RESOURCE INVENTORY

SPECIAL COMPARTMENT CONSIDERATIONS

COMPARTMENT NAME AND/OR NUMBER: Daybreak

BRIEF DESCRIPTION: Mostly upland mixed hardwood forest habitat. The soils of Daybreak compartment have been designated forest soils in the Soil Survey of Johnson County; however, the vegetation found in daybreak S-02 & 03 suggest a highly degraded prairie.
NO. OF SEGMENTS: 52
COUNTY: Johnson
DISTURBANCE: Compartment contains the Mehaffey Bridge maintenance complex and the Camp Daybreak Girl Scout Camp.
AERIAL PHOTOS NUMBER: 425, 427 and 811
ACREAGE: 564

OUTSIDE AGENCY INVOLVEMENT: Girl Scouts of America

WILDLIFE AND FISH RESOURCE: On numerous occasions Bald Eagles, Osprey, and Red-tailed Hawks have been seen perched in the mature hardwood trees along the shoreline of the Daybreak compartment. Neotropical migrants such as the Cerulean Warblers, Acadian Flycatchers, Ovenbirds, Red-eyed Vireos and a Veery were observed during the 1994 breeding/nesting season.

CULTURAL RESOURCES:

MANAGEMENT OBJECTIVES AND SPECIAL PROCEDURES FOR IMPLEMENTATION OF PRESCRIPTIONS: The mature oak-hickory forest will be managed to increase the quality and rate of growth of the desirable canopy trees. 70 acres of the Daybreak Compartment underwent a timber stand improvement during the late winter/early spring months of 1990. Daybreak S-02 & 03 will continue to be managed as tallgrass prairie habitat. Prescribed burns have been conducted on 3 occasions, and brush removal was undertaken during the fall of 1993.

ACCESS: Most areas are only capable of being reached from private property. Daybreak S-02 & 03 are accessible from the Cumberland Ridge Subdivision. The owners of Sherwood Forest to the south of Camp Daybreak have granted the Corps permission to walk across their property to reach public land.

Coralville
Natural Resource Inventory System
Compartment Report

2/17/90

Physical Information For Compartment: daybrea

Compartment	Segment	Land Cat	Map#	Mgmt Use	Habitat Type	Acreage	Geomorph Type	Soil
daybrea	01	RF	811.00	C2	DF	13.0	U	163E
daybrea	02	RF	811.00	C1	GR	13.0	U	163E
daybrea	03	RF	811.00	C1	PE	1.0	U	163D2
daybrea	04	RF	811.00	C2	DF	2.0	U	163G
daybrea	05	RF	811.00	C2	DF	11.0	U	163C
daybrea	06	RF	811.00	C2	DF	5.0	U	163C
daybrea	07	LR	811.00	C2	DF	9.0	U	163D
daybrea	08	LR	811.00	C2	DF	20.0	U	163C
daybrea	09	LR	811.00	C2	DF	21.0	U	163F
daybrea	10	LR	811.00	C2	DF	4.0	U	163C
daybrea	11	LR	811.00	C2	DF	18.0	U	163G
daybrea	12	RF	811.00	C2	DF	29.0	U	163G
daybrea	13	RF	811.00	C2	DF	20.0	U	163G
daybrea	14	RF	811.00	C1	DF	32.0	B	163E2
daybrea	15	RF	811.00	C2	DF	8.0	U	163D
daybrea	16	LR	425.00	C2	DF	4.5	U	163D2
daybrea	17	LR	425.00	C2	DF	7.0	U	163B
daybrea	18	LR	425.00	T5	DF	15.0	U	163D
daybrea	19	LR	425.00	T5	DF	9.0	U	729B
daybrea	20	LR	425.00	C1	WE	3.0	B	729B
daybrea	21	LR	425.00	C2	DF	3.0	U	729B
Daybrea	22	LR	425.00	C2	DF	25.0	U	163D2
daybrea	23	LR	425.00	C2	DF	3.5	U	163E2
daybrea	24	LR	425.00	C2	DF	14.0	U	163E2
daybrea	25	LR	425.00	C2	DF	6.0	U	163E2
daybrea	26	LR	425.00	C2	DF	11.5	U	163E2
daybrea	27	LR	425.00	C2	DF	11.0	U	163E2
daybrea	28	LR	425.00	C2	DF	13.0	U	163E2
daybrea	29	LR	427.00	C2	DF	4.0	U	163G
daybrea	30	LR	427.00	C2	DF	13.0	U	163G
daybrea	31	RF	427.00	C2	DF	6.0	U	163G
daybrea	32	LR	427.00	C3	MA	4.0	U	163G
Daybrea	33	LR	427.00	C1	FB	21.0	B	1316
daybrea	34	LR	427.00	T5	MA	1.0	U	163E2
daybrea	35	LR	427.00	C2	DF	8.0	U	163G
daybrea	36	LR	427.00	C2	DF	9.0	U	163C2
daybrea	37	LR	427.00	C2	DF	37.0 ?	U	163C2
daybrea	38	LR	427.00	C2	DF	19.0	U	163G
daybrea	39	LR	427.00	C2	DF	7.0	U	163G
daybrea	40	LR	427.00	C2	DF	21.0	U	1316
Daybrea	41	LR	427.00	C2	BR	13.0	U	163C
daybrea	42	LR	427.00	C1	SA	7.0	A	163C
daybrea	43	LR	427.00	C2	DF	3.0	U	163C
daybrea	44	LR	427.00	C2	DF	4.0	U	163G
daybrea	45	LR	427.00	C1	DF	15.0	U	163G
daybrea	46	LR	427.00	C2	DF	4.0	U	163D2
				Total	Acreage	540.5		

Physical Information For Compartment: daybrea

Compartment	Segment	Land Cat	Map#	Mgmt Use	Habitat Type	Acreage	Geomorph Type	Soil
daybrea	47	LR	427.00	C1	SA	13.0	U	163E2
daybrea	48	LR	427.00	C2	DF	3.0	U	1316
daybrea	49	LR	427.00	C2	DF	3.0	U	163E
daybrea	50	LR	427.00	C1	SA	10.0	U	163D2
daybrea	51	LR	425.00	C2	GR	3.0	U	163C
daybrea	52	LR	425.00	C2	BR	6.0	U	163E2

Total Acreage 565.5

Coralville
Species Information
Compartment Report (cont) For Compartment: daybrea

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
daybrea	01	QuRubra TiAmerican JuCinerea	CaCordifor Malus spp JuVirginia JuNigra RhGlabra	712	750	E	18
daybrea	02	BrInermis Poa spp	AnScopariu	700	750	NE	18
daybrea	03	AnScopariu BrInermis	NoSpecrec	712	720	NE	14
daybrea	04	QuAlba QuRubra CaOvata	PrSerotina CoAlternif FrAmerican	680	712	NE	40
daybrea	05	QuRubra TiAmerican CaCordifor	PoGrandide FrAmerican	712	760	N	9
daybrea	06	UlAmerican TiAmerican PoGrandide	JuCinerea	680	740	NE	9
daybrea	07	AcSaccharu QuAlba QuRubra	FrAmerican CaOvata	700	720	SE	14
daybrea	08	QuAlba TiAmerican FrAmerican	QuRubra JuCinerea	680	760	SE	9
daybrea	09	TiAmerican CaCordifor QuRubra	CoAlternif PrSerotina JuCinerea QuAlba AcSacchari	700	800	E	25
daybrea	10	GiTriacant UlAmerican	PiAbies Malus spp PiResinosa	712	740	SE	9

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
daybrea	11	QuAlba QuRubra TiAmerican	UlAmerican PrSerotina	680	800	SE	40
daybrea	12	QuAlba QuRubra CaOvata	AcSaccharu	680	800	SE	40
daybrea	13	QuAlba QuRubra PrSerotina	ZaAmerican PoGrandide FrAmerican	680	770	E	40
daybrea	14	SaNigra Cornus spp Solidago s	PoDeltoide	680	712	N	18
daybrea	15	GlTriacant PrSerotina PoDeltoide	AcSacchari JuNigra	680	720	S	14
daybrea	16	AcSaccharu	NoSpecrec	680	712	NE	14
daybrea	17	GlTriacant UlAmerican CaOvata	PoGrandide JuNigra RoMultiflo	680	740	S	5
daybrea	18	QuAlba CaCordifor QuRubra	CaOvata JuCinerea ZaAmerican	680	750	S	14
daybrea	19	QuMacrocar CaCordifor FrAmerican	UlAmerican MoRubra CoAlternif CaOvata	680	720	NE	4
daybrea	20	SaNigra Polygonum PoDeltoide	NoSpecrec	680	700	SE	4

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
daybrea	21	PoGrandide QuAlba	JuCinerea	680	740	N	4
Daybrea	22	QuAlba QuRubra FrAmerican	CaCordifor AcSaccharu CoAlternif	700	800	NE	14
daybrea	23	RoMultiflo GlTriacant UlAmerican	FrPennsylv Symphorica	680	715	N	18
daybrea	24	UlAmerican QuRubra GlTriacant	PrSerotina JuCinerea CaOvata CaCordifor FrAmerican	680	750	E	18
daybrea	25	QuAlba QuRubra FrAmerican	CaLacinosa PoGrandide PrSerotina Alnus spp TiAmerican	690	750	W	18
daybrea	26	PoGrandide PrSerotina FrPennsylv	GlTriacant AcSaccharu Cornus spp	680	740	NW	18
daybrea	27	QuAlba AcSaccharu QuRubra	FrAmerican UlAmerican JuCinerea TiAmerican	680	750	NW	18
daybrea	28	BeNigra QuAlba CaOvata	AcSaccharu	680	765	N	18
daybrea	29	TiAmerican AcSaccharu QuRubra	CaCordifor QuAlba	680	760	N	40
daybrea	30	PoDeltoide PrSerotina UlAmerican	JuCinerea JuNigra AcNegundo GlTriacant PiStrobus	680	750	E	40

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
daybrea	31	CaOvata QuAlba CaCordifor	PoGrandide PrSerotina	700	750	E	40
daybrea	32	Poa spp	NoSpecrec	680	730	NE	40
Daybrea	33	Polygonum	PoDeltoide SaNigra	680	690	W	5
daybrea	34	Poa spp	NoSpecrec	780	790	W	18
daybrea	35	GlTriacant UlAmerican QuRubra	PrSerotina AcNegundo CaOvata RoMultiflo	750	800	NW	40
daybrea	36	CaOvata QuAlba QuRubra	AcSaccharu FrPennsylv TiAmerican	740	810	W	9
daybrea	37	CaCordifor JuCinerea CaOvata	PoGrandide CoAlternif TiAmerican	750	800	N	9
daybrea	38	QuAlba QuRubra FrPennsylv	CaOvata TiAmerican CoAlternif	740	800	NE	40
daybrea	39	CaOvata QuAlba JuNigra	TiAmerican UlAmerican CaCordifor	712	750	W	40
daybrea	40	PoDeltoide AcSacchari	SaNigra MoRubra UlAmerican	690	700	E	5

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
Daybrea	41	Cornus spp PrAmerican UlAmerican	PrSerotina GlTriacant RoMultiflo FrPennsylv	712	750	N	9
daybrea	42	Melilotus PoDeltoide	JuVirginia PrSerotina Ligustrum	750	760	N	9
daybrea	43	UlPumila UlAmerican	JuNigra UlAmerican	750	760	N	9
daybrea	44	RoPseudoac	AcSacchari UlPumila	740	760	N	40
daybrea	45	CaOvata QuRubra TiAmerican	UlAmerican AcSaccharu FrAmerican JuCinera QuAlba	730	810	E	40
daybrea	46	QuRubra PrSerotina CeOccident	JuNigra CaCordifor PoGrandide	750	770	N	14
daybrea	47	GlTriacant UlAmerican BrInermis	JuVirginia	712	790	N	18
daybrea	48	PoDeltoide AcSaccharu	SaNigra UlAmerican	680	712	N	5
daybrea	49	UlAmerican CaCordifor	JuVirginia GlTriacant	680	720	NW	18
daybrea	50	BrInermis	UlAmerican JuVirginia GlTriacant PrVirginia	730	790	N	14

Compartment	Seg.	Dominant Species	Notable Species	Elevation Lower	Elevation Upper	Aspect	Slope
daybrea	51	Poa spp	GlTriacant MoRubra RoMultiflo	712	740	N	20
daybrea	52	RoMultiflo GlTriacant UlAmerican	NoSpecrec	712	740	N	18

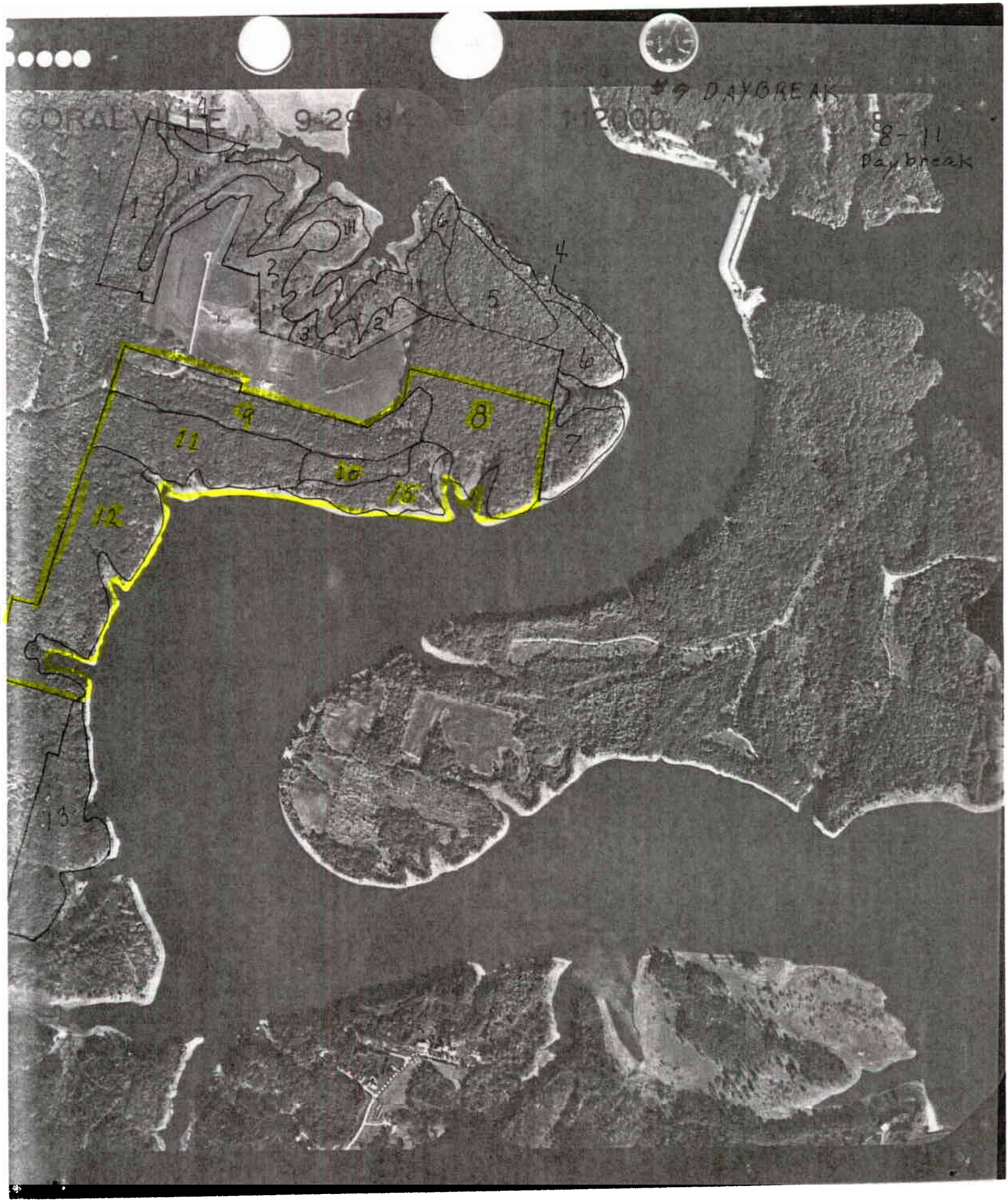
Coralville
Forest Information
Compartment Report (cont) For Compartment: daybrea

Compartment	Seg.	B/A	Species	Size	Growth	Den Tree/A	Under-story Species	Hgt.	Age
daybrea	01	110	QuRubra	5	11.0	0.1	OsVirginia	10	34
			TiAmerican	5			PrSerotina		
			JuCinerea	12					
daybrea	02		BrInermis						
			Poa spp						
daybrea	03		AnScopariu						
			BrInermis						
daybrea	04	140	QuAlba	18	15.0	1.0	AcSaccharu	25	119
			QuRubra	12			OsVirginia		
			CaOvata	12					
daybrea	05	180	QuRubra	5	8.0	0.1	AcSaccharu	8	38
			TiAmerican	5			CaCordifor		
			CaCordifor	5					
daybrea	06	180	UlAmerican	2	5.0	0.1	CaCordifor		22
			TiAmerican	2					
			PoGrandide	2					
daybrea	07	150	AcSaccharu	18	12.0	2.0	TiAmerican	8	128
			QuAlba	18			AcSaccharu		
			QuRubra	18			OsVirginia		
daybrea	08	130	QuAlba	18	13.0	2.0	AcSaccharu	20	100
			TiAmerican	12			OsVirginia		
			FrAmerican	18					
daybrea	09	140	TiAmerican	5	9.0	0.1	AcSaccharu	15	50
			CaCordifor	5			CaCordifor		
			QuRubra	5			FrPennsylv		
daybrea	10	50	GlTriacant	2	4.0	0.1	NoSpec	1	15
			UlAmerican	2					
daybrea	11	90	QuAlba	5	10.0	1.0	CaCordifor	15	45
			QuRubra	5			AcSaccharu		
			TiAmerican	5					
daybrea	12	140	QuAlba	18	10.0	1.0	OsVirginia	15	88
			QuRubra	18			CaCordifor		
			CaOvata	12			FrAmerican		
daybrea	13	140	QuAlba	18	10.0	2.0	OsVirginia	20	100
			QuRubra	18					
			PrSerotina	12					
daybrea	14	30	SaNigra	2	5.0	0.1	PrAmerican	8	19
			Cornus spp				UlAmerican		
			Solidago s						
daybrea	15	90	GlTriacant	5	6.0	0.1	UlAmerican	12	21
			PrSerotina	2			FrPennsylv		
			PoDeltoide						
daybrea	16	100	AcSaccharu	18	11.0	2.0	NoSpec	1	137
Mean		118.0			9.1	0.8		11.9	

Compartment	Seg.	B/A	Species	Size	Growth	Den Tree/A	Under-story Species	Hgt.	Age
daybrea	17	100	GlTriacant	5	7.0	0.1	CaCordifor	8	17
			UlAmerican	5			QuRubra		
			CaOvata	2					
daybrea	18	80	QuAlba	18	12.0	1.0	OsVirginia	10	142
			CaCordifor	18			CaCordifor		
			QuRubra	12			FrAmerican		
daybrea	19	70	QuMacrocar	18	13.0	0.1	CaCordifor	28	103
			CaCordifor	12			GlTriacant		
			FrAmerican	18			PrSerotina		
daybrea	20		SaNigra						
			Polygonum						
			PoDeltoide						
daybrea	21	50	PoGrandide	2	4.0	1.0	OsVirginia	28	26
			QuAlba	5					
Daybrea	22	120	QuAlba	12	10.0	2.0	OsVirginia	24	86
			QuRubra	18					
			FrAmerican	18					
daybrea	23	20	RoMultiflo	1	6.0	0.1			12
			GlTriacant	2					
			UlAmerican						
daybrea	24	70	UlAmerican	5	4.0	0.1	UlAmerican	10	16
			QuRubra	5					
			GlTriacant	5					
daybrea	25	115	QuAlba	12	11.0	3.0	OsVirginia	28	86
			QuRubra	18			AcSaccharu		
			FrAmerican	18					
daybrea	26	50	PoGrandide	5	7.0	0.1	UlAmerican	8	41
			PrSerotina	5			QuRubra		
			FrPennsylv	5			OsVirginia		
daybrea	27	145	QuAlba	12	9.0	2.0	OsVirginia	18	102
			AcSaccharu	18			AcSaccharu		
			QuRubra	12					
daybrea	28	40	BeNigra	5	10.0	0.1	AcSaccharu	8	78
			QuAlba				OsVirginia		
			CaOvata						
daybrea	29	200	TiAmerican	18	13.0	3.0	AcSaccharu	12	138
			AcSaccharu	18			OsVirginia		
			QuRubra	18					
daybrea	30	40	PoDeltoide	5	7.0	0.1	AcSaccharu		30
			PrSerotina	5			UlAmerican		
			UlAmerican	5			QuRubra		
daybrea	31	40	CaOvata	12	11.0	0.1	OsVirginia	25	69
			QuAlba	18			AcSaccharu		
			CaCordifor	12					
daybrea	32		Pca spp			0.1			
Mean		100.4			9.0	0.8		14.6	

Compartment	Seg.	B/A	Species	Size	Growth	Den Tree/A	Under-story Species	Hgt.	Age
Daybrea	33		Polygonum			0.1			
daybrea	34		Poa spp			0.1			
daybrea	35	60	GlTriacant	5	5.0	0.1	UlAmerican	10	29
			UlAmerican	5			QuRubra		
			QuRubra	2					
daybrea	36	100	CaOvata	5	14.0	1.0	OsVirginia	12	68
			QuAlba	18			TiAmerican		
			QuRubra	18			CeOccident		
daybrea	37	100	CaCordifor	12	11.0	0.1	CeOccident	22	90
			JuCinerea	5			CaCordifor		
			CaOvata	12			OsVirginia		
daybrea	38	140	QuAlba	12	9.0	1.0	OsVirginia	16	79
			QuRubra	12					
			FrPennsylv	12					
daybrea	39	60	CaOvata	12	11.0	1.0	OsVirginia	20	78
			QuAlba	18			AcSaccharu		
			JuNigra	12			UlAmerican		
daybrea	40	180	PoDeltoide	12	5.0	0.1	NoSpec	1	67
			AcSacchari	12					
Daybrea	41		Cornus spp						
			PrAmerican						
			UlAmerican						
daybrea	42		Melilotus						
			PoDeltoide	5					
daybrea	43	150	UlPumila	5	6.0	0.1	NoSpec	1	27
			UlAmerican	2					
daybrea	44	160	RoPseudoac	18	8.0	0.1	NoSpec	1	51
daybrea	45	110	CaOvata	18	10.0	2.0	AcSaccharu	15	105
			QuRubra	18			OsVirginia		
			TiAmerican	18			CaCordifor		
daybrea	46	150	QuRubra	18	5.0	1.0	CeOccident	15	60
			PrSerotina	12			CaCordifor		
			CeOccident	12					
daybrea	47		GlTriacant						
			UlAmerican						
			BrInermis						
daybrea	48	110	PoDeltoide	12	5.0	0.1	NoSpec	1	20
			AcSaccharu	5					
Mean		105.5			8.7	0.7		13.2	

Compartment	Seg.	B/A	Species	Size	Growth	Den Tree/A	Under-story Species	Hgt.	Age
daybrea	49	90	UlAmerican	5	7.0	0.1	UlAmerican	9	28
			CaCordifor	5					
daybrea	50		BrInermis			0.1			
daybrea	51		Poa spp						
daybrea	52		RoMultiflo						
			GlTriacant						
			UlAmerican						
Mean		105.5			8.7	0.7		13.2	


#9 DAYBREAK
CORALVILLE
9-29-83
1:12000
8-11
Daybreak
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

A. Segment numbers are arbitrarily assigned to the various segments (stands) and entered on the NRIS inventory sheet, stored in the NRIS and drawn on the acetate overlay kept in the compartment file and indexed to a set of segment prescriptions.

B. The segment description (NRIS data sheet) contains the following information:

1. Segment Number
2. Computer Abbreviated Compartment Name
3. Land Allocation Category Code
4. Aerial Photographic Number (1984 Infra-Red) containing segment.
5. Management Use Delegation Code
6. Habitat Type Code
7. Acres Contained in Segment
8. Geomorphic Type Code
9. Soil Type Code (Johnson County Soil Survey)
10. Slope Percent
11. Aspect Code
12. Elevation in Feet NGVD: Lower & Upper
13. Square Feet of Basal Area
14. Age of a Typical Dominant Species Individual
15. Growth - Number of annual rings in outer inch of growth
16. Number of Den Trees
17. Size Class Code
18. Average Understory Height
19. Observed Understory Species 1, 2, 3
20. Dominant Species Observed 1, 2, 3
21. Notable Other Species Observed 1, 2, 3, 4, 5
22. Treatment Prescription Code Plus Date Planned & Completed

The following codes and descriptions are used in processing the NRIS reports:

LAND ALLOCATION CATEGORY

These categories can be found in the project master plan:

CODE	DESCRIPTION
PO	Project Operations
HR	High Density Recreation
LR	Low Density Recreation
WM	Wildlife Management
RF	Reserve Forestland
NA	Natural Area

For land areas that do not fit in any of the above categories, the symbol "UC" is used to designate "unclassified".

MANAGEMENT USE DESIGNATION

This designation consists of two parts. The first is a letter code which designates the agency that manages the segment. The second is a number code that designates the short range management goals.

The following agency codes designate responsiblity of the management of the segment:

CODE	DESCRIPTION
C	Full management of the segment retained by the Corps.
F	Management of fish and wildlife resources leased to the U.S. Fish and Wildlife Service, remaining management retained by Corps.
S	Management of fish and wildlife resources leased to the states thru the US Fish and Wildlife Service, remaining management of the segment retained by the Corps.
U	Management of the segment leased to a city for a special use. The Corps would insure that the leasee is following the requirement of the lease.
T	Management of the segment leased to a state for a special use. The Corps would insure that the lessee is following the requirements of the lease.

O Management of the segment leased to a county for a special use. The Corps would insure that the leasee is following the requirements of the lease.

B Management of the segment leased to a private business. The businessman may be a small concessionaire or a major corporation. The Corps would insure that the leasee is following the requirements of the lease.

P Management of the segment leased to a private individual. The Corps would insure that the leasee is following the requirements of the lease.

The short range management goals are coded as follows:

CODE	DESCRIPTIONS
1	Wildlife Management. Produce and maintain habitat for game and nongame wildlife.
2	Forest Management. Maintain future forest cover in a healthy productive condition to meet project goals.
3	Intensive Recreation. Maintain intensively used recreation area.
4	Low Density Recreation. Area used for low impact recreation such as hiking.
5	Operations. Areas used to conduct operation of the project.

HABITAT TYPE

The habitat types which best describe the vegetative habitat of the segments are as follows:

CODE	TYPE	DESCRIPTION
PR	Prairie	Grasslands of native grasses and forbs.

GR	Grassland	Grasslands where introduced prairie grasses may be present, but do not dominate the segment.
AG	Cultivated Ground	Ground on which crops such as corn, soybeans, etc., are cultivated by farmers. Additionally ground which is cultivated and seeded to millet, clover, corn, etc., to provide food for wildlife.
PL	Forest Plantation	Forest communities where trees have been hand planted in rows.
DE	Deepwater	Environment where surface water is permanent and often deep, so that water, rather than air, is the principal medium within which the dominant organisms live, whether or not they are attached to the substrate.
BR	Brush	A community of plants, dominated by brush.
SA	Savanna	Grasslands or fields with scattered trees in groups or singly. The trees do not form a closed canopy over the dominating grasslands.
MA	Man Dominated	Areas where man has planted and maintains the vegetation such as campgrounds.

FB	Forbs/Broadleave of herbaceous ground covr.	Fields or meadow of herbaceous plants other than crops or grass.
WE	Wetlands	Wetlands are lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. For purposes of this classification wetlands must have one or more of the following three attributes: (1) at least periodically, the land supports predominantly hydrophytes, (2) the substrate is predominately undrained hydric seal, and (3) the substrate is nonsoil and is saturated with water or covered by shallow water at some time during the growing season of each year.
DF	Deciduous Forest	A forest community in which the trees and shrubs drop their leaves in the fall and grow new leaves in the spring. These species are commonly referred to as the hardwoods.
CF	Coniferous Forest	A forest community that is characterized by coniferous or cone-bearing tree species. These species of trees are commonly referred to

as evergreens and softwoods. These woods may very well be harder in composition than the deciduous species or hardwoods.

GEOMORPHIC TYPE

The compartment segments are also coded using these geomorphic characteristics:

CODE	CATEGORY
U	Upland
B	Bottomland
A	Borrow area
H	Highly eroded

Bottomland is land that is periodically inundated. All other land not otherwise coded as bottomland, borrow area, or highly eroded is upland.

SOIL TYPE

The alpha-numberic codes used in the Johnson County Soil Survey book were used to describe soil types. The following codes and descriptions were used in the NRIS:

CODE	DESCRIPTION	SLOPE(Percent)
110B	Lamont fine sandy loam	2 - 5
110E	Lamont fine sandy loam	9 - 18
11B	Colo-Ely complex	2 - 5
1220	Nodaway silt loam, channeled	0 - 2
1291	Atterberry silt loam, benches	0 - 2
1315	Perks - Spillville complex	0 - 2
1316	Flavaquents, ponded	
1485	Spillville loam, channeled	0 - 2
160	Walford silt loam	0 - 1
163B	Fayette silt loam	2 - 5
163C	Fayette silt loam	5 - 9
163C2	Fayette silt loam	5 - 9 (Moderately eroded)
163D	Fayette silt loam	9 - 14
163D2	Fayette silt loam	9 - 14 (Moderately eroded)
163D3	Fayette silty clay loam	9 - 14 (Severely eroded)

CODE	DESCRIPTION	SLOPE(Percent)
163E	Fayette silt loam	14 - 18
163E2	Fayette silt loam	14 - 18 (Moderately eroded)
163E3	Fayette silty clay loam	14 - 18 (Severely eroded)
163F	Fayette silt loam	18 - 25
163F2	Fayette silt loam	18 - 25 (Moderately eroded)
163G	Fayette silt loam	25 - 40
220	Nodaway silt loam	0 - 2
226	Lawler loam, 32"-40" to sand and gravel	0 - 2
293C	Chelsea-Lamont-Fayette complex	5 - 9
293C2	Chelsea-Lamont-Fayette complex	5 - 9 (Moderately eroded)
293D	Chelsea-Lamont-Fayette complex	9 - 14
293D2	Chelsea-Lamont-Fayette complex	9 - 14 (Moderately eroded)
293E	Chelsea-Lamont-Fayette complex	14 - 18
293E2	Chelsea-Lamont-Fayette complex	14 - 18 (Moderately eroded)
293F	Chelsea-Lamont-Fayette complex	18 - 25
293G	Chelsea-Lamont-Fayette complex	25 - 40
320	Arenzville silt loam	0 - 2
352B	Whittier silt loam	2 - 5
382	Maxfield silty clay loam	0 - 2
41B	Sparta loamy fine sand	2 - 5
485	Spillville loam	0 - 2
5040	Orthents, loamy	
520	Coppock silt loam	0 - 2
54	Zook silty clay loam	0 - 2
63C	Chelsea loamy fine sand	5 - 9
63E	Chelsea loamy fine sand	9 - 18
65E2	Lindley loam	14 - 18 (Moderately eroded)
727	Udolpho loam	0 - 2
729B	Nodaway-Arenzville silt loams	1 - 4
778	Sattre loam	0 - 2
778B	Sattre laom	2 - 5
83B	Kenyon loam	2 - 5
974B	Bolan loam, loamy substratum	2 - 5

SLOPE

The predominate slope is the slope that would most influence management of the segment. the Johnson County Soil Survey book was used for slope references to soil types on each segment.

ASPECT

The aspect is the direction the predominate slope is facing. the slope can face north, south, east, or west. One or any suitable combination of two cardnal directions are used to designate the aspect of each segmant.

ELEVATION RANGE

A USGS contour map was used as a reference to determine the upper and lower elevations in feet mean sea level (msl) for each segment. Only the numerical value of the total feet above sea level is entered as data in the NRIS system.