	X COUNTER-SINGING
FISP	60	N	1	

SEWPS 122

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS Date: 05-18-09

Observer: HKO Start time: 726 (military time) Stop time: 736

Point number: 16 Temp (°C): 9 Wind speed (m/s): 0 Cloud cover 0 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RWBL	50→200	NW→NE	6	ON TERRITORIES
CSWA	50	W	1	T1
CHSP	50	WNW	1	T1
AMRO	30	WNW	1	OS
EUST	50	WNW	4	OS
SOSP	20	N	1	T7
NOCA	60	W	1	T1
UNPA#1	35	SW	1	X WARBLER? SINGING
GRCA	20	W	1	OS
INBU	30	W	1	X
BHCO	35	W	1	X
BHCO	25	NW	4	FLYING
BGGN	20	S	2	T1
BHCO	25	S	5	X
NRWS	15	E	2	X
CSWA	30	SE	1	X
EAME	100	NE	1	T7
MODU		NE	2	OS FLYOVER
RBWO	100	SE	1	T1
AMCR	100	SE	2	OS
WAVI	60	SE	1	T1

RWBL 40 S 3 FLYOVER  
SOSP 75 NE 1 T1

SEWAPg123

Observer: HKO Start time: 848 (military time) Stop time: 858

Point number: 11 Temp (°C): 7 Wind speed (m/s): 1 Cloud cover 0 %

SEWAPg123

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	75	S	1	OS
SOSP	15	E	1	T1
EVST	25	E	3	T7
RWBL	30 -200	W → NW	15	ON TERRITORIES
COYE	30	SW	1	X
RWBL	30	S	2	T7
BLJA	0	N	1	X
YWAR	30	S	1	
SOSP	40	W	1	T1
AMGO	40	S	2	X
SOSP	50	S	1	T1
AMCR	100	SW	1	OS
HOWR	60	SW	1	T1
AMGO	60	SE	2	X
REVI	80	SW	1	X
FISP	40	SW	1	T7
EVST	15	SE	2	CF
SCTA	75	S	1	X
EWPE	50	SW	1	X
ETTI	60	E	1	T1
ETTI	50	S	1	T1
EATD	75	E	1	T1
GBHE	80	NW	1	X FLYOVER
GRCA	50	W	1	X



**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS Date: 05-18-09  
MIGRATION

Observer: HKO Start time: 825 (military time) Stop time: 835

Point number: 12 Temp (°C): 8 Wind speed (m/s): 0 Cloud cover 0%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
ETTI	60	S	1	T7
REVI	40	ESE	1	X
BGGN	20	N	2	T1
GRCA	5	N	1	T1
RBWO	75	W	1	OS
RBWO	60	N	1	OS COUNTERSINGING
AMRO	100	W	2	T7
REVI	100	SE	1	X
MODD	100	S	1	X FLYOVER
RWBL	150	S	2	X FLYOVER 2
REVI	50	E	1	X
ETTI	40	NW	1	T7
BCCIT	50	NE	2	OS
WOTH	60	N	1	X
BLJA	10	W	1	X FLYOVER
CHSW	50	N	1	X FLYOVER
REVI	70	NW	1	X
BAOR	10	N	2	X
BHCO	40	SE	2	X
LEFL	60	E	1	X
}	}	}	}	

SEWFP0125

BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS Date: 05-18-09  
MIGRATION

Observer: HKO Start time: 913 (military time) Stop time: 923

Point number: 18 Temp (°C): 13 Wind speed (m/s): 1 Cloud cover 0 %  
SEWFP018

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
HOWR	50	NA	2	T1
RWBL	100	S	4	T1 ON TERRITORIES
BHCO	50	SE	1	X
INBU	10	N	1	X
AMGO	25	E	2	X
EUST	40	E	1	OS FLYOVER
AMGO	20	E	2	FLYOVER
RWBL	150	E	2	T1
CHSP	50	SW	2	T1
HOWR	80	N	1	T1
CAGO	150	N	2	X FLYOVER
RWBL	20	N	2	T1
KILL	90	N	1	T1
ETTI	100	N	1	T1
MODU	150	E	1	OS
RBWO	75	N	1	OS
RBGR	75	SW	1	
NOCA	60	SW	1	
GCFL	90	SW	1	
AMGO	100	SW	1	
HOWR	80	SW	1	
BAOR	90	SW	1	

SEWF 126

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-19-09

Observer: HKU Start time: 625 (military time) Stop time: 635

Point number: 08 Temp (°C): 9 Wind speed (m/s): 12 Cloud cover 85%

SEWF008

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
EABL	5	S	1	OS
BHCB	30	W	3	X
RWBL	10	SE	1	X FLYOVER
HOUR	20	W	1	OS
GRCA	40	W	1	X
AMRO	20	E	1	OS SCOLDING
AMRO	25	W	1	OS SCOLDING
AMCR	75	N	1	OS
RBWD	50	N	1	OS
NOCA	75	N	1	OS SCOLDING
EASO	100	NE	1	OS
AMCR	50	E	1	OS SCOLDING
FISP	50	W	1	OS
GCFL	60	N	1	X
RWBL	75	E	1	X
AMGO	40	E	1	X
RBWD	45	E	1	OS
RBWD	50	N	1	COUNTERDRUMMING OS (IN RESPONSE TO OWL)

EASTERN  
SCREECH-OWL

59 wfp 127

Observer: HKO Start time: 653 (military time) Stop time: 703

Point number: 09 Temp (°C): 7 Wind speed (m/s): 5 <sup>5</sup> Cloud cover 50 %  
59 wfp 127

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SOSP	15	S	1	T1
MODO	100	E	1	OS
HOWR	30	E	1	T1
AMRO	45	SE	1	T1
RHW0	100	N	1	OS
AMCR	100	N	1	OS
BHCO	60	SW	1	X
AMGO	5	E	1	X
GRCA	40	NE	1	X
NOCA	50	SSW	1	T1
EWPE	60	SSW	1	X
RWBL	25	E	1	<sup>OS</sup> FLYOVER
EUST	35	NE	1	OS
DOWO	20	NE	1	OS
BARS	10	SE	1	<sup>X</sup> FLYOVER
GRCA	60	SE	1	X
NOCA	80	E	1	T1
RWBL	5	W	2	<sup>X</sup> FLYOVERS
RWBL	30	SW	1	X
AMRO	70	W	1	T1
VEER	80	N	1	X
AMRO	60	NW	1	T1
RWBL	50	SE	1	OS

YWAR 60 SE 1 X  
AMGO 35 SE 2 X  
EUST 40 NE 2 OS

Sewf pg 128

Observer: HKO Start time: 745 (military time) Stop time: 755

Point number: 06 Temp (°C): 9 Wind speed (m/s): 2<sup>5</sup> Cloud cover 35%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
WOTH	40	N	1	X
AMGO	20	SE	1	X
NOCA	50	W	1	TI
WOTH	35	S	1	X
REVI	50	N	1	X
AMGO	30	NW	1	X
SOSP	40	E	1	TI
BHCO	20	SE	1	X
HQWR	40	NE	1	TI
BGGN	40	NE	2	T?
INBU	60	NE	1	X
REVI	70	NE	1	X
GRCA	45	E	1	TI
AMRO	20	E	1	TI
UNVI#1	30	N	1	X VERY SLOW SONG. PHILADELPHIA??
FISP	80	E	1	T?
AMGD	75	W	2	X
GRCA	40	W	1	OS
BAOR	75	W	1	X
AMCR	100	E	1	OS
WBNB	70	NW	1	TI
NOCA	40	NW	1	TI

UNIDENTIFIED  
VIREO



SEWFP3130

Observer: HKO Start time: 835 (military time) Stop time: 845

Point number: 04 Temp (°C): 13 Wind speed (m/s): 5<sup>5</sup> Cloud cover 20%

SEWFP004

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
REVI	20	S	1	X
HOWR	15	SE	1	T7
REVI	50	S	1	X
ETTI	20	W	1	T7
AMRO	30	S	2	T7
BCCH	15	S	2	X
AMRO	50	E	1	T7
NOCA	40	W	1	T7
WBNU	35	SW	1	T7
ETTI	15	N	2	T7
EAWP	40	NE	1	X
HOWR	30	NE	1	T7
RHWD	25	SE	1	T7
RHWD	40	S	1	T7
INBU	15	NE	1	X
YBFL	25	SE	1	X
REVI	60	N	1	X
BHCO	30	SE	2	X
COGR	0	—	1	X FLYOVER

YELLOW-BELLIED  
FLYCATCHER

SEWf(8131

+ 3@ BOTTOM

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS, MIGRATION Date: 05-19-09Observer: HKO Start time: 810 (military time) Stop time: 820Point number: 05 Temp (°C): 12 Wind speed (m/s): 20<sup>5</sup> Cloud cover 30%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
INBU	30-60	SW	2	T1 COUNTER SINGING
GRCA	20	W	1	T1
GRCA	30	NW	2	T1
SOSP	30	NW	1	T1
NOCA	45	S	1	T1
BAOR	40	N	1	X
EAPH	10	WNW	1	OS
BCCH	40	W	1	X
NOCA	50	W	1	T1
GRCA	40	W	1	T1
ETTI	50	W	1	T1
INBU	50	NE	1	T1
ETTI	40	NE	1	COUNTER SINGING T1
ETTI	80	E	1	T1
BHCO	75	E	1	X
AMRO	125	E	1	OS
TUVU	40	SE	1	X
RWBL	75	SE	5	OS
SOSP	100	E	1	T1
TUVU	50	SW	1	X
RWBL	35	SE	2	OS

AMGO	30	S	1	X
AMRO	20	S	1	OS
SOSP	20	W	1	OS



## BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS, MIGRATION Date: 05-24-09Observer: HKO Start time: 611 (military time) Stop time: 621Point number: 12 Temp (°C): 12 Wind speed (m/s): 0 Cloud cover 90%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	50	S	1	OS
AMCR	70	SW	1	OS
INBU	40	S	1	X
ETTI	25	N	1	T7
MODO	150	E	1	OS
GCFL	40	SE	1	X
INBU	30	N	1	X
REVI	40	NE	1	X
GRCA	75	SW	1	X
HOWR	75	SW	1	T7
INBU	35	E	1	X
RBWD	100	N	1	OS
NOCA	100	NE	1	T7
INBU	10	NW	1	X
FISP	80	E	1	T1
NOCA	60	NE	1	T1
DOWO	30	E	1	OS
YBCU	40	E	1	X
DOWO	30	N	1	OS
EABL	75	E	1	OS
MODO	100	SW	1	OS

NOCA 60 SE 1 OS  
RTHA 100 S 1 OS

YELLOW-BILLED  
CUCKOO

SWFpg133

Observer: HKO Start time: 633 (military time) Stop time: 643

Point number: 13 Temp (°C): 11 Wind speed (m/s): 5 <sup>N</sup> Cloud cover 80%

SWF013

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
COGR	10	NW	1	X FLYOVER
CHSP	50	SE	1	T1
RBWO	80	W	1	OS
AMCR	100	W	1	OS
EABL	40	SE	1	OS
INBU	10	W	1	X
MOJO	55	SE	1	OS
MOJO	100	NE	1	OS
IDLA	45	E	2	OS
AMCR	150	SE	1	OS
CHSP	30	NW	1	T1
CHSP	45	SW	1	T1
ETTI	40	NW	1	T1
AMRO	30	S	1	OS
INBU	30	NW	1	X
SO SP	20	W	1	OS
AMCR	50	SW	1	OS
BLJA	20	NW	1	X
GRCA	40	NW	1	X
REVI	60	NW	1	X
EWPE	75	SW	1	X
INBU	80	W	1	X
NOCA	50	SW	1	T1

EWPE 25 NW 1 X  
SO SP 35 NW 1 OS

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-25-09Observer: HKO Start time: 652 (military time) Stop time: 702  
EPoint number: 01 Temp (°C): 12 Wind speed (m/s): 15-20 Cloud cover 40%  
Seneca

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RTHA	125	W	1	OS
NOCA	40	E	1	T1
RBGR	40	NW	1	X
RBWO	50	N	1	OS
COGR	5	NE	1	X FLYOVER
AMRO	40	W	1	T1
AMGO	50	SE	2	T1
EAWP	60	S	1	X
GBHE	20	E	1	X FLYOVER
EAWP	70	NE	1	X
HOWR	60	SE	1	T1 COUNTERSINGING
HOWR	50	N	1	T1
AMCR	60	S	3	OS MOBBING SOMETHING (PROPERTY POSTED)
AMRE	45	SE	1	X
BLJA	80	SE	1	X
CHSP	10	N	1	T1
REVI	30	NE	1	X
UNPA#1	30	SE	1	X
RWBL	75	W	1	OS
RBWO	75	SE	1	OS
GRCA	30	N	1	X

[illegible]

Sewt 137

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-24-09Observer: HKO Start time: 739 (military time) Stop time: 749Point number: 16 Temp (°C): 17 Wind speed (m/s): 4 Cloud cover 40 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RTHA	20	W	1	OS
AMGO	20	NW	3	X
RWBL	80-150	N → NW	8	T? ON TERRITORIES.
SOSP	25	N	2	T?
COGR	10	N	1	CF
NRWS	20	N	2	CM
KILL	60	N	2	T?
YBCU	60	NW	1	X
AMRO	25	N	1	ON
GRCA	50	SE	1	X
AMRO	150	NE	2	OS
BGGN	10	SE	1	T?
AMRO	40	NW	1	OS
EAPE	50	NE	1	T?
EUST	50	NW	1	OS
INBU	20	S	1	X
SOSP	50	SE	1	T?
NOCA	50	SE	1	T?
DOWD	25	SE	1	OS
AMCR	100	S	1	OS
RHWO	65	NW	1	OS

Observer: HKO Start time: SEE PAGE 1 (military time) Stop time: \_\_\_\_\_

Point number: 16 Temp (°C): \_\_\_\_\_ Wind speed (m/s): \_\_\_\_\_ Cloud cover \_\_\_\_ %  
Seaford

[illegible]

Observer: HKO Start time: 828 (military time) Stop time: 838Point number: 07 Temp (°C): 19 Wind speed (m/s): 3 <sup>NW</sup> Cloud cover 50 %  
Squaw

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
REVI	30	NE	1	X
NOCA	60	E	1	T1
EUST	70	SE	2	OS
AMCR	40	W	1	OS FLYOVER
RWBL	70	W	1	T1
FISP	60	NW	1	T1
COGR	10	S	2	OS FLYOVER
GRCA	40	NW	1	X
BLTA	35	NW	1	X
AMRD	50	W	1	OS
RWBL	40	W	1	T1
REVI	35	NW	1	X
CHSP	40	E	1	T1
EWPE	50	NE	1	X
MODD	80	SE	1	T1
COGR	20	S	1	X FLYOVER
GRSP	40	SE	1	T1
AMGO	30	SE	2	X
AMCR	75	NE	1	OS
AMRD	100	E	2	T1
EABL	75	SE	1	T1
ETTI	40	NE	1	T1
EUST	20	S	1	OS
COGR	50	S	1	OS FLYOVER
COGR	30	W	1	OS FLYOVER

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 05-24-09

Observer: HKO Start time: 805 (military time) Stop time: 815

Point number: 17 Temp (°C): 18 Wind speed (m/s): 1 Cloud cover 10 % HAZE

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
REVI	70	NW	1	X
FISP	50	S	1	TI
HOWR	30	SW	1	TI
INBU	30	S	1	X
AMRD	60	N	1	OS
BLJA	50	W	2	X
BHCO	20	W	2	X
NOFL	60	NW	1	OS
CHSP	30	N	2	TI
GCFL	25	SW	1	X
EWPW	40	W	1	X
SOSP	50	S	1	TI
EAME	75	SE	1	TI
AMCR	75	E	1	OS
BAOR	30	S	1	CM
AMRD	20	S	1	OS
ETTI	40	SW	1	TI
BHCO	35	NE	1	X
INBU	75	SW	1	X
}	}		}	
}	}		}	



SEWFPg140

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS MIGRATION Date: 05-24-09

Observer: HKO Start time: 657 (military time) Stop time: 707

Point number: 11 Temp (°C): 10 Wind speed (m/s): 10 <sup>NW</sup> Cloud cover 90 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMCR	50	W	1	<sup>X</sup> FLYOVER
RWBL	50-150	SW → NW	12	<sup>T1</sup> MALES ON TERRITORIES
EUST	30	SW	4	OS
YWAR	50	SW	1	T1
COYE	60	SW	1	T1
GBHE	100	N	2	<sup>X</sup> FLYOVERS
BGGN	60	SE	1	T1
RWBL	—	—	1	T1
BCFL	30	E	1	X
RBWD	75	E	1	OS
EAME	70	W	1	T1
BCCH	30	S	1	T1
HOWR	30	E	1	T1
EATO	45	SW	1	T1
SOSP	75	SE	1	T1
MODU	50	S	1	<sup>X</sup> FLYOVER
RBWD	75	SW	1	OS
EAME	50	S	1	T1
HOWR	75	SW	1	T1
GCFL	100	S	1	X
ETTI	50	E	1	T1

FARMER PLANTING ADJACENT FIELD.

Observer: HKD Start time: 718 (military time) Stop time: 728Point number: 18 Temp (°C): 12 Wind speed (m/s): 5 Cloud cover 70 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RWBL	80 - 120	S→SW	3	T1
AMCR	100	NW	1	OS
EWPE	50	W	1	X
INBU	60	SW	1	X
RWBL	70	E	1	FLYOVER
AMRO	50	S	2	OS
WAVI	50	SW	1	X
BGGN	40	SW	1	T1
NOCA	40	N	1	T1
AMGO	5	W	2	X
INBU	60	N	1	X
EAME	80	E	2	T1
AMCR	100+	W	1	OS
HOWR	50	NW	1	T1
AMRO	70	N	1	T1
BGGN	60	NW	1	T1
RWBL	50	NE	1	T1
GBHE	75	N	2	FLYOVERS
GRCA	80	NW	1	X
GCFL	25	SW	1	X
}	}	}	}	
}	}	}	}	
}	}	}	}	

SEWF pg 142

Observer: HKO Start time: 951 (military time) Stop time: 1001

Point number: 05 Temp (°C): 20 Wind speed (m/s): 8 Cloud cover 30% HAZE

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
TUVU	40	S	1	X
INBU	10	NW	1	X
NOCA	30	NW	1	TI
BLJA	75	S	1	X
SOSP	35	N	1	TI
BLJA	10	E	1	X
COGR	20	S	1	OS FLYOVER
NOCA	40	SW	1	TI
GCFL	50	E	1	X
SOSP	30	NE	1	COUNTERSINGING TI
ETTI	40	SW	2	TI
SOSP	20	SW	1	TI
BLJA	20/100	NE	3	X
AMGO	25	E	2	X
COYE	35	NW	1	X
EVST	5	S	1	OS FLYOVER
CHSP	30	SW	2	TI
BLJA	30	NW	1	X
RWBL	40	NW	1	TI
DDWD	50	NE	1	OS
ETTI	70	E	1	TI
HOWR	60	NE	1	TI
EABL	100	SE	1	TI

TUVU	100	E	4	X FLYOVER
COYE	80	E	1	X
NOCA	70	E	1	TI
EWPE	50	NE	1	X
BHCO	75	E	1	X

NOTE: IMMEDIATELY AFTER COUNT TIME, 1 WIFL (Willow Flycatcher) X.

**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-24-09

Observer: HKO Start time: 934 (military time) Stop time: 944

Point number: 06 Temp (°C): 20 Wind speed (m/s): 10 E Cloud cover 60%  
SEWFP 143

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
NOCA	30	W	1	T1
GRCA	10	NE	1	T7
AMRO	40	E	1	T1
SCTA	50	NW	1	X
HOWR	35	S	1	T1
FISP	50	W	1	T7
HOWR	40	NE	1	T1
GRCA	30	NW	1	T7
REVI	60	NE	1	X
EWPE	45	N	1	X
RBWD	50	NE	1	OS
INBU	20	W	1	X
REVI	30	NW	1	X
INBU	30	NE	1	X
AMCR	150	N	1	OS
TUVU	25	W	1	X
INBU	30	S	1	X
BCCH	30	N	1	OS
CHSW	20	N	2	X FLYOVERS
{	}	{	}	
{	}	{	}	

Observer: HKO Start time: 903 (military time) Stop time: 913Point number: 09 Temp (°C): 21 Wind speed (m/s): 2 <sup>NW</sup> Cloud cover 100%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
HOWR	30	E	1	T1
AMRO	50	E	1	OS
EUST	40	SW	1	OS
MODD	80	E	1	OS
NOCA	40	E	1	T1
AMRO	50	W	1	OS
AMGO	10	S	1	X
COGR	35	E	1	OS
RHWO	60	SW	1	OS
YUAR	30	S	1	X
RHWO	50	NE	1	OS
GRCA	25	NE	1	SCOLDING X
BIRTH	40	SE	1	T7
SOSP	30	E	1	T1
UNPA#1	30	S	1	X FLYING
BHCO	40	E	1	X
NOCA	90	NW	1	T1
AMGO	15	NW	1	X
RHWO	50	N	1	OS
EUST	35	E	1	OS
AMGO	40	SW	1	X
INBU	30	S	1	X
CHSP	40	W	2	T1

BGGN	25	NW	1	T1
AMRE	40	SW	1	X

SEWFP 145

### BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIGRATION Date: 05-24-09

Observer: HKO Start time: 843 (military time) Stop time: 853

Point number: 08 Temp (°C): 21 Wind speed (m/s): 3 <sup>NW</sup> Cloud cover 80%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BHCO	5	SE	1	X
ETTI	20	W	1	T1
REVI	30	N	1	X
EABL	50	E	1	T1
YBCU	100	E	1	X
YWAR	60	E	1	X
AMGO	50	E	2	X
AMRO	5	E	1	T1
AMRO	100	E	1	T1
BHCO	75	E	1	X
RWBL	70	E	1	T1
EAME	80	E	2	OS
INBU	75	NE	1	X
RBWD	40	SE	1	<sup>OS</sup> FLYOVER
AMRO	35	E	2	T1
NOCA	50	N	1	T1
NOFL	35	W	1	OS
RWBL	75	SW	1	T1
RWBL	30	NW	1	T1
RHWD	40	NW	1	OS
DOWD	20	W	1	OS

[illegible]

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS Date: 05-25-09Observer: HKO Start time: 715 (military time) Stop time: 725Point number: 02 Temp (°C): 12 Wind speed (m/s): 10 <sup>NE</sup> Cloud cover 50%  
SEWFOODSKUNK!  
FEEDING IN  
LAWN BY  
POND

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SO SP	50	W	2	TI
EAME	75	S	1	TI
AMRO	30	S	1	OS
BARS	50-150	SW	5	X
RWBL	30-70	S	5	TI ON LAWN FEEDING
EAME	80	SE	1	TI
RWBL	40-200	E-75	10	TI DEFENDING, ON TERRITORIES,
EUST	30	W	1	OS FLYOVER
AMCR	75	N	2	OS
AMGO	40	E	3	X
REVI	70	NW	1	X
ROPI	100	SW	4	OS
EAME	30	W	1	TI
AMGO	40	W	1	X
CHSP	25	W	2	TI
EUST	10	SE	1	OS FLYOVER
FISP	35	E	1	NE
AMCR	150	W	2	OS
EAWP	75	N	1	X
BGGN	50	NW	1	TI
FISP	125	E	1	OS



**BIRD SURVEY FORM**

Project Name: SENECA WF Survey type: PASS, MIGRATION Date: 05-25-09

Observer: HKO Start time: 626 (military time) Stop time: 636

Point number: 03 Temp (°C): 13 Wind speed (m/s): 30 Cloud cover 60%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
INBU	40	S	1	T7
AMGO	30	E	2	X
SO SP	40	N	2	OS
RWBL	75-150	NW	2	T1 ON TERRITORIES
EAME	60	N	1	T1
AMRO	100	NW	1	T1
INBU	60	E	1	COUNTERSINGING
WITU	175	E	1	OS
UNPA #1	5	E	1	X FLEW IN, DISAPPEARED
EAWP	50	SE	1	X
BAOR	30	S	1	X
GRCA	45	S	1	X
MODD	25	S	1	X FLYOVER
AMCR	150-200	E	1	OS
RWBL	75	NE	1	OS
FISP	100	W	1	T1
VESP	50	N	1	OS



## **APPENDIX 10. FALL PASSERINE SURVEY DATA SHEETS**



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Point number: 02 Temp (°C): 22 Wind speed (m/s): 16 km/h Cloud cover 50 %  
(FROM POINT) (FROM POINT)

WEEK  
1

SEWF-PLG245

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Project Name: SENECA WF Survey type: PASS MIG Date: 08-17-09

Observer: HKO Start time: 1011 (military time) Stop time: 1021

Point number: 17 Temp (°C): 30 Wind speed (m/s): 8 Cloud cover 40% H/A-20

[illegible]

NO  
REDONE

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-17-09

Observer: HKO Start time: 851 (military time) Stop time: 901

Point number: 12 Temp (°C): 26 Wind speed (m/s): 18<sup>SW</sup> Cloud cover 40%<sup>HAZE</sup>

[illegible]

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-17-09Observer: HKO Start time: 820 (military time) Stop time: 830Point number: 11 Temp (°C): 24 Wind speed (m/s): 18 kts Cloud cover 20% <sup>1422</sup>

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SOSP	15	W	1	
EUST	30	SW	3	
AMKE	30	SW	1	
SOSP	65	SW	1	
AMRO	10	W	12	FLYOVER
AMRO	0	SW	1	"
AMRO	25	SW	1	
AMRO	20	SW	2	"
FISP	80	SE	1	
NOCA	75	SW	1	
DOWD	65	S	1	
CEDW	70	S	2	FLYOVER
CEDW	45	S	1	
AMRO	70	SW	2	
BLTA	70	SW	6	FLYOVER
MODD	50	SW	1	"
AMRO	60	SW	1	"
AMRO	35	E	1	
RBWD	AFTER COUNT PERIOD			
EAWP	"	"		



## BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS MIG Date: 08-17-09Observer: HKO Start time: 905 (military time) Stop time: 915Point number: 13 Temp (°C): 27° Wind speed (m/s): 18 KN<sup>5</sup> Cloud cover 35 % 4000

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
TUUD	0	W	3	FLYOVER
INBU	90	N	1	
INBU	40	SW	1	
HOWR	30	W	1	
INBU	70	N	6	
TUTI	75	N	1	
GRCA	75	N	1	
UNPA#1	85	NW	1	POSSIBLE RBGR?? UNID PASS
AMGO	125	N	1	
BAOR	60	NW	1	
AMPD	75	NW	2	
BGGN	80	NW	1	
EAWP	125	NW	1	
}	}	}		
}	}	}		
}	}	}		
RTHA	* 225 *	S	1	
RHWO	85	N	2	AFTER COUNT PERIOD
}	}	}		
}	}	}		
}	}	}		

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Point number: 16 Temp (°C): 29 Wind speed (m/s): 6.25 Cloud cover 40 % 11/25

[illegible]

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIB Date: 08-18-09

Observer: AKO Start time: 747 (military time) Stop time: 757

Point number: 03 Temp (°C): 22 Wind speed (m/s): 20<sup>50</sup> Cloud cover 50 %

[illegible]

SEWFPG251

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Point number: 01 Temp (°C): 23° Wind speed (m/s): 15.41 Cloud cover 46 %

[illegible]

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# BIRD SURVEY FORM

Project Name: Seneca GVF Survey type: Pass MIG Date: 08-18-09

Observer: FKO Start time: 806 (military time) Stop time: 816

Point number: 17 Temp (°C): 23 Wind speed (m/s): 10 K Cloud cover 50 %

[illegible]

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG. Date: 08-18-09Observer: HKO Start time: 822 (military time) Stop time: 832Point number: 06 Temp (°C): 22 Wind speed (m/s): 8 KN Cloud cover 60%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	100-150	E	400	AT EDGE OF WOODS VERY LG FLOCK
GRCA	20	NW	1	
AMGO	30	NW	1	
AMRO	30	S	1	
AMGO	40	ENE	2	
NOCA	80	NE	1	
FISP	100	E	1	
NOCA	75	E	1	
AMRO	75	E	1	
BLJA	30	W	1	
BAOR	75	E	1	
AMRO	150	E	2	
HOWR	75	E	1	
TUVU	200	NE	1	
RHWD	75	E	2	
UNPA#1	75	E	1	
UNPA#2	20	W	4	
BLJA	150	E	1	

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Project Name: SENECA WF Survey type: PASS MIG Date: 08-18-09

Observer: HKO Start time: 844 (military time) Stop time: 854

Point number: 05 Temp (°C): 24 Wind speed (m/s): 5 Cloud cover 60%

[illegible]

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# BIRD SURVEY FORM

Project Name: SENECA W/F Survey type: PASS MIG Date: 08-18-04

Observer: HKO Start time: 904 (military time) Stop time: 914

Point number: 04 Temp (°C): 23° Wind speed (m/s): 5.12<sup>5.0</sup> Cloud cover 70 %

[illegible]



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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-17-09Observer: HKO Start time: 758 (military time) Stop time: 808Point number: 18 Temp (°C): 25 Wind speed (m/s): 12<sup>SE</sup> Cloud cover 20%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
SOSP	20	NE	1	
AMRO	60	N	45	FLYOVER
COGR	50	S	1	FLYOVER
COGR	0	SW	1	"
EUST	100	SW	3	
HOSP	100	SW	7	
COGR	25	W	1	
WBNU	30	N	2	
RNEP	50	E	1	RING-NECKED PHEASANT
BCCH	75	NW	1	
AMRO	30	SW	2	
AMGO	100	S	1	
INBU	100	NE	1	
BLJA	50	NW	1	
AMRO	60	NW	1	
MODD	70	NW	1	
NOCA	125	NE	1	

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Project Name: SENECA WF Survey type: PASS MIG Date: 08-17-09  
Observer: HKO Start time: 738 (military time) Stop time: 748  
Point number: 09 Temp (°C): 22 Wind speed (m/s): 6 Cloud cover/5%:

[illegible]

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[illegible]

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SENFPG259

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## BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS M10 Date: 08-17-09Observer: HKO Start time: 654 (military time) Stop time: 704Point number: 07 Temp (°C): 22 Wind speed (m/s): 6 KN Cloud cover 15%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
WBNU	15	NE	1	
NOCA	60	SE	1	
MODO	100	E	1	
WBNU	50	E	1	
BCCH	20	N	2	
AMGO	40	SE	1	FLYOVER
TUTI	20	N	1	
AMGO	50	S	1	
NOFL	200	SW	1	
HOSP	60	SE	2	
AMGO	40	E	2	FLYOVER
REVI	50	N	1	
EAWP	40	NW	1	
BLJA	100	S	1	
BLJA	25	E	1	
EDST	90/60	E	3	
RTHU	70	E	1	
MODO	25	S	1	FLYOVER

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SEWFPG260

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-26-09Observer: HKO Start time: 815 (military time) Stop time: 825Point number: 02 Temp (°C): 19 Wind speed (m/s): 6 Cloud cover 95%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMGO	10	E	1	
ROPI	75	S	1	
AMGO	30	N→E	3	
EUST	200	WSW	3	
RTHA	150	SW	1	
AMGO	75	S	1	
AMGO	40	SE	1	
INBU	80	E	1	
AMGO	150	E	5	
MODD	200	W	1	
AMRO	65	W	1	
ROPI	200	W	2	
FISP	100	S	1	
HOSP	200	SW	3	
KILL	100	S	1	
BARS	200	SW	35	
MODD	75	W	10	

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-26-09

Observer: HKO Start time: 738 (military time) Stop time: 748

Point number: 03 Temp (°C): 18 Wind speed (m/s): <sup>5</sup>6 Cloud cover 75%

[illegible]

SEWFP6262

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 8-25-09Observer: HKO Start time: 658 (military time) Stop time: 708Point number: 16 Temp (°C): 14 Wind speed (m/s): 0 Cloud cover 0 %PATCHY  
GROUND  
HAZE

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
WBNW	30	SW	1	
RTHA	75	N	1	
AMGO	15	NW	2	
MODO	15	NW	1	
UNPA#1	20	W	2	
GBHE	20	N	1	
UNWD#1	40	S	1	UNID WOODPECKER
AMGO	35	E	2	
BLJA	100	NW	1	
MODO	40	W	1	
GRCA	20	N	1	
NOCA	30	NW	1	
BARS	100	NW	1	
CHSW	75	W	3	
AMGO	20	W	2	
GRCA	40	SE	2	
AMGO	15	W	1	
MODO	10	S	7	FLYOVERS
AMGO	5	W	2	FLYOVER
BLJA	75	W	1	
UNPA#2	50	W	1	FLYOVER





SENF012

SENFPG1265

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-25-09Observer: HKU Start time: 739 (military time) Stop time: 749Point number: 12 Temp (°C): 15 Wind speed (m/s): 1 Cloud cover 0%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMGO	30	E	1	
EAWP	50	N	1	
RLJA	75	W	1	
GRCA	40	S	1	
NOCA	40	SE	1	
AMCR	150	SW	1	
NOCA	20	E	1	
REVI	60	N	1	
RBWO	90	SE	1	
EAWP	70	SE	1	
GRCA	30	NE	1	
AMCR	150	NE	2	FLYOVERS
GRCA	30	W	1	
RHWO	50	S	1	
UNPAH1	70/90	SW	2	
AMEO	150	NA	1	

SEWFPG266

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-25-09

Observer: HKO Start time: 837 (military time) Stop time: 847

Point number: 09 Temp (°C): 19 Wind speed (m/s): 5 Cloud cover 0 %

[illegible]

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-25-09

Observer: HKO Start time: 817 (military time) Stop time: 827

Point number: 18 Temp (°C): 18 Wind speed (m/s): 5 Cloud cover 0 %

[illegible]

SEWFP 61269

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-25-09

Observer: HKO Start time: 908 (military time) Stop time: 918

Point number: 08 Temp (°C): 19° Wind speed (m/s): 8 Cloud cover 0 %

[illegible]

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Project Name: SENECA WF Survey type: PASS MIG Date: 08-25-09

Point number: 07 Temp (°C): 19 Wind speed (m/s): 7 KN Cloud cover 0 %

[illegible]

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[illegible]



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# BIRD SURVEY FORM

Project Name: SENECAWF Survey type: PASS MIG Date: 08-25-09

Observer: HKO Start time: 930 (military time) Stop time: 940

Point number: 06 Temp (°C): 19 Wind speed (m/s): 5 Cloud cover 0%

[illegible]

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 08-26-09Observer: HKO Start time: 655 (military time) Stop time: 705Point number: 04 Temp (°C): 19 Wind speed (m/s): 0 Cloud cover 95%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMGO	40	SW	2	
DOWO	75	NE	1	
WBNU	60	SE	1	
EAWP	100	SW	1	
UNPA#1	40	SE	1	
RHWO	50	S	2	
RHWO	100	SW	1	
WBNU	40	NE	1	
CHSW	50	E	9	
EAWP	80	SE	1	
RBWD	80	SE	1	
AMGO	40	E	1	
AMRO	75	NE	2	
AMRO	100	E	2	
GCFL	70	N	1	
BARS	30	E	5	
AMRO	25	E	1	

# BIRD SURVEY FORM

Project Name: Seneca WF Survey type: PASS MIG Date: 08-26-09

Observer: HKO Start time: 713 (military time) Stop time: 723

Point number: 17 Temp (°C): 18 Wind speed (m/s): 0 Cloud cover 25%

[illegible]

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIB. Date: 09-02-09Observer: HKO Start time: 758 (military time) Stop time: 808Point number: 11 Temp (°C): 13 Wind speed (m/s): 5 KN Cloud cover 0 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
RTHA	200			
EUST	200	W	100	
EUST	75	WSW	6	
GRCA	90	SE	1	
UNPA#1	75	SE	1	
AMRO	50	SE	1	
BRTH	75	SW	1	
WBNU	60	E	1	
CHSP	40	N	2	
CHSP	70	N	3	
*KILL	100	W	1	AFTER COUNT PERIOD

WEEK 3

SENFP6276

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Project Name: SENECA WF Survey type: PASS MIG Date: 09-02-09  
Observer: HKO Start time: 825 (military time) Stop time: 835  
Point number: 12 Temp (°C): 13 Wind speed (m/s): 5 Cloud cover 0 %

[illegible]

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS, MIG. Date: 09-01-09

Observer: HKO Start time: 941 (military time) Stop time: 951

Point number: 01 Temp (°C): 14 Wind speed (m/s): 4 Cloud cover 0 %

[illegible]

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 09-01-09

Observer: HKO Start time: 910 (military time) Stop time: 920

Point number: 03 Temp (°C): 12 Wind speed (m/s): 3 Cloud cover 0 %

[illegible]



[illegible]



# BIRD SURVEY FORM

Project Name: SENECA W/ Survey type: PASS MIG. Date: 07-01-09

Observer: HKO Start time: 724 (military time) Stop time: 734

Point number: 08 Temp (°C): 11 Wind speed (m/s): 2 Cloud cover 0 %

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 09-01-09Observer: HKO Start time: 747 (military time) Stop time: 757Point number: 06 Temp (°C): 9 Wind speed (m/s): 3KN Cloud cover 0%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
NOOR	20	NE	1	FLYING
NOCA	50	SW	1	
COYE	75	W	1	COMMON YELLOWTHROAT
EATO	60	SE	1	TOWHEE
NOCA	40	NW	1	
FISP	150	NW	1	
AMGO	80	NW	1	
REVI	100	NW	1	
GRCA	75	SW	1	
NOCA	90	W	1	
WBNU	100	NW	1	
AMGO	50	W	1	FLYOVER
UNPA#1	50	E	1	FLYOVER
AMRO	70	E	1	
UNPA#2	60	NE	2	NOCA??
HOWR	75	NE	1	

SEWFP61282

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Point number: 07 Temp (°C): 10 Wind speed (m/s): 2.2 Cloud cover 1 %

[illegible]

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG. Date: 07-01-09

Observer: HKO Start time: 726 (military time) Stop time: 736

Point number: 05 Temp (°C): 12<sup>d</sup> Wind speed (m/s): 2 Cloud cover 0%

[illegible]

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG. Date: 09-01-09

Observer: HKO Start time: 708 (military time) Stop time: 718

Point number: 04 Temp (°C): 11 Wind speed (m/s): 2 KN Cloud cover 0 %

GROUND  
MAY FOG

[illegible]

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 09-02-09Observer: HKO Start time: 846 (military time) Stop time: 856Point number: 13 Temp (°C): 14 Wind speed (m/s): 5 Cloud cover 0 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
EUST	5	W	5	
EUST	75	S	1	
DOWU	60	SW	1	
AMGO	40	WSW	1	
AMRO	60	SW	1	
AMCR	150	SW	1	
BGGN	50	W	1	
GRCA	50	NW	1	
AMRO	20	N	1	
BCC1+	25	W	2	
AMGO	30	W	1	
UNPA <sup>#1</sup>	35	W	1	BCCH, TUTI?
AMGO	40	SW	2	
UNWA <sup>#1</sup>	30	W	1	
BLWA	30	W	1	BLACKBURNIAN WARBLER
YELW	30	W	1	YELLOW WARBLER
COYE	30	NW	1	COMMON YELLOWTHROAT
UNPA <sup>#1-8</sup>	30-50	W	8	PRIMARYLY (ALL?) WARBLERS SEE NOTE BELOW.
NOCA	50	NW	2	
EAWP	60	NW	1	
MAWA	40	W	1	MAGNOLIA WARBLER

WARBLERS WERE HERE IN NUMBERS, FEEDING ACTIVELY & SWOOPING INTO TREES, UNDER GRAPE VINES, ETC. I SAW AT LEAST 8 BIRDS, LIKELY WARBLERS, THAT I SAW ONLY FOR A MOMENT, AS THEY FLEW IN & OUT OF THE VINES/TREES. I WAS ABLE TO SEE/REFIND & ID 40 OTHERS.

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Project Name: SENECA WF Survey type: PASS MIG Date: 09-02-09

Observer: HKO Start time: 922 (military time) Stop time: 932

Point number: 16 Temp (°C): 16 Wind speed (m/s): 10 KN Cloud cover 0 %

[illegible]

SENFP6287

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Project Name: SENECA WF Survey type: PASS MG Date: 09-01-09  
Observer: HKO Start time: 956 (military time) Stop time: 1006  
Point number: 02 Temp (°C): 17 Wind speed (m/s): 10 Cloud cover 0 %

[illegible]



SENF009

SENFPL1288

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## BIRD SURVEY FORM

Project Name: SENECAWIF Survey type: PASS MIG. Date: 09-02-09Observer: HKO Start time: 723 (military time) Stop time: 733Point number: 09 Temp (°C): 10 Wind speed (m/s): 4KN Cloud cover 0 % PATCHY GROUND FOG

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
GRCA	60	NE	1	
WBNU	75	N	1	
AMCR	125	NE	1	
RHW	60	ENE	1	
AMRO	60	S	1	
AMRO	75	E	5	FLYOVERS
COGR	50	NE	1	"
NOCA	75	E	2	
COGR	30	S	1	FLYOVERS
AMRO	40	E	8	FLYOVERS
AMRO	40	E	2	"
GRCA	80	ESE	1	
COGR	70	E	2	FLYOVERS
AMGO	75	E	1	
TUTI	100	SE	1	
EUST	200	E	2	
TUTI	75	NW	1	
EAWP	60	NW	1	
WBNU	100	WSW	1	

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 07-02-09

Observer: HKO Start time: 740 (military time) Stop time: 750

Point number: 18 Temp (°C): 12 Wind speed (m/s): 6 KN Cloud cover 0 %

[illegible]

SENF004

SENFPG290

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## BIRD SURVEY FORM

Project Name: SENECA NF Survey type: PASS MIG Date: 09-09-09Observer: HKO Start time: 857 (military time) Stop time: 907Point number: 07 Temp (°C): 20 Wind speed (m/s): 10<sup>E</sup> Cloud cover 80 %

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMRO	50	S	1	
BLTA	15	NE	1	
UNPA#1	100	W	1	FLYOVER
RHWO	70	SE	1	
BLJA	75	NE	1	
BLJA	100	E	1	
RHWO	100	E	1	
AMRO	100	NE	1	
EUST	50	N	2	FLYOVERS
NOFA	25	S	1	NORTHERN PARULA
BARS	75	W	1	
AMRO	100	NW	1	
AMRO	75	S	1	

WEEK 4

SENFPG291

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Project Name: SENECA WF Survey type: PASS MIG. Date: 09-08-09

Observer: HKO Start time: 1002 (military time) Stop time: 1012

Point number: 17 Temp (°C): 21 Wind speed (m/s): 3.4 Cloud cover 100%

[illegible]

SENFPG292

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 09-08-09

Observer: HKO Start time: 1030 (military time) Stop time: 1040

Point number: 03 Temp (°C): 24 Wind speed (m/s): 2.46 Cloud cover 98%

[illegible]

## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIB Date: 09-09-09Observer: HKO Start time: 818 (military time) Stop time: 828Point number: 06 Temp (°C): 18 Wind speed (m/s): 10 Cloud cover 70%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
GRCF	40	S	1	
AMRO	60	NE	1	
AMGO	75	E	3	
REVI	75	ENE	2	
AMRO	80	ESE	1	
BCCH	125	E	1	
AMRO	80	E	1	FLYING
GRCA	70	ESE	1	
UNPA <sup>#1</sup>	75	E	2	
EAWP	90	NE	1	
AMRO	50	SE	1	FLYING
AMRO	30	W	1	"
BLJA	30	W	1	"
AMGO	50	W	3	
BLJA	60	WSW	1	
NOCA	50	W	2	
GRCA	40	NW	1	
AMRO	40-200	W	15	
BLJA	70	W	2	
BCCH	75	W	2	
{	}			

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS, MIG. Date: 09-08-09

Observer: HKO Start time: 900 (military time) Stop time: 910

Point number: 07 Temp (°C): 20 Wind speed (m/s): 4 Cloud cover 100%

[illegible]



SENFPLG2916

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Project Name: SENECA WF Survey type: PASS, MIG. Date: 09-08-09

Point number: 09 Temp (°C): 20 Wind speed (m/s): 3 km Cloud cover: 100% <sup>SOME</sup> <sub>FOG</sub>

[illegible]

# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIG. Date: 09-08-09

Observer: HKO Start time: 749 (military time) Stop time: 759 BEGINNING TO  
FOG-LIFT

Point number: 18 Temp (°C): 20 Wind speed (m/s): 0 Cloud cover: 95%

[illegible]

SENFPG1298

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# BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIG. Date: 09-08-09

Observer: AKO Start time: 806 (military time) Stop time: 816

Point number: 11 Temp (°C): 20 Wind speed (m/s): <sup>5</sup>4 KN Cloud cover 100%

[illegible]

SENF016

SENFPG 299

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## BIRD SURVEY FORM

Project Name: SENECA W/F Survey type: PASS MIG Date: 09-08-09Observer: HKO Start time: 936 (military time) Stop time: 946Point number: 16 Temp (°C): 22 Wind speed (m/s): 5 KN Cloud cover 100%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMGO	10-40	S	4	
RBWO	50	SW	1	
RBWO	150	WSW	1	
AMRO	30	E	1	
MODD	90	W	1	
AMRO	100	W	3	
AMGO	100	W	3	
HOFI	100	W	3	
DOWD	100	W	1	
AMRO	80	WNW	50	
BLJA	100/125	NW	2	
DOWD	100	W	1	
CEDW	100	W	1	
WBNU	110	W	1	
EUST	100	WNW	1	
BEKI	75	SE	1	BELTED KINGFISHER

SEWFPG300

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SEWFP6302

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SENF002

SENF06930.3

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS MIG Date: 09-09-09Observer: HKO Start time: 714 (military time) Stop time: 724Point number: 02 Temp (°C): 17 Wind speed (m/s): 0 Cloud cover 40%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
AMGO	150	E	1	
* AMCR	7200m	NE	?	MOBBING - 7200m distance
AMGO	50 → 150	S → SE	4	
AMGO	50	W	1	FLYING
AMRO	40 → 100	W	4	FLYOVERS
AMCR	0 → 50	S	5	"
AMCR	100	NW	2	
RBWO	80	NW	1	
AMCR	40	E	1	FLYOVER
AMGO	15	N	1	
SOSP	75	SW	1	
AMCR	40	E	1	FLYOVER
AMGO	75	NE	2	"
AMGO	100	E	4	"
UNPA#	75	ENE	1	PROBABLE AMGO
AMGO	150	E	2	FLYING



SENF001

SENF061304

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## BIRD SURVEY FORM

Project Name: SENECA WF Survey type: PASS. MIG. Date: 09-09-09Observer: HRO Start time: 731 (military time) Stop time: 741Point number: 01 Temp (°C): 17 Wind speed (m/s): 2 Cloud cover 40%

Species	Estimated distance (m)	Direction (bearing)	Flyover # in flock	Behavior/notes
BLJA	75	S	1	
EAWP	50	N	1	
AMCR	150	E	1	
EAWP	20	SE	1	
AMCR	100	N	1	
REVI	75	S	1	
UNPA#	75	E	1	FLYOVER
TUTI	100	E	1	
AMGO	150	E	1	
AMRO	150	SE	1	
AMRO	75	S	1	
EAWP	60	S	1	
BLJA	100	E	2	
EUST	125	NW	1	
WBNU	100	NW	2	
AMRO	75	NW	1	
REVI	75	W	1	

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**7/16/2018 11:28:33 AM**

**in**

**Case No(s). 18-0488-EL-BGN**

Summary: Application Appendix N Part 5 electronically filed by Teresa Orahood on behalf of Dylan F. Borchers