

CRUISE REPORT HEADER & CERTIFICATION

CRUISE#: 23012

SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

Year: 0 Region: 01 Forest: 05 District: 01

Remarks:

FILENAME: C:\Users\kmhake\Desktop\BlacktailHeli\23012 Black Heli TS.cruise

REPORTS: A01 A03 A07 LV01 R101 ST1 ST2 ST3 ST4 TC10 TC72 TC74 TL6 UC1 UC10 UC3 UC5 UC8 VSM1 VSM2
VSM3 VSM5

***** CRUISE CERTIFICATION *****

I certify that the timber for the Black Heli timber sale
has been designated and cruised by the procedures and standards in
FSH 2409.12, Timber Cruising Handbook. Records of checks are on file
at the District Ranger Office,

RANGER DISTRICT

(name of headquarters town)

DISTRICT RANGER

DATE

Developed and Maintained By:

USDA FOREST SERVICE

WASHINGTON OFFICE TIMBER MANAGEMENT

FORT COLLINS, COLORADO (970)295-5776

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

NATIONAL CRUISE PROCESSING PROGRAM

VOLUME EQUATION TABLE

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 2

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

SPECIES	PROD	VOLUME EQUATION	STUMP HEIGHT	TOTAL CUBIC VOLUME	PRIMARY ***** PRODUCT *****				SECONDARY ***** PRODUCT *****				
					MIN TOP	BDFT	CUFT	CORDS	MIN TOP	BDFT	CUFT	CORDS	BIOMASS
					DIB				DIB				
DF	01	I00FW2W202	1.0	NO	5.6	YES	YES	NO	0.0	NO	NO	NO	NO
DF	08	I00FW2W202	1.0	NO	4.0	YES	YES	NO	0.0	NO	NO	NO	NO
GF	01	I00FW2W017	1.0	NO	5.6	YES	YES	NO	0.0	NO	NO	NO	NO
GF	08	I00FW2W017	1.0	NO	4.0	YES	YES	NO	0.0	NO	NO	NO	NO
PP	01	I00FW2W122	1.0	NO	5.6	YES	YES	NO	0.0	NO	NO	NO	NO
PP	08	I00FW2W122	1.0	NO	4.0	YES	YES	NO	0.0	NO	NO	NO	NO

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)

PAGE 3

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

CRUISE NO.	STRATA NO.	CRUISE METHOD	STRATA ACRES	BAF	PLOT SIZE	NO. OF PLOTS	STRATA DESCRIPTION	DATE MMYYYY
23012	01	PNT	332.00	40.00	0	57		72022

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 23012 SALE#: 23012
SALENAME: Black Heli
RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 4

VERSION: 06.01.2021
VOLUME LIBRARY VERSION: 10.26.2021

CRUISE NO.	CUTTING UNIT NO.	CUTTING UNIT ACRES	CUTTING UNIT DESCRIPTION	LOG METHOD	PAYMENT UNIT NO.
23012	26	36.00		480	
23012	27C	32.00		480	
23012	27F	139.00		480	
23012	33	15.00		480	
23012	34	42.00		480	
23012	35C	14.00		480	
23012	35D	54.00		480	
TOTAL SALE ACRES:		332.00			

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 23012 SALE#: 23012
SALENAME: Black Heli
RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 5

VERSION: 06.01.2021
VOLUME LIBRARY VERSION: 10.26.2021

CRUISE NO.	CUTTING UNIT	STRATUM	PAYMENT UNIT
23012	26	01	
23012	27C	01	
23012	27F	01	
23012	33	01	
23012	34	01	
23012	35C	01	
23012	35D	01	

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 23012 SALE#: 23012
SALENAME: Black Heli
RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 6

VERSION: 06.01.2021
VOLUME LIBRARY VERSION: 10.26.2021

STRATUM	SAMPLE GROUP	FREQ	KZ	BIG BAF	SMALL FPS	DESCRIPTION
01	01	0	0	0		Sawlog
01	08	0	0	0		Non-Saw

A03: LISTING OF TREE MEASUREMENTS AND CHARACTERISTICS (A2)

PAGE 7

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

S	T	R	U	P	T	C	P	P	S	T	N	E	U	S	P	Y	I	E	L	R	M
A	N	L	R	I	P	S	G	A	E	U	E	D	A	E	P	M	A	D	O	H	P
A	T	T	E	S	I	C	P	E	S	T	S	F	D	P	D	E	B	T	E		

01	26	122	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	10.7	79	F		
01	26	122	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	10.7	81	F		
01	26	122	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	21.2	97	F		
01	26	122	4	DF	01	08	01	C	M	1	03	10	0	CL	L	0	14.6	84	F		
01	26	123	1	DF	01	08	01	C	M	1	03	5	0	CL	L	0	27.2	139	F		
01	26	123	2	DF	01	08	01	C	M	1	03	3	0	CL	L	0	25.2	144	F		
01	26	123	3	DF	01	08	01	C	M	1	03	0	0	CL	L	0	14.4	63	F		
01	26	123	4	DF	01	08	01	C	M	1	03	2	0	CL	L	0	16.1	125	F		
01	26	123	5	DF	01	08	01	C	M	1	03	4	0	CL	L	0	29.5	140	F		
01	26	123	6	GF	01	08	01	C	M	1	03	3	0	CL	L	0	24.3	143	F		
01	26	125	1	DF	01	08	01	C	M	1	03	35	35	CL	L	0	15.6	90	F		
01	26	125	2	DF	01	08	01	C	M	1	03	8	0	CL	L	0	21.1	96	F		
01	26	125	3	DF	01	08	01	C	M	1	03	4	0	CL	L	0	15.4	97	F		
01	26	125	4	DF	01	08	01	C	M	1	03	3	0	CL	L	0	14.1	92	F		
01	26	128	1	DF	01	08	01	C	M	1	03	22	0	CL	L	0	17.9	95	F		
01	26	128	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	20.8	104	F		
01	26	130	1	DF	01	08	01	C	M	1	03	3	0	CL	L	0	15.9	95	F		
01	26	130	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	16.4	108	F		
01	26	130	3	DF	01	08	01	C	M	1	03	8	0	CL	L	0	15.3	107	F		
01	26	130	4	DF	01	08	01	C	M	1	03	12	0	CL	L	0	19.9	110	F		
01	26	130	5	DF	01	08	01	C	M	1	03	0	0	CL	L	0	22.2	115	F		
01	26	134	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	14.3	84	F		
01	26	134	2	DF	01	08	01	C	M	1	03	1	0	CL	L	0	15.8	86	F		
01	27C	95	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	15.3	88	F		
01	27C	95	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	15.2	80	F		
01	27C	101	1	DF	01	08	01	C	M	1	03	39	22	CL	L	0	17.9	92	F		
01	27C	101	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	22.0	98	F		
01	27C	101	3	DF	08	08	08	C	M	1	03	0	0	CL	D	0	6.0	44	F		
01	27C	101	4	DF	01	08	01	C	M	1	03	7	0	CL	L	0	11.9	55	F		
01	27C	101	5	DF	01	08	01	C	M	1	03	17	0	CL	L	0	10.2	63	F		
01	27C	101	6	DF	01	08	01	C	M	1	03	9	0	CL	L	0	22.2	131	F		

A03: LISTING OF TREE MEASUREMENTS AND CHARACTERISTICS (A2)

PAGE 8

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

S	T	R	U	P	T	C	P	P	S	T	P	P	Y	I	E	M
A	N	L	R	I	P	S	G	A	E	U	E	D	O	E	A	-
T	I	O	E	E	R	E	R	V	A	N	A	E	P	M	A	D
A	T	T	E	S	I	C	P	E	S	T	S	F	D	P	D	E

01	27C	106	1	DF	01	08	01	C	M	1	03	5	0	CL	L	0	17.1	56	F
01	27C	112	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	9.0	60	F
01	27C	112	2	DF	01	08	01	C	M	1	03	25	0	CL	L	0	26.0	112	F
01	27C	115	1	DF	01	08	01	C	M	1	03	3	0	CL	L	0	13.4	78	F
01	27C	115	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	16.4	76	F
01	27C	117	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	22.5	101	F
01	27C	117	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	17.6	94	F
01	27C	117	3	DF	01	08	01	C	M	1	03	0	0	CL	L	0	15.5	91	F
01	27C	117	4	DF	01	08	01	C	M	1	03	5	0	CL	L	0	25.2	110	F
01	27C	117	5	DF	01	08	01	C	M	1	03	4	0	CL	L	0	17.0	85	F
01	27C	118	1	DF	01	08	01	C	M	1	03	6	0	CL	L	0	16.7	84	F
01	27C	118	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	11.1	78	F
01	27C	118	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	13.4	77	F
01	27C	118	4	DF	01	08	01	C	M	1	03	4	0	CL	L	0	11.4	79	F
01	27C	118	5	DF	08	08	08	C	M	1	03	0	0	CL	L	0	5.9	49	F
01	27F	49	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	11.8	88	F
01	27F	49	2	DF	01	08	01	C	M	1	03	4	0	CL	L	0	13.8	95	F
01	27F	49	3	DF	01	08	01	C	M	1	03	5	0	CL	L	0	19.8	107	F
01	27F	49	4	DF	01	08	01	C	M	1	03	2	0	CL	L	0	18.8	101	F
01	27F	49	5	DF	01	08	01	C	M	1	03	3	0	CL	L	0	14.1	95	F
01	27F	49	6	DF	01	08	01	C	M	1	03	12	0	CL	L	0	19.9	107	F
01	27F	53	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	11.5	72	F
01	27F	53	2	DF	01	08	01	C	M	1	03	4	0	CL	L	0	15.3	72	F
01	27F	57	1	DF	01	08	01	C	M	1	03	4	0	CL	L	0	17.5	94	F
01	27F	57	2	DF	01	08	01	C	M	1	03	5	0	CL	L	0	17.1	93	F
01	27F	57	3	PP	01	08	01	C	M	1	03	8	0	CL	L	0	12.8	87	F
01	27F	57	4	DF	08	08	08	C	M	1	03	0	0	CL	D	0	11.5	72	F
01	27F	57	5	DF	08	08	08	C	M	1	03	0	0	CL	D	0	23.0	93	F
01	27F	57	6	PP	01	08	01	C	M	1	03	2	0	CL	L	0	13.2	98	F
01	27F	60	1	PP	01	08	01	C	M	1	03	10	0	CL	L	0	25.5	97	F
01	27F	60	2	PP	01	08	01	C	M	1	03	2	0	CL	L	0	16.5	92	F

A03: LISTING OF TREE MEASUREMENTS AND CHARACTERISTICS (A2)

PAGE 9

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

S	T	R	U	P	T	C	P	P	S	T	N	E	U	S	P	Y	I	E	M
A	N	L	R	I	P	S	G	A	E	U	E	D	O	E	A	-	Y		
T	I	O	E	E	R	E	R	V	A	N	A	E	P	M	A	D	O	H	
A	T	T	E	S	I	C	P	E	S	T	S	F	D	P	D	E	B	T	

01	27F	63	1	DF	01	08	01	C	M	1	03	10	0	CL	L	0	18.7	97	F
01	27F	63	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	25.2	95	F
01	27F	63	3	PP	01	08	01	C	M	1	03	9	9	CL	L	0	22.9	98	F
01	27F	63	4	PP	01	08	01	C	M	1	03	14	4	CL	L	0	21.1	109	F
01	27F	66	1	DF	08	08	08	C	M	1	03	0	0	CL	D	0	24.3	100	F
01	27F	66	2	DF	08	08	08	C	M	1	03	0	0	CL	D	0	16.8	94	F
01	27F	66	3	DF	08	08	08	C	M	1	03	0	0	CL	D	0	25.2	106	F
01	27F	68	1	DF	01	08	01	C	M	1	03	6	0	CL	L	0	17.9	92	F
01	27F	68	2	DF	01	08	01	C	M	1	03	3	0	CL	L	0	17.8	87	F
01	27F	68	3	DF	01	08	01	C	M	1	03	0	0	CL	L	0	20.4	99	F
01	27F	69	1	PP	01	08	01	C	M	1	03	25	24	CL	L	0	24.0	100	F
01	27F	69	2	DF	01	08	01	C	M	1	03	10	0	CL	L	0	25.2	119	F
01	27F	69	3	PP	01	08	01	C	M	1	03	8	0	CL	L	0	11.5	87	F
01	27F	69	4	DF	01	08	01	C	M	1	03	16	0	CL	L	0	28.3	120	F
01	27F	69	5	PP	01	08	01	C	M	1	03	2	0	CL	L	0	23.1	135	F
01	27F	70	1	DF	01	08	01	C	M	1	03	6	0	CL	L	0	7.2	66	F
01	27F	70	2	DF	01	08	01	C	M	1	03	9	0	CL	L	0	9.6	76	F
01	27F	70	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	15.7	96	F
01	27F	70	4	DF	01	08	01	C	M	1	03	2	0	CL	L	0	14.1	96	F
01	27F	73	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	24.8	111	F
01	27F	75	1	DF	08	08	08	C	M	1	03	0	0	CL	D	0	10.5	60	F
01	27F	75	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	17.5	94	F
01	27F	75	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	18.3	97	F
01	27F	75	4	DF	01	08	01	C	M	1	03	0	0	CL	L	0	25.4	118	F
01	27F	79	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	16.1	100	F
01	27F	79	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	13.8	95	F
01	27F	80	1	DF	01	08	01	C	M	1	03	9	0	CL	L	0	21.5	103	F
01	27F	80	2	DF	01	08	01	C	M	1	03	7	0	CL	L	0	16.5	92	F
01	27F	85	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	22.8	121	F
01	27F	85	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	22.9	103	F
01	27F	85	3	DF	01	08	01	C	M	1	03	3	0	CL	L	0	19.0	115	F

A03: LISTING OF TREE MEASUREMENTS AND CHARACTERISTICS (A2)

PAGE 10

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

S	T	R	U	P	T	C	P	P	S	T	N	E	U	S	P	Y	I	E	M	R	H	T	T
A	N	L	R	I	P	S	G	A	E	U	E	D	O	E	A	-			Y				
T	I	O	E	E	R	E	R	V	A	N	A	E	P	M	A	D	O	H	P				
A	T	T	E	S	I	C	P	E	S	T	S	F	D	P	D	E	B	T	E				

01	27F	85	4	DF	08	08	08	C	M	1	03	0	0	CL	D	0	13.4	85	F
01	27F	85	5	DF	01	08	01	C	M	1	03	0	0	CL	L	0	14.3	113	F
01	27F	85	6	DF	01	08	01	C	M	1	03	3	0	CL	L	0	15.6	112	F
01	27F	86	1	DF	01	08	01	C	M	1	03	7	0	CL	L	0	22.5	118	F
01	27F	86	2	PP	01	08	01	C	M	1	03	3	0	CL	L	0	15.6	100	F
01	27F	86	3	PP	01	08	01	C	M	1	03	8	0	CL	L	0	24.6	102	F
01	27F	89	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	12.5	89	F
01	27F	89	2	DF	01	08	01	C	M	1	03	6	0	CL	L	0	16.9	104	F
01	27F	89	3	DF	01	08	01	C	M	1	03	4	0	CL	L	0	15.2	108	F
01	27F	89	4	DF	01	08	01	C	M	1	03	4	0	CL	L	0	16.1	91	F
01	27F	89	5	DF	01	08	01	C	M	1	03	4	0	CL	L	0	10.8	67	F
01	27F	89	6	DF	01	08	01	C	M	1	03	4	0	CL	L	0	13.5	69	F
01	27F	91	1	DF	01	08	01	C	M	1	03	4	0	CL	L	0	19.5	127	F
01	27F	91	2	GF	01	08	01	C	M	1	03	2	0	CL	L	0	19.7	111	F
01	27F	100	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	18.0	86	F
01	27F	100	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	20.6	109	F
01	27F	100	3	DF	01	08	01	C	M	1	03	4	0	CL	L	0	25.7	102	F
01	27F	100	4	PP	01	08	01	C	M	1	03	16	0	CL	L	0	15.6	87	F
01	27F	100	5	PP	01	08	01	C	M	1	03	0	0	CL	L	0	7.2	36	F
01	27F	110	1	DF	01	08	01	C	M	1	03	3	0	CL	L	0	17.3	85	F
01	27F	110	2	DF	01	08	01	C	M	1	03	3	0	CL	L	0	19.8	87	F
01	27F	110	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	17.8	81	F
01	27F	110	4	DF	01	08	01	C	M	1	03	2	0	CL	L	0	21.1	98	F
01	27F	113	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	20.8	106	F
01	27F	113	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	21.5	115	F
01	33	43	1	DF	01	08	01	C	M	1	03	5	0	CL	L	0	17.1	91	F
01	33	43	2	DF	01	08	01	C	M	1	03	15	0	CL	L	0	19.5	101	F
01	33	43	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	17.7	98	F
01	33	43	4	DF	01	08	01	C	M	1	03	0	0	CL	L	0	24.2	131	F
01	33	45	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	11.8	81	F
01	33	45	2	DF	01	08	01	C	M	1	03	6	0	CL	L	0	18.5	109	F

A03: LISTING OF TREE MEASUREMENTS AND CHARACTERISTICS (A2)

PAGE 11

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

S	T	R	U	P	T	C	P	P	S	T	N	E	U	S	P	Y	I	E	M	R	H	T	T
A	N	L	R	I	P	S	G	A	E	U	E	D	O	E	A	-	Y						
T	I	O	E	E	R	E	R	V	A	N	A	E	P	M	A	D	O	H	P				
A	T	T	E	S	I	C	P	E	S	T	S	F	D	P	D	E	B	T	E				

01	33	45	3	DF	01	08	01	C	M	1	03	6	0	CL	L	0	19.7	109	F
01	33	47	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	11.3	73	F
01	33	47	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	20.7	117	F
01	33	47	3	DF	01	08	01	C	M	1	03	4	0	CL	L	0	9.1	75	F
01	34	29	1	PP	01	08	01	C	M	1	03	8	0	CL	L	0	20.5	111	F
01	34	29	2	PP	08	08	08	C	M	1	03	32	0	CL	D	0	23.5	115	F
01	34	31	1	PP	01	08	01	C	M	1	03	0	0	CL	L	0	22.0	116	F
01	34	31	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	20.4	100	F
01	34	32	1	PP	01	08	01	C	M	1	03	44	0	CL	L	0	28.4	130	F
01	34	36	1	PP	01	08	01	C	M	1	03	4	0	CL	L	0	13.4	59	F
01	34	36	2	PP	01	08	01	C	M	1	03	3	0	CL	L	0	17.6	83	F
01	34	36	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	16.3	82	F
01	34	36	4	PP	01	08	01	C	M	1	03	4	0	CL	L	0	14.4	58	F
01	34	38	1	DF	01	08	01	C	M	1	03	5	0	CL	L	0	13.0	65	F
01	34	42	1	DF	01	08	01	C	M	1	03	20	0	CL	L	0	12.2	60	F
01	34	42	2	DF	01	08	01	C	M	1	03	0	0	CL	L	0	7.7	45	F
01	34	42	3	DF	01	08	01	C	M	1	03	11	0	CL	L	0	8.1	57	F
01	34	42	4	PP	01	08	01	C	M	1	03	2	0	CL	L	0	24.0	108	F
01	35C	2	1	DF	08	08	08	C	M	1	03	0	0	CL	D	0	15.8	96	F
01	35C	2	2	DF	08	08	08	C	M	1	03	0	0	CL	D	0	12.9	87	F
01	35C	2	3	DF	08	08	08	C	M	1	03	0	0	CL	D	0	18.7	102	F
01	35C	2	4	GF	08	08	08	C	M	1	03	0	0	CL	D	0	7.5	43	F
01	35C	7	1	DF	01	08	01	C	M	1	03	6	0	CL	L	0	25.0	105	F
01	35C	7	2	DF	01	08	01	C	M	1	03	3	0	CL	L	0	13.0	67	F
01	35C	7	3	DF	08	08	08	C	M	1	03	0	0	CL	L	0	6.7	35	F
01	35C	7	4	DF	01	08	01	C	M	1	03	20	0	CL	L	0	10.8	71	F
01	35C	10	1	PP	01	08	01	C	M	1	03	2	0	CL	L	0	16.8	81	F
01	35C	10	2	PP	01	08	01	C	M	1	03	0	0	CL	L	0	12.1	78	F
01	35C	10	3	PP	01	08	01	C	M	1	03	0	0	CL	L	0	14.3	81	F
01	35C	10	4	PP	01	08	01	C	M	1	03	0	0	CL	L	0	14.3	86	F
01	35D	4	1	GF	01	08	01	C	M	1	03	0	0	CL	L	0	14.8	84	F

CRUISE#: 23012

SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

[illegible]

01	35D	4	2	GF	01	08	01	C	M	1	03	12	0	CL	L	0	9.1	41	F
01	35D	4	3	GF	01	08	01	C	M	1	03	4	0	CL	L	0	14.1	82	F
01	35D	9	1	DF	01	08	01	C	M	1	03	8	0	CL	L	0	21.4	113	F
01	35D	9	2	GF	01	08	01	C	M	1	03	13	0	CL	L	0	16.1	100	F
01	35D	12	1	DF	01	08	01	C	M	1	03	3	0	CL	L	0	10.5	71	F
01	35D	17	1	DF	01	08	01	C	M	1	03	0	0	CL	L	0	18.4	94	F
01	35D	17	2	DF	01	08	01	C	M	1	03	3	0	CL	L	0	15.2	86	F
01	35D	17	3	DF	01	08	01	C	M	1	03	2	0	CL	L	0	12.7	68	F
01	35D	17	4	DF	01	08	01	C	M	1	03	2	0	CL	L	0	12.5	81	F
01	35D	19	1	DF	01	08	01	C	M	1	03	3	0	CL	L	0	15.8	90	F
01	35D	19	2	DF	08	08	08	C	M	1	03	0	0	CL	D	0	15.0	82	F
01	35D	19	3	DF	08	08	08	C	M	1	03	30	0	CL	D	0	16.2	70	F
01	35D	20	1	DF	01	08	01	C	M	1	03	6	0	CL	L	0	20.9	89	F
01	35D	20	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	13.1	84	F
01	35D	23	1	PP	01	08	01	C	M	1	03	0	0	CL	L	0	27.1	101	F
01	35D	23	2	PP	01	08	01	C	M	1	03	2	0	CL	L	0	15.5	93	F
01	35D	23	3	DF	01	08	01	C	M	1	03	0	0	CL	L	0	9.5	56	F
01	35D	23	4	DF	01	08	01	C	M	1	03	0	0	CL	L	0	7.6	55	F
01	35D	23	5	DF	01	08	01	C	M	1	03	0	0	CL	L	0	10.1	54	F
01	35D	26	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	15.7	80	F
01	35D	26	2	PP	01	08	01	C	M	1	03	0	0	CL	L	0	13.1	80	F
01	35D	28	1	DF	01	08	01	C	M	1	03	2	0	CL	L	0	12.3	80	F
01	35D	28	2	DF	01	08	01	C	M	1	03	2	0	CL	L	0	11.2	78	F
01	35D	28	3	DF	01	08	01	C	M	1	03	0	0	CL	L	0	20.1	86	F
01	35D	28	4	DF	01	08	01	C	M	1	03	3	0	CL	L	0	20.0	104	F

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S		P		D		T		***** PER TREE *****				***** PER ACRE/PER STRATA *****			
T		E		B		T		*** PRIMARY *** ** SECONDARY **				** PRIMARY ** ** SECONDARY **			
R U		P T		C		H									
A N		L R		I		- H									
T I		O E		E		O G									
A T		T E		S		B T		GROSS	NET	GROSS	NET	TREE	CHAR	EXP	
								BDFT	BDFT	BDFT	BDFT	FAC	FAC	FAC	
01	26	122	1	DF	10.7	79		80.0	74.0	0.0	0.0	64.059	0.000	1.124	0.0
01	26	122	2	DF	10.7	81		80.0	76.0	0.0	0.0	64.059	0.000	1.124	0.0
01	26	122	3	DF	21.2	97		390.0	382.0	0.0	0.0	16.318	0.000	0.286	0.0
01	26	122	4	DF	14.6	84		160.0	144.0	0.0	0.0	34.406	0.000	0.604	0.0
01	26	123	1	DF	27.2	139		1120.0	1064.0	0.0	0.0	9.913	0.000	0.174	0.0
01	26	123	2	DF	25.2	144		970.0	941.0	0.0	0.0	11.549	0.000	0.203	0.0
01	26	123	3	DF	14.4	63		90.0	90.0	0.0	0.0	35.369	0.000	0.621	0.0
01	26	123	4	DF	16.1	125		310.0	304.0	0.0	0.0	28.294	0.000	0.496	0.0
01	26	123	5	DF	29.5	140		1330.0	1277.0	0.0	0.0	8.428	0.000	0.148	0.0
01	26	123	6	GF	24.3	143		1230.0	1193.0	0.0	0.0	12.420	0.000	0.218	0.0
01	26	125	1	DF	15.6	90		210.0	137.0	0.0	0.0	30.137	0.000	0.529	0.0
01	26	125	2	DF	21.1	96		390.0	359.0	0.0	0.0	16.473	0.000	0.289	0.0
01	26	125	3	DF	15.4	97		220.0	211.0	0.0	0.0	30.925	0.000	0.543	0.0
01	26	125	4	DF	14.1	92		180.0	175.0	0.0	0.0	36.890	0.000	0.647	0.0
01	26	128	1	DF	17.9	95		280.0	218.0	0.0	0.0	22.890	0.000	0.402	0.0
01	26	128	2	DF	20.8	104		430.0	421.0	0.0	0.0	16.952	0.000	0.297	0.0
01	26	130	1	DF	15.9	95		220.0	213.0	0.0	0.0	29.010	0.000	0.509	0.0
01	26	130	2	DF	16.4	108		290.0	290.0	0.0	0.0	27.268	0.000	0.478	0.0
01	26	130	3	DF	15.3	107		250.0	230.0	0.0	0.0	31.330	0.000	0.550	0.0
01	26	130	4	DF	19.9	110		420.0	370.0	0.0	0.0	18.520	0.000	0.325	0.0
01	26	130	5	DF	22.2	115		570.0	570.0	0.0	0.0	14.881	0.000	0.261	0.0
01	26	134	1	DF	14.3	84		160.0	157.0	0.0	0.0	35.865	0.000	0.629	0.0
01	26	134	2	DF	15.8	86		190.0	188.0	0.0	0.0	29.379	0.000	0.515	0.0
01	27C	95	1	DF	15.3	88		180.0	180.0	0.0	0.0	31.330	0.000	0.550	0.0
01	27C	95	2	DF	15.2	80		160.0	152.0	0.0	0.0	31.744	0.000	0.557	0.0
01	27C	101	1	DF	17.9	92		280.0	171.0	0.0	0.0	22.890	0.000	0.402	0.0
01	27C	101	2	DF	22.0	98		420.0	412.0	0.0	0.0	15.153	0.000	0.266	0.0
01	27C	101	3	DF	6.0	44		20.0	20.0	0.0	0.0	203.724	0.000	3.574	0.0
01	27C	101	4	DF	11.9	55		50.0	47.0	0.0	0.0	51.791	0.000	0.909	0.0
01	27C	101	5	DF	10.2	63		50.0	42.0	0.0	0.0	70.493	0.000	1.237	0.0

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

				S			T											
S				P			O											
T				E			T											
R				C			H											
U				R			I											
P				L			-											
A				R			H											
N				E			O											
I				E			G											
O				S			T											
T																		
A																		

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S		P		D		T		***** PER TREE *****				***** PER ACRE/PER STRATA *****			
T		E		B		T		*** PRIMARY ***		** SECONDARY **		** PRIMARY **		** SECONDARY **	
R U		P T		C		H		GROSS	NET	GROSS	NET	TREE	CHAR	EXP	
A N		L R		I		- H		BDFT	BDFT	BDFT	BDFT	FAC	FAC	FAC	
T I		O E		E		O G									
A T		T E		S		B T									
01	27F	60	1	PP	25.5	97		720.0	648.0	0.0	0.0	11.279	0.000	0.198	0.0
01	27F	60	2	PP	16.5	92		240.0	235.0	0.0	0.0	26.939	0.000	0.473	0.0
01	27F	63	1	DF	18.7	97		310.0	279.0	0.0	0.0	20.973	0.000	0.368	0.0
01	27F	63	2	DF	25.2	95		550.0	550.0	0.0	0.0	11.549	0.000	0.203	0.0
01	27F	63	3	PP	22.9	98		560.0	510.0	0.0	0.0	13.985	0.000	0.245	0.0
01	27F	63	4	PP	21.1	109		540.0	464.0	0.0	0.0	16.473	0.000	0.289	0.0
01	27F	66	1	DF	24.3	100		560.0	560.0	0.0	0.0	12.420	0.000	0.218	0.0
01	27F	66	2	DF	16.8	94		260.0	260.0	0.0	0.0	25.985	0.000	0.456	0.0
01	27F	66	3	DF	25.2	106		670.0	670.0	0.0	0.0	11.549	0.000	0.203	0.0
01	27F	68	1	DF	17.9	92		280.0	263.0	0.0	0.0	22.890	0.000	0.402	0.0
01	27F	68	2	DF	17.8	87		240.0	233.0	0.0	0.0	23.148	0.000	0.406	0.0
01	27F	68	3	DF	20.4	99		370.0	370.0	0.0	0.0	17.623	0.000	0.309	0.0
01	27F	69	1	PP	24.0	100		630.0	473.0	0.0	0.0	12.733	0.000	0.223	0.0
01	27F	69	2	DF	25.2	119		800.0	720.0	0.0	0.0	11.549	0.000	0.203	0.0
01	27F	69	3	PP	11.5	87		100.0	92.0	0.0	0.0	55.456	0.000	0.973	0.0
01	27F	69	4	DF	28.3	120		1030.0	865.0	0.0	0.0	9.157	0.000	0.161	0.0
01	27F	69	5	PP	23.1	135		950.0	931.0	0.0	0.0	13.744	0.000	0.241	0.0
01	27F	70	1	DF	7.2	66		20.0	19.0	0.0	0.0	141.475	0.000	2.482	0.0
01	27F	70	2	DF	9.6	76		60.0	55.0	0.0	0.0	79.580	0.000	1.396	0.0
01	27F	70	3	DF	15.7	96		220.0	216.0	0.0	0.0	29.754	0.000	0.522	0.0
01	27F	70	4	DF	14.1	96		180.0	176.0	0.0	0.0	36.890	0.000	0.647	0.0
01	27F	73	1	DF	24.8	111		680.0	680.0	0.0	0.0	11.925	0.000	0.209	0.0
01	27F	75	1	DF	10.5	60		50.0	50.0	0.0	0.0	66.522	0.000	1.167	0.0
01	27F	75	2	DF	17.5	94		270.0	270.0	0.0	0.0	23.948	0.000	0.420	0.0
01	27F	75	3	DF	18.3	97		320.0	314.0	0.0	0.0	21.900	0.000	0.384	0.0
01	27F	75	4	DF	25.4	118		790.0	790.0	0.0	0.0	11.368	0.000	0.199	0.0
01	27F	79	1	DF	16.1	100		240.0	240.0	0.0	0.0	28.294	0.000	0.496	0.0
01	27F	79	2	DF	13.8	95		180.0	176.0	0.0	0.0	38.511	0.000	0.676	0.0
01	27F	80	1	DF	21.5	103		480.0	437.0	0.0	0.0	15.866	0.000	0.278	0.0
01	27F	80	2	DF	16.5	92		240.0	223.0	0.0	0.0	26.939	0.000	0.473	0.0

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S		P		D		T		***** PER TREE *****				***** PER ACRE/PER STRATA *****			
T		E		B		T		*** PRIMARY *** ** SECONDARY **				** PRIMARY ** ** SECONDARY **			
R U		P T		C		H		GROSS	NET	GROSS	NET	TREE	CHAR	EXP	
A N		L R		I		- H		BDFT	BDFT	BDFT	BDFT	FAC	FAC	FAC	
T I		O E		E		O G									
A T		T E		S		B T									
01	27F	85	1	DF	22.8	121		660.0	660.0	0.0	0.0	14.108	0.000	0.248	0.0
01	27F	85	2	DF	22.9	103		520.0	510.0	0.0	0.0	13.985	0.000	0.245	0.0
01	27F	85	3	DF	19.0	115		410.0	398.0	0.0	0.0	20.316	0.000	0.356	0.0
01	27F	85	4	DF	13.4	85		150.0	150.0	0.0	0.0	40.845	0.000	0.717	0.0
01	27F	85	5	DF	14.3	113		220.0	220.0	0.0	0.0	35.865	0.000	0.629	0.0
01	27F	85	6	DF	15.6	112		260.0	252.0	0.0	0.0	30.137	0.000	0.529	0.0
01	27F	86	1	DF	22.5	118		580.0	539.0	0.0	0.0	14.487	0.000	0.254	0.0
01	27F	86	2	PP	15.6	100		240.0	233.0	0.0	0.0	30.137	0.000	0.529	0.0
01	27F	86	3	PP	24.6	102		680.0	626.0	0.0	0.0	12.119	0.000	0.213	0.0
01	27F	89	1	DF	12.5	89		130.0	127.0	0.0	0.0	46.938	0.000	0.823	0.0
01	27F	89	2	DF	16.9	104		280.0	263.0	0.0	0.0	25.679	0.000	0.451	0.0
01	27F	89	3	DF	15.2	108		260.0	250.0	0.0	0.0	31.744	0.000	0.557	0.0
01	27F	89	4	DF	16.1	91		210.0	202.0	0.0	0.0	28.294	0.000	0.496	0.0
01	27F	89	5	DF	10.8	67		60.0	58.0	0.0	0.0	62.878	0.000	1.103	0.0
01	27F	89	6	DF	13.5	69		90.0	86.0	0.0	0.0	40.242	0.000	0.706	0.0
01	27F	91	1	DF	19.5	127		490.0	470.0	0.0	0.0	19.287	0.000	0.338	0.0
01	27F	91	2	GF	19.7	111		520.0	510.0	0.0	0.0	18.898	0.000	0.332	0.0
01	27F	100	1	DF	18.0	86		250.0	230.0	0.0	0.0	22.636	0.000	0.397	0.0
01	27F	100	2	DF	20.6	109		460.0	460.0	0.0	0.0	17.283	0.000	0.303	0.0
01	27F	100	3	DF	25.7	102		660.0	634.0	0.0	0.0	11.104	0.000	0.195	0.0
01	27F	100	4	PP	15.6	87		210.0	176.0	0.0	0.0	30.137	0.000	0.529	0.0
01	27F	100	5	PP	7.2	36		0.0	0.0	0.0	0.0	141.475	0.000	2.482	0.0
01	27F	110	1	DF	17.3	85		220.0	213.0	0.0	0.0	24.505	0.000	0.430	0.0
01	27F	110	2	DF	19.8	87		320.0	310.0	0.0	0.0	18.707	0.000	0.328	0.0
01	27F	110	3	DF	17.8	81		210.0	206.0	0.0	0.0	23.148	0.000	0.406	0.0
01	27F	110	4	DF	21.1	98		390.0	382.0	0.0	0.0	16.473	0.000	0.289	0.0
01	27F	113	1	DF	20.8	106		460.0	451.0	0.0	0.0	16.952	0.000	0.297	0.0
01	27F	113	2	DF	21.5	115		520.0	510.0	0.0	0.0	15.866	0.000	0.278	0.0
01	33	43	1	DF	17.1	91		250.0	238.0	0.0	0.0	25.081	0.000	0.440	0.0
01	33	43	2	DF	19.5	101		370.0	315.0	0.0	0.0	19.287	0.000	0.338	0.0

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S	T	P	D	O													
T		E	B	T													
R	U	P	T	C	H												
A	N	L	R	I	-	H											
T	I	O	E	E	O	G											
A	T	T	E	S	B	T											
***** PER TREE *****																	
*** PRIMARY *** ** SECONDARY **																	
** PRIMARY ** ** SECONDARY **																	
GROSS NET GROSS NET TREE CHAR EXP GROSS NET GROSS NET																	
BDFT BDFT BDFT BDFT FAC FAC FAC BDFT BDFT BDFT BDFT																	
01	33	43	3	DF	17.7	98	280.0	274.0	0.0	0.0	23.410	0.000	0.411	115.1	112.6	0.0	0.0
01	33	43	4	DF	24.2	131	780.0	780.0	0.0	0.0	12.523	0.000	0.220	171.6	171.6	0.0	0.0
01	33	45	1	DF	11.8	81	90.0	88.0	0.0	0.0	52.672	0.000	0.924	83.2	81.3	0.0	0.0
01	33	45	2	DF	18.5	109	360.0	338.0	0.0	0.0	21.429	0.000	0.376	135.4	127.1	0.0	0.0
01	33	45	3	DF	19.7	109	420.0	395.0	0.0	0.0	18.898	0.000	0.332	139.4	131.1	0.0	0.0
01	33	47	1	DF	11.3	73	70.0	64.0	0.0	0.0	57.437	0.000	1.008	70.6	64.5	0.0	0.0
01	33	47	2	DF	20.7	117	510.0	510.0	0.0	0.0	17.116	0.000	0.300	153.0	153.0	0.0	0.0
01	33	47	3	DF	9.1	75	50.0	48.0	0.0	0.0	88.565	0.000	1.554	77.7	74.6	0.0	0.0
01	34	29	1	PP	20.5	111	500.0	460.0	0.0	0.0	17.452	0.000	0.306	153.0	140.8	0.0	0.0
01	34	29	2	PP	23.5	115	760.0	517.0	0.0	0.0	13.280	0.000	0.233	177.1	120.5	0.0	0.0
01	34	31	1	PP	22.0	116	640.0	640.0	0.0	0.0	15.153	0.000	0.266	170.2	170.2	0.0	0.0
01	34	31	2	DF	20.4	100	370.0	370.0	0.0	0.0	17.623	0.000	0.309	114.3	114.3	0.0	0.0
01	34	32	1	PP	28.4	130	1430.0	801.0	0.0	0.0	9.093	0.000	0.160	228.8	128.2	0.0	0.0
01	34	36	1	PP	13.4	59	90.0	86.0	0.0	0.0	40.845	0.000	0.717	64.5	61.7	0.0	0.0
01	34	36	2	PP	17.6	83	230.0	223.0	0.0	0.0	23.677	0.000	0.415	95.4	92.5	0.0	0.0
01	34	36	3	DF	16.3	82	180.0	176.0	0.0	0.0	27.604	0.000	0.484	87.1	85.2	0.0	0.0
01	34	36	4	PP	14.4	58	90.0	86.0	0.0	0.0	35.369	0.000	0.621	55.9	53.4	0.0	0.0
01	34	38	1	DF	13.0	65	90.0	86.0	0.0	0.0	43.397	0.000	0.761	68.5	65.4	0.0	0.0
01	34	42	1	DF	12.2	60	60.0	48.0	0.0	0.0	49.275	0.000	0.864	51.8	41.5	0.0	0.0
01	34	42	2	DF	7.7	45	10.0	10.0	0.0	0.0	123.698	0.000	2.170	21.7	21.7	0.0	0.0
01	34	42	3	DF	8.1	57	20.0	18.0	0.0	0.0	111.783	0.000	1.961	39.2	35.3	0.0	0.0
01	34	42	4	PP	24.0	108	680.0	666.0	0.0	0.0	12.733	0.000	0.223	151.6	148.5	0.0	0.0
01	35C	2	1	DF	15.8	96	220.0	220.0	0.0	0.0	29.379	0.000	0.515	113.3	113.3	0.0	0.0
01	35C	2	2	DF	12.9	87	150.0	150.0	0.0	0.0	44.072	0.000	0.773	116.0	116.0	0.0	0.0
01	35C	2	3	DF	18.7	102	340.0	340.0	0.0	0.0	20.973	0.000	0.368	125.1	125.1	0.0	0.0
01	35C	2	4	GF	7.5	43	20.0	20.0	0.0	0.0	130.383	0.000	2.287	45.7	45.7	0.0	0.0
01	35C	7	1	DF	25.0	105	670.0	630.0	0.0	0.0	11.735	0.000	0.206	138.0	129.8	0.0	0.0
01	35C	7	2	DF	13.0	67	90.0	87.0	0.0	0.0	43.397	0.000	0.761	68.5	66.2	0.0	0.0
01	35C	7	3	DF	6.7	35	10.0	10.0	0.0	0.0	163.379	0.000	2.866	28.7	28.7	0.0	0.0
01	35C	7	4	DF	10.8	71	60.0	48.0	0.0	0.0	62.878	0.000	1.103	66.2	52.9	0.0	0.0

PRIMARY AND SECONDARY PRODUCT
 VOLUME INFORMATION (A7)
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S	T	S	P	D	O												
T		E	B	T													
R	U	P	T	C	H	***** PER TREE *****											
A	N	L	R	I	-	H	***** PER ACRE/PER STRATA *****										
T	I	O	E	E	O	G	** PRIMARY ** ** SECONDARY **										
A	T	T	E	S	B	T	GROSS	NET	GROSS	NET	TREE	CHAR	EXP	GROSS	NET	GROSS	NET
							BDFT	BDFT	BDFT	BDFT	FAC	FAC	FAC	BDFT	BDFT	BDFT	BDFT
01	35C	10	1	PP	16.8	81	210.0	206.0	0.0	0.0	25.985	0.000	0.456	95.8	93.9	0.0	0.0
01	35C	10	2	PP	12.1	78	90.0	90.0	0.0	0.0	50.093	0.000	0.879	79.1	79.1	0.0	0.0
01	35C	10	3	PP	14.3	81	140.0	140.0	0.0	0.0	35.865	0.000	0.629	88.1	88.1	0.0	0.0
01	35C	10	4	PP	14.3	86	160.0	160.0	0.0	0.0	35.865	0.000	0.629	100.6	100.6	0.0	0.0
01	35D	4	1	GF	14.8	84	170.0	170.0	0.0	0.0	33.483	0.000	0.587	99.8	99.8	0.0	0.0
01	35D	4	2	GF	9.1	41	20.0	18.0	0.0	0.0	88.565	0.000	1.554	31.1	28.0	0.0	0.0
01	35D	4	3	GF	14.1	82	170.0	163.0	0.0	0.0	36.890	0.000	0.647	110.0	105.5	0.0	0.0
01	35D	9	1	DF	21.4	113	500.0	460.0	0.0	0.0	16.015	0.000	0.281	140.5	129.3	0.0	0.0
01	35D	9	2	GF	16.1	100	300.0	261.0	0.0	0.0	28.294	0.000	0.496	148.8	129.5	0.0	0.0
01	35D	12	1	DF	10.5	71	60.0	58.0	0.0	0.0	66.522	0.000	1.167	70.0	67.7	0.0	0.0
01	35D	17	1	DF	18.4	94	280.0	280.0	0.0	0.0	21.663	0.000	0.380	106.4	106.4	0.0	0.0
01	35D	17	2	DF	15.2	86	170.0	165.0	0.0	0.0	31.744	0.000	0.557	94.7	91.9	0.0	0.0
01	35D	17	3	DF	12.7	68	70.0	69.0	0.0	0.0	45.471	0.000	0.798	55.9	55.1	0.0	0.0
01	35D	17	4	DF	12.5	81	110.0	108.0	0.0	0.0	46.938	0.000	0.823	90.5	88.9	0.0	0.0
01	35D	19	1	DF	15.8	90	210.0	204.0	0.0	0.0	29.379	0.000	0.515	108.1	105.1	0.0	0.0
01	35D	19	2	DF	15.0	82	170.0	170.0	0.0	0.0	32.596	0.000	0.572	97.2	97.2	0.0	0.0
01	35D	19	3	DF	16.2	70	150.0	105.0	0.0	0.0	27.946	0.000	0.490	73.5	51.5	0.0	0.0
01	35D	20	1	DF	20.9	89	370.0	348.0	0.0	0.0	16.790	0.000	0.295	109.1	102.7	0.0	0.0
01	35D	20	2	DF	13.1	84	130.0	127.0	0.0	0.0	42.737	0.000	0.750	97.5	95.3	0.0	0.0
01	35D	23	1	PP	27.1	101	840.0	840.0	0.0	0.0	9.986	0.000	0.175	147.0	147.0	0.0	0.0
01	35D	23	2	PP	15.5	93	220.0	216.0	0.0	0.0	30.527	0.000	0.536	117.9	115.8	0.0	0.0
01	35D	23	3	DF	9.5	56	30.0	30.0	0.0	0.0	81.264	0.000	1.426	42.8	42.8	0.0	0.0
01	35D	23	4	DF	7.6	55	20.0	20.0	0.0	0.0	126.975	0.000	2.228	44.6	44.6	0.0	0.0
01	35D	23	5	DF	10.1	54	30.0	30.0	0.0	0.0	71.896	0.000	1.261	37.8	37.8	0.0	0.0
01	35D	26	1	DF	15.7	80	170.0	167.0	0.0	0.0	29.754	0.000	0.522	88.7	87.2	0.0	0.0
01	35D	26	2	PP	13.1	80	130.0	130.0	0.0	0.0	42.737	0.000	0.750	97.5	97.5	0.0	0.0
01	35D	28	1	DF	12.3	80	90.0	88.0	0.0	0.0	48.477	0.000	0.850	76.5	74.8	0.0	0.0
01	35D	28	2	DF	11.2	78	90.0	88.0	0.0	0.0	58.467	0.000	1.026	92.3	90.3	0.0	0.0
01	35D	28	3	DF	20.1	86	320.0	320.0	0.0	0.0	18.153	0.000	0.318	101.8	101.8	0.0	0.0
01	35D	28	4	DF	20.0	104	390.0	378.0	0.0	0.0	18.335	0.000	0.322	125.6	121.7	0.0	0.0

CONTRACT OF RECORD

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

C O N T R S P E C	***** PRIMARY PRODUCT *****													
	AVGDEF					GROSS	NET	***** CONTRACT SPECIES *****						
	S	P												
	P	R	U	%	%									
	E	O				BDF	BDF							
	C	D	O	B	C	CUFT	CUFT	AVG	** GROSS VOLUME **	** NET VOLUME **	GROSS	GROSS		
	E	C	F	F	F									
	S	T	M	T	T	RATIO	RATIO	DBH	BDF	CUFT	BDF	CUFT	CCF	MBF
DF	01	03		5	5	5.3908	5.3897	14.0	4709337	873587	4473613	830027	11.0	20.4
GF	01	03		5	5	5.6044	5.6174	13.5	275706	49194	262968	46813	8.6	15.3
PP	01	03		8	8	5.6604	5.6257	14.5	1081410	191048	991873	176312	9.5	16.8
PRODUCT	01	TOTAL		6	5	5.4465	5.4393	14.1	6066453	1113829	5728454	1053152	10.6	19.5
DF	08	03		2	2	5.5627	5.5746	9.5	476822	85718	469501	84221	18.3	32.9
GF	08	03		0	0	4.4444	4.4444	7.5	15186	3417	15186	3417	44.4	100.0
PP	08	03		32	32	6.1638	6.1695	23.5	58791	9538	39993	6482	5.7	9.2
PRODUCT	08	TOTAL		5	5	5.5821	5.5746	9.5	550798	98672	524680	94120	18.0	32.3
CONTR SPEC		TOTAL		6	5	5.4575	5.4504	13.3	6617251	1212501	6253134	1147273	11.2	20.6
CONTRACT SPECIES TOTALS				6	5	5.4575	5.4504	13.3	6617251	1212501	6253134	1147273	11.2	20.6

ST1: NET VOLUME STATISTICS FOR SAMPLE GROUP (DP1)
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 20

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

				S	*****PRIMARY PRODUCT NET VOLUME *****															
P	S				T															
S	R	U	A	G	NO	SUM														
T	O	M	S	A		SUM														
R	D	O	A			COEFF														
A	U	F	G	S	M	SAM	BIG	SMALL	t	MEAN	OF	OF	STANDARD	OF	STANDARD	SAMPLING	SAMPLING			
T	C	R	T																	
A	T	M	P	M	1/2	TREES	N	N*	VALUE	X	X	(X * X)	DEVIATION	VARIATION	ERROR	ERROR	ERROR			
01	01	03	01	N	1	163	0	57	2.000	3172.1	180812.13	806806673.92	2040.8541	64.3368	270.318	17.0432	17.043			
01	08	03	08	N	1	17	0	57	2.000	283.5	16157.47	43394455.92	832.5348	293.7000	110.272	77.8030	77.803			

* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

ST1: NET VOLUME STATISTICS FOR SAMPLE GROUP (DP1)
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 21

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

*****RECOVERED PRODUCT NET VOLUME *****																		
S T R A T A	P R O D U C T	U O F F I C I A L	S A M P L E	S T A T I S T I C I A N	S E R I A L	NO	SUM											
							SUM											
							COEFF											
							COMBINED											

* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

*****PRIMARY PRODUCT GROSS VOLUME *****																	
P			S	S													
S	R	U	A	T	G												
T	O		M	S	NO												
R	D	O		A													
A	U	F	G	S	M	SAM	BIG	SMALL	t	MEAN	OF	OF	STANDARD	OF	STANDARD	SAMPLING	SAMPLING
T	C	R	T														
A	T	M	P	M	1/2	TREES	N	N*	VALUE	X	X	(X * X)	DEVIATION	VARIATION	ERROR	ERROR	ERROR
01	01	03	01	N	1	163	0	57	2.000	3354.8	191226.27	898044938.25	2140.2191	63.7948	283.479	16.8997	16.900
01	08	03	08	N	1	17	0	57	2.000	297.2	16939.14	45741911.62	852.6008	286.8991	112.930	76.0014	76.001

* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

*****RECOVERED PRODUCT GROSS VOLUME*****															
S T G															
P	S														
S R U A	M	S	NO												
T O		A		SUM	SUM	COEFF									COMBINED
R D O															
A U F G S M	SAM	BIG	SMALL	t	MEAN	OF	OF	STANDARD	OF	STANDARD	SAMPLING	SAMPLING			
T C R T															
A T M P M 1/2	TREES	N	N*	VALUE	X	X	(X * X)	DEVIATION	VARIATION	ERROR	ERROR	ERROR			
01 08 03 01 N 1	163	0	57	2.000	20.8	1185.10	383364.47	80.0362	384.9516	10.601	101.9762	101.976			

* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

PRIMARY PRODUCT VOLUME

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

P			***** PRIMARY PRODUCT GROSS VOLUME *****				***** PRIMARY PRODUCT NET VOLUME *****			
S	R	U	***** 95% CONFIDENCE *****				***** 95% CONFIDENCE *****			
T	O		INTERVAL				INTERVAL			
R	D	O								
A	U	F								
T	C									
A	T	M	VOLUME*	ERROR	FROM	TO	VOLUME*	ERROR	FROM	TO
01	01	03	1113828.6	16.90	925595	1302062	1053152.3	17.04	873661	1232643
01	08	03	98672.5	76.00	23680	173665	94120.2	77.80	20892	167349
----- AGGREGATED BY PRODUCT -----										
	01	03	1113828.6	16.90	925595	1302062	1053152.3	17.04	873661	1232643
	08	03	98672.5	76.00	23680	173665	94120.2	77.80	20892	167349
----- AGGREGATED BY UNIT OF MEASURE -----										
		03	1212501.0	16.71	1009879	1415123	1147272.6	16.90	953418	1341127
----- AGGREGATED BY STRATA -----										
01		03	1212501.0	16.71	1009879	1415123	1147272.6	16.90	953418	1341127

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

RECOVERED PRODUCT VOLUME

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

P			***** RECOVERED PRODUCT GROSS VOLUME *****				***** RECOVERED PRODUCT NET VOLUME *****			
S R U			***** 95% CONFIDENCE *****				***** 95% CONFIDENCE *****			
T O			INTERVAL				INTERVAL			
R D O										
A U F										
T C										
A	T	M	VOLUME*	ERROR	FROM	TO	VOLUME*	ERROR	FROM	TO
01	08	03	0.0	0.00	0	0	6901.4	101.98	-136	13939
	08	03	0.0	0.00	0	0	6901.4	101.98	-136	13939
	03		0.0	0.00	0	0	6901.4	101.98	-136	13939
01	03		0.0	0.00	0	0	6901.4	101.98	-136	13939

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

TOTAL VOLUME

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

P			***** TOTAL GROSS VOLUME *****				***** TOTAL NET VOLUME *****			
S R U			***** 95% CONFIDENCE *****				***** 95% CONFIDENCE *****			
T O			INTERVAL				INTERVAL			
R D O										
A U F										
T C										
A	T	M	VOLUME*	ERROR	FROM	TO	VOLUME*	ERROR	FROM	TO
----- AGGREGATED BY PRODUCT -----										
01	03		1113828.6	16.90	925595	1302062	1053152.3	17.04	873661	1232643
08	03		98672.5	76.00	23680	173665	101021.6	72.82	27456	174587
----- AGGREGATED BY UNIT OF MEASURE -----										
	03		1212501.0	16.71	1009879	1415123	1154173.9	16.81	960192	1348156
----- AGGREGATED BY STRATA -----										
01		03	1212501.0	16.71	1009879	1415123	1154173.9	16.81	960192	1348156

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

TC10: STAND TABLE FOR SALE 23012 -- NET CUFT VOLUME

PAGE 27

FOR PRIMARY PRODUCT ONLY - BY 2" DIAMETER CLASS

(12-inch class = 11.0 - 12.9 inches; 14-inch class = 13.0 - 14.9 inches, and so on.)

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

SPEC	DF	DF	GF	GF	PP	PP	
PROD	01	08	01	08	01	08	
U OF M	03	03	03	03	03	03	TOTALS
1-4	0	0	0	0	0	0	0
6	0	7985	0	0	0	0	7985
8	10231	0	0	3417	0	0	13648
10	48100	4572	2012	0	0	0	54684
12	68975	12415	0	0	17684	0	99074
14	91199	6570	13900	0	33233	0	144901
16	160232	24021	8168	0	33323	0	225743
18	124329	7538	0	0	6035	0	137902
20	124970	0	9656	0	8097	0	142723
22	97920	0	0	0	24045	0	121965
24	17401	13416	13078	0	32920	6482	83298
26	60186	7703	0	0	6876	0	74765
28	16788	0	0	0	14100	0	30888
30	9695	0	0	0	0	0	9695
TOTALS	830027	84221	46813	3417	176312	6482	1147273

TC72: STAND TABLE FOR SALE 23012 -- NET CUFT VOLUME

PAGE 28

PRIMARY AND SECONDARY PRODUCTS - BY 1" DIAMETER CLASS

(5-inch class = 4.6 - 5.5 inches; 9-inch class = 8.6 - 9.5 inches, and so on.)

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

VERSION: 06.01.2021

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VOLUME LIBRARY VERSION: 10.26.2021

SPEC	DF	GF	PP	
PROD	ALL	ALL	ALL	
U OF M	ALL	ALL	ALL	TOTALS
1-3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	5797	0	0	5797
7	4578	3417	0	7995
8	7842	0	0	7842
9	12303	2012	0	14315
10	21718	0	0	21718
11	52010	0	6008	58018
12	36647	0	5603	42251
13	49126	0	23128	72254
14	54270	6981	16178	77430
15	64468	6918	7118	78504
16	105045	8168	20149	133362
17	62567	0	6056	68622
18	68640	0	6035	74675
19	45181	0	0	45181
20	62955	9656	8097	80707
21	80600	0	7570	88171
22	39104	0	9414	48518
23	22588	0	25072	47660
24	16589	13078	14156	43823
25	62876	0	14110	76987
26	12861	0	0	12861
27	9647	0	7832	17479
28	7141	0	6268	13409
29	9695	0	0	9695
30	0	0	0	0
TOTALS	914248	50230	182795	1147273

BY 1" DIAMETER CLASS

(5-inch class = 4.6 - 5.5 inches; 9-inch class = 8.6 - 9.5 inches, and so on.)

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

SPEC	DF	GF	PP	
PROD	ALL	ALL	ALL	
U OF M	ALL	ALL	ALL	TOTALS
1-3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	2414	0	0	2414
7	1776	759	824	3359
8	2111	0	0	2111
9	1517	516	0	2033
10	2068	0	0	2068
11	3475	0	323	3798
12	2031	0	292	2323
13	2224	0	993	3217
14	1717	215	624	2556
15	1851	195	178	2224
16	2672	165	508	3345
17	1462	0	151	1613
18	1454	0	138	1592
19	708	0	0	708
20	961	110	102	1173
21	1060	0	96	1156
22	430	0	88	519
23	244	0	239	483
24	145	72	148	366
25	541	0	136	677
26	128	0	0	128
27	58	0	58	116
28	53	0	53	107
29	49	0	0	49
30	0	0	0	0
TOTALS	31150	2032	4951	38133

CONTRACT OF RECORD

UC1: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM-SAWTIMBER
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 30

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

***** PRIMARY PRODUCT *****															
AVGDEF															
S	S					GROSS	NET	***** STRATA LEVEL *****							
T	P	U		%	%	BDF	BDF	EST.							
R	U	C	P	O	B	C			NO OF	** GROSS VOLUME **	** NET VOLUME **				
A	N	I	R	F	D	U	CUFT	CUFT							
T	I	E	O		F	F									
A	T	S	D	M	T	T	RATIO	RATIO	TREES	BDF	CUFT	BDF	CUFT	CORDS	
01	26	DF	01	03	5	4	5.3908	5.3897	2772	510651	94726	485091	90003		
01	26	GF	01	03	4	4	5.6044	5.6174	138	29896	5334	28515	5076		
01	26	PP	01	03	8	7	5.6604	5.6257	528	117261	20716	107552	19118		
01	26	DF	08	03	1	1	5.5627	5.5746	606	51704	9295	50910	9132		
01	26	GF	08	03	0	0	4.4444	4.4444	82	1647	370	1647	370		
01	26	PP	08	03	31	32	6.1638	6.1695	8	6375	1034	4337	703		
			UNIT	26	TOTAL	5	5	5.4575	5.4504	4135	717533	131476	678051	124403	0.00
01	27C	DF	01	03	5	4	5.3908	5.3897	2464	453912	84201	431192	80003		
01	27C	GF	01	03	4	4	5.6044	5.6174	123	26574	4742	25346	4512		
01	27C	PP	01	03	8	7	5.6604	5.6257	470	104232	18414	95602	16994		
01	27C	DF	08	03	1	1	5.5627	5.5746	539	45959	8262	45253	8118		
01	27C	GF	08	03	0	0	4.4444	4.4444	73	1464	329	1464	329		
01	27C	PP	08	03	31	32	6.1638	6.1695	7	5667	919	3855	625		
			UNIT	27C	TOTAL	5	5	5.4575	5.4504	3675	637807	116868	602712	110580	0.00
01	27F	DF	01	03	5	4	5.3908	5.3897	10702	1971680	365749	1872989	347511		
01	27F	GF	01	03	4	4	5.6044	5.6174	533	115431	20596	110098	19600		
01	27F	PP	01	03	8	7	5.6604	5.6257	2041	452759	79987	415272	73817		
01	27F	DF	08	03	1	1	5.5627	5.5746	2340	199633	35888	196568	35261		
01	27F	GF	08	03	0	0	4.4444	4.4444	318	6358	1431	6358	1431		
01	27F	PP	08	03	31	32	6.1638	6.1695	32	24614	3993	16744	2714		
			UNIT	27F	TOTAL	5	5	5.4575	5.4504	15965	2770476	507643	2618029	480334	0.00
01	34	DF	01	03	5	4	5.3908	5.3897	3234	595760	110514	565939	105003		
01	34	GF	01	03	4	4	5.6044	5.6174	161	34878	6223	33267	5922		
01	34	PP	01	03	8	7	5.6604	5.6257	617	136805	24169	125478	22305		
01	34	DF	08	03	1	1	5.5627	5.5746	707	60321	10844	59395	10654		
01	34	GF	08	03	0	0	4.4444	4.4444	96	1921	432	1921	432		
01	34	PP	08	03	31	32	6.1638	6.1695	10	7437	1207	5059	820		
			UNIT	34	TOTAL	5	5	5.4575	5.4504	4824	837122	153389	791059	145137	0.00

UC1: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM-SAWTIMBER
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 31

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

***** PRIMARY PRODUCT *****															
AVGDEF															
S	S					GROSS	NET	***** STRATA LEVEL *****							
T	P		U		%			EST.							
R	U	C	P	O	B	C									
A	N	I	R	F	D	U	CUFT	CUFT	NO OF	** GROSS VOLUME **	** NET VOLUME **				
T	I	E	O		F	F									
A	T	S	D	M	T	T	RATIO	RATIO	TREES	BDFT	CUFT	BDFT	CUFT	CORDS	
01	33	DF	01	03	5	4	5.3908	5.3897	1155	212771	39469	202121	37501		
01	33	GF	01	03	4	4	5.6044	5.6174	58	12457	2223	11881	2115		
01	33	PP	01	03	8	7	5.6604	5.6257	220	48859	8632	44814	7966		
01	33	DF	08	03	1	1	5.5627	5.5746	252	21543	3873	21212	3805		
01	33	GF	08	03	0	0	4.4444	4.4444	34	686	154	686	154		
01	33	PP	08	03	31	32	6.1638	6.1695	3	2656	431	1807	293		
			UNIT	33	TOTAL	5	5	5.4575	5.4504	1723	298972	54782	282521	51835	0.00
01	35D	DF	01	03	5	4	5.3908	5.3897	4158	765977	142089	727636	135004		
01	35D	GF	01	03	4	4	5.6044	5.6174	207	44844	8001	42772	7614		
01	35D	PP	01	03	8	7	5.6604	5.6257	793	175892	31074	161329	28677		
01	35D	DF	08	03	1	1	5.5627	5.5746	909	77555	13942	76365	13699		
01	35D	GF	08	03	0	0	4.4444	4.4444	123	2470	556	2470	556		
01	35D	PP	08	03	31	32	6.1638	6.1695	13	9562	1551	6505	1054		
			UNIT	35D	TOTAL	5	5	5.4575	5.4504	6202	1076300	197214	1017076	186605	0.00
01	35C	DF	01	03	5	4	5.3908	5.3897	1078	198587	36838	188646	35001		
01	35C	GF	01	03	4	4	5.6044	5.6174	54	11626	2074	11089	1974		
01	35C	PP	01	03	8	7	5.6604	5.6257	206	45602	8056	41826	7435		
01	35C	DF	08	03	1	1	5.5627	5.5746	236	20107	3615	19798	3551		
01	35C	GF	08	03	0	0	4.4444	4.4444	32	640	144	640	144		
01	35C	PP	08	03	31	32	6.1638	6.1695	3	2479	402	1686	273		
			UNIT	35C	TOTAL	5	5	5.4575	5.4504	1608	279041	51130	263686	48379	0.00
			STRATA	01	TOTAL	5	5	5.4575	5.4504	38133	6617251	1212501	6253134	1147273	0.00

TOTALS	-----	EST. NO OF TREES	***** GROSS VOLUME ***** BDFT	CUFT	***** NET VOLUME ***** BDFT	CUFT	CORDS
		38133	6617251	1212501	6253134	1147273	0.00

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

***** PRIMARY PRODUCT *****									
AVGDEF									
S	P	U	%	%	GROSS	NET	***** STRATA LEVEL *****		
T	E				BDFT	BDFT	EST.		
R	U	C	P	O	B	C			
A	N	I	R	F	D	U	CUFT	CUFT	NO OF
T	I	E	O		F	F	** GROSS VOLUME **		** NET VOLUME **
A	T	S	D	M	T	T	RATIO	RATIO	TREES
									BDFT
									CUFT
									BDFT
									CUFT
									CORDS

* FOR TREE-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON THE # OF TREES TALLIED OR THE SUM OF KPIS THAT FALL WITHIN THE CUTTING UNIT. FOR AREA-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON AN AVERAGE VOLUME PER ACRE AT THE STRATA LEVEL TIMES THE NUMBER OF ACRES IN THE CUTTING UNIT.

*R = RECOVERED VOLUME ADDED TO NET SECONDARY VOLUME.

*FOR CRUISE METHOD 3P ONLY, THE COLUMN Est. # of Trees for sawtimber WILL SHOW ZERO INSTEAD OF ACTUAL TALLY.

UC10: NET CUFT VOLUME(FOR SAWTIMBER ONLY : PROD = 01)
BY SPECIES WITHIN CUTTING UNIT ACROSS ALL STRATA
FOR CUT TREES ONLY
CRUISE#: 23012 SALE#: 23012
SALENAME: Black Heli
RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 33

VERSION: 06.01.2021
VOLUME LIBRARY VERSION: 10.26.2021

SPEC---	DF	GF	PP	TOTALS
26	90003	5076	19118	114197
27C	80003	4512	16994	101509
27F	347511	19600	73817	440928
33	37501	2115	7966	47582
34	105003	5922	22305	133230
35C	35001	1974	7435	44410
35D	135004	7614	28677	171296
TOTALS	830027	46813	176312	1053152

UC3: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM-SAWTIMBER/PULPWOOD
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 34

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

			TOTAL	***** SAWTIMBER *****				***** NON-SAWTIMBER *****					
				(PROD = 01 UM = 01, 03)				(PROD NOT = 01 UM = 01, 02, 03)					
			EST.	EST.				(AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES)					
S T R A T A	U N I T S	S P E C I E S	# OF	# OF	** GROSS VOLUME **	** NET VOLUME **		*** GROSS	***	*** NET	***		
			TREES	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	CORDS
01	26	DF	2772	2772	510651	94726	485091	90003	0	0	2291	431 R	0.00
01	26	GF	138	138	29896	5334	28515	5076	0	0	0	0	0.00
01	26	PP	528	528	117261	20716	107552	19118	0	0	1883	317 R	0.00
01	26	DF	606	0	0	0	0	0	51704	9295	50910	9132	0.00
01	26	GF	82	0	0	0	0	0	1647	370	1647	370	0.00
01	26	PP	8	0	0	0	0	0	6375	1034	4337	703	0.00
UNIT 26 TOTAL			4135	3438	657808	120777	621158	114197	59725	10699	61067	10954	0.00
01	27C	DF	2464	2464	453912	84201	431192	80003	0	0	2037	383 R	0.00
01	27C	GF	123	123	26574	4742	25346	4512	0	0	0	0	0.00
01	27C	PP	470	470	104232	18414	95602	16994	0	0	1674	282 R	0.00
01	27C	DF	539	0	0	0	0	0	45959	8262	45253	8118	0.00
01	27C	GF	73	0	0	0	0	0	1464	329	1464	329	0.00
01	27C	PP	7	0	0	0	0	0	5667	919	3855	625	0.00
UNIT 27C TOTAL			3675	3056	584718	107357	552140	101509	53089	9511	54282	9737	0.00
01	27F	DF	10702	10702	1971680	365749	1872989	347511	0	0	8847	1664 R	0.00
01	27F	GF	533	533	115431	20596	110098	19600	0	0	0	0	0.00
01	27F	PP	2041	2041	452759	79987	415272	73817	0	0	7271	1225 R	0.00
01	27F	DF	2340	0	0	0	0	0	199633	35888	196568	35261	0.00
01	27F	GF	318	0	0	0	0	0	6358	1431	6358	1431	0.00
01	27F	PP	32	0	0	0	0	0	24614	3993	16744	2714	0.00
UNIT 27F TOTAL			15965	13276	2539871	466332	2398359	440928	230605	41312	235788	42295	0.00
01	34	DF	3234	3234	595760	110514	565939	105003	0	0	2673	503 R	0.00
01	34	GF	161	161	34878	6223	33267	5922	0	0	0	0	0.00
01	34	PP	617	617	136805	24169	125478	22305	0	0	2197	370 R	0.00
01	34	DF	707	0	0	0	0	0	60321	10844	59395	10654	0.00
01	34	GF	96	0	0	0	0	0	1921	432	1921	432	0.00
01	34	PP	10	0	0	0	0	0	7437	1207	5059	820	0.00
UNIT 34 TOTAL			4824	4011	767443	140906	724684	133230	69679	12483	71245	12780	0.00
01	33	DF	1155	1155	212771	39469	202121	37501	0	0	955	180 R	0.00
01	33	GF	58	58	12457	2223	11881	2115	0	0	0	0	0.00

UC3: VOLUME BY SPECIES WITHIN CUTTING UNIT FOR EACH STRATUM-SAWTIMBER/PULPWOOD
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 35

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

S			TOTAL	***** SAWTIMBER *****				***** NON-SAWTIMBER *****							
S			P	(PROD = 01 UM = 01, 03)				(PROD NOT = 01 UM = 01, 02, 03)							
T			E	EST.	EST.	(AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES)									
R			U	C											
A			N	I	# OF	# OF	** GROSS VOLUME **	** NET VOLUME **	*** GROSS	***	*** NET	***			
T			I	E	TREES	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	CORDS		
A			T	S											
01	33	PP			220	220	48859	8632	44814	7966	0	0	785	132 R	0.00
01	33	DF			252	0	0	0	0	0	21543	3873	21212	3805	0.00
01	33	GF			34	0	0	0	0	0	686	154	686	154	0.00
01	33	PP			3	0	0	0	0	0	2656	431	1807	293	0.00
UNIT 33 TOTAL					1723	1433	274087	50324	258816	47582	24885	4458	25445	4564	0.00
01	35D	DF			4158	4158	765977	142089	727636	135004	0	0	3437	646 R	0.00
01	35D	GF			207	207	44844	8001	42772	7614	0	0	0	0	0.00
01	35D	PP			793	793	175892	31074	161329	28677	0	0	2825	476 R	0.00
01	35D	DF			909	0	0	0	0	0	77555	13942	76365	13699	0.00
01	35D	GF			123	0	0	0	0	0	2470	556	2470	556	0.00
01	35D	PP			13	0	0	0	0	0	9562	1551	6505	1054	0.00
UNIT 35D TOTAL					6202	5157	986712	181165	931737	171296	89588	16049	91601	16431	0.00
01	35C	DF			1078	1078	198587	36838	188646	35001	0	0	891	168 R	0.00
01	35C	GF			54	54	11626	2074	11089	1974	0	0	0	0	0.00
01	35C	PP			206	206	45602	8056	41826	7435	0	0	732	123 R	0.00
01	35C	DF			236	0	0	0	0	0	20107	3615	19798	3551	0.00
01	35C	GF			32	0	0	0	0	0	640	144	640	144	0.00
01	35C	PP			3	0	0	0	0	0	2479	402	1686	273	0.00
UNIT 35C TOTAL					1608	1337	255814	46969	241561	44410	23226	4161	23748	4260	0.00
STRATA 01 TOTAL					38133	31709	6066453	1113829	5728454	1053152	550798	98672	563176	101022	0.00
OVERALL TOTALS--					38133	31709	6066453	1113829	5728454	1053152	550798	98672	563176	101022	0.00

* FOR TREE-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON THE # OF TREES TALLIED OR THE SUM OF KPIS THAT FALL WITHIN THE CUTTING UNIT. FOR AREA-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON AN AVERAGE VOLUME PER ACRE AT THE STRATA LEVEL TIMES THE NUMBER OF ACRES IN THE CUTTING UNIT.

*R = RECOVERED VOLUME ADDED TO NET SECONDARY VOLUME.

*FOR CRUISE METHOD 3P ONLY, THE COLUMN Est. # of Trees for sawtimber WILL SHOW ZERO INSTEAD OF ACTUAL TALLY.

UC5: VOLUME BY SPECIES WITHIN CUTTING UNIT ACROSS ALL STRATA
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 36

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

SPECIES	TOTAL	***** SAWTIMBER *****					***** NON-SAWTIMBER *****					
		(PROD = 01 UM = 01, 03)					(PROD NOT = 01 UM = 01, 02, 03)					
	EST.	EST.										
	# OF	# OF	** GROSS VOLUME **		** NET VOLUME **		*** GROSS ***		*** NET ***			
	TREES	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	CORDS	
26 DF	3378	2772	510651	94726	485091	90003	51704	9295	53201	9563 R	0.00	
26 GF	220	138	29896	5334	28515	5076	1647	370	1647	370	0.00	
26 PP	537	528	117261	20716	107552	19118	6375	1034	6220	1020 R	0.00	
UNIT 26 TOTAL	4135	3438	657808	120777	621158	114197	59725	10699	61067	10954		0.00
27C DF	3002	2464	453912	84201	431192	80003	45959	8262	47290	8501 R	0.00	
27C GF	196	123	26574	4742	25346	4512	1464	329	1464	329	0.00	
27C PP	477	470	104232	18414	95602	16994	5667	919	5529	907 R	0.00	
UNIT 27C TOTAL	3675	3056	584718	107357	552140	101509	53089	9511	54282	9737		0.00
27F DF	13042	10702	1971680	365749	1872989	347511	199633	35888	205415	36925 R	0.00	
27F GF	851	533	115431	20596	110098	19600	6358	1431	6358	1431	0.00	
27F PP	2073	2041	452759	79987	415272	73817	24614	3993	24015	3939 R	0.00	
UNIT 27F TOTAL	15965	13276	2539871	466332	2398359	440928	230605	41312	235788	42295		0.00
33 DF	1407	1155	212771	39469	202121	37501	21543	3873	22167	3985 R	0.00	
33 GF	92	58	12457	2223	11881	2115	686	154	686	154	0.00	
33 PP	224	220	48859	8632	44814	7966	2656	431	2592	425 R	0.00	
UNIT 33 TOTAL	1723	1433	274087	50324	258816	47582	24885	4458	25445	4564		0.00
34 DF	3941	3234	595760	110514	565939	105003	60321	10844	62068	11157 R	0.00	
34 GF	257	161	34878	6223	33267	5922	1921	432	1921	432	0.00	
34 PP	626	617	136805	24169	125478	22305	7437	1207	7256	1190 R	0.00	
UNIT 34 TOTAL	4824	4011	767443	140906	724684	133230	69679	12483	71245	12780		0.00
35C DF	1314	1078	198587	36838	188646	35001	20107	3615	20689	3719 R	0.00	
35C GF	86	54	11626	2074	11089	1974	640	144	640	144	0.00	
35C PP	209	206	45602	8056	41826	7435	2479	402	2419	397 R	0.00	
UNIT 35C TOTAL	1608	1337	255814	46969	241561	44410	23226	4161	23748	4260		0.00
35D DF	5067	4158	765977	142089	727636	135004	77555	13942	79801	14345 R	0.00	
35D GF	331	207	44844	8001	42772	7614	2470	556	2470	556	0.00	

FOR CUT TREES ONLY

CRUISE#: 23012 SALE#: 23012

SALENAME: Black Heli

RUN DATE & TIME: 8/2/2022 1:54:18 PM

VERSION: 06.01.2021

VOLUME LIBRARY VERSION: 10.26.2021

SPECIES	TOTAL	***** SAWTIMBER *****					***** NON-SAWTIMBER *****				
		(PROD = 01 UM = 01, 03)					(PROD NOT = 01 UM = 01, 02, 03)				
	EST.	EST.	(AND ALL SECONDARY & RECOVERED PRODUCT VOLUMES)								
	# OF	# OF	** GROSS VOLUME **		** NET VOLUME **		*** GROSS	***	*** NET	***	
	TREES	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	CORDS
35D PP	805	793	175892	31074	161329	28677	9562	1551	9330	1530 R	0.00
UNIT 35D TOTAL	6202	5157	986712	181165	931737	171296	89588	16049	91601	16431	0.00
S U B T O T A L S		*****SAWTIMBER*****					*****NON-SAWTIMBER*****				
	TOT EST	EST					GROSS	GROSS	NET	NET	
	# OF	# OF	** GROSS VOLUME **		** NET VOLUME **						
SPECIES	TREES	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	CORDS
DF	31150	25562	4709337	873587	4473613	830027	476822	85718	490631	88196	0.00
GF	2032	1273	275706	49194	262968	46813	15186	3417	15186	3417	0.00
PP	4951	4874	1081410	191048	991873	176312	58791	9538	57359	9409	0.00
OVERALL TOTALS--	38133	31709	6066453	1113829	5728454	1053152	550798	98672	563176	101022	0.00

* FOR TREE-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON THE # OF TREES TALLIED OR THE SUM OF KPIS THAT FALL WITHIN THE CUTTING UNIT. FOR AREA-BASED SAMPLES, THE CUTTING UNIT VOLUME IS BASED ON AN AVERAGE VOLUME PER ACRE AT THE STRATA LEVEL TIMES THE NUMBER OF ACRES IN THE CUTTING UNIT.

*R = RECOVERED VOLUME ADDED TO NET SECONDARY VOLUME.

*FOR CRUISE METHOD 3P ONLY, THE COLUMN Est. # of Trees for sawtimber WILL SHOW ZERO INSTEAD OF ACTUAL TALLY.

UC8: NET BDFT VOLUME(FOR SAWTIMBER ONLY : PROD = 01)
BY SPECIES WITHIN CUTTING UNIT ACROSS ALL STRATA
FOR CUT TREES ONLY
CRUISE#: 23012 SALE#: 23012
SALENAME: Black Heli
RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 38

VERSION: 06.01.2021
VOLUME LIBRARY VERSION: 10.26.2021

SPEC---	DF	GF	PP	TOTALS
26	485091	28515	107552	621158
27C	431192	25346	95602	552140
27F	1872989	110098	415272	2398359
33	202121	11881	44814	258816
34	565939	33267	125478	724684
35C	188646	11089	41826	241561
35D	727636	42772	161329	931737
TOTALS	4473613	262968	991873	5728454

P R O D										M E A N				A V G D E F T %		G R O S S N E T %		***** STRATA LEVEL *****																	
S P R C A T A		P R O D		L S D A M E		Y T N E R		# OF		QUAD		D B H		B C D U F T		B D F T		EST.		***** VOLUME *****															
T R E E S		C U F T		V M E P		R T R E E		MEAS		MEAN		D B H		D U F T		CUFT		# OF		*** GROSS ***		**** NET ****		CORDS											
01 DF		01 P		03 L		C CL		01 N 0		130		14.7		14.0		82.3		5		4 5.391		5.390		25562		4709337		873587		4473613		830027		0.0	
01 DF		08 R		03 L		C CL		01 N 0		6		14.2		13.5		74.0		4		4 5.604		5.617		1273		275706		49194		262968		46813		0.0	
01 GF		01 P		03 L		C CL		01 N 0		27		15.4		14.5		79.6		8		7 5.660		5.626		4874		1081410		191048		991873		176312		0.0	
01 PP		08 R		03 L		C CL		01 N 0		13		12.8		11.7		68.4		1		1 5.503		5.514		3409		442765		80462		435445		78965		0.0	
01 DF		08 P		03 D		C CL		08 N 0		2		6.3		6.2		42.9		0		0 6.479		6.479		2179		34057		5256		34057		5256		0.0	
01 GF		08 P		03 D		C CL		08 N 0		1		7.5		7.5		43.0		0		0 4.444		4.444		759		15186		3417		15186		3417		0.0	
01 PP		08 P		03 D		C CL		08 N 0		1		23.5		23.5		115.0		31		32 6.164		6.169		77		58791		9538		39993		6482		0.0	
TOTALS ---				PRODUCT		SOURCE		EST. NO OF TREES		*** GROSS BDF T		VOLUME CUFT		*** NET BDF T		VOLUME CUFT		CORDS																	
				01		P		31709		6066453		1113829		5728454		1053152		0.0																	
				08		R		6425		550798		98672		524680		94120		0.0																	
				08		P		6425		550798		98672		524680		94120		0.0																	
								38133		6617251		1212501		6291630		1154174		0.0																	

PRODUCT SOURCE KEY:

P = PRIMARY PRODUCT
S = SECONDARY PRODUCT
R = RECOVERABLE PRODUCT

The following items are not reported and/or calculated for secondary or recovered products but are shown here as blank so the associated volumes can be reported:
Number of measured trees, Quad mean DBH, Mean DBH, Mean height(s), Average defect, any Ratio, Estimated number of trees.

[illegible]

PRODUCT SOURCE KEY:

P = PRIMARY PRODUCT
S = SECONDARY PRODUCT
R = RECOVERABLE PRODUCT

The following items are not reported and/or calculated for secondary or recovered products but are shown here as blank so the associated volumes can be reported:
Number of measured trees, Quad mean DBH, Mean DBH, Mean height(s), Average defect, any Ratio, Estimated number of trees.

VSM3: VOLUME SUMMARY FOR STRATA (CS1)
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 41

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

P R O D		# OF TREES M		M E A N		M E A N		AVG DEFT %		GROSS NET		EST.		STRATA LEVEL		VOLUME		EST.		GROSS		NET		CORDS	
S	R	U	A	A	QUAD	N	T	B	C	D	U	CUFT	CUFT	# OF	TREES	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT	BDFT	CUFT
01	01	P	03	163	163	14.8	14.1	81.6	5	5	5.446	5.439	31709	6066453	1113829	5728454	1053152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01	08	R	03																						
01	08	P	03	17	17	10.6	9.5	57.3	4	4	5.582	5.575	6425	550798	98672	524680	94120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS -----																									
PRODUCT	PRODUCT	SOURCE	DBH	MEAN	MEAN	MEAN	TOT HGT	GROSS	NET	EST.	# OF	TREES	BDFT	GROSS	CUFT	BDFT	NET	CUFT	BDFT	NET	CUFT	BDFT	NET	CUFT	CORDS
01	P		14.8	14.1	81.6			5.4465	5.4393	31709	6066453	1113829	5728454	1053152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	R																								
08	P		10.6	9.5	57.3			5.5821	5.5746	6425	550798	98672	524680	94120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
			14.2	13.3	77.5			5.4575	5.4512	38133	6617251	1212501	6291630	1154174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PRODUCT SOURCE KEY:

P = PRIMARY PRODUCT
 S = SECONDARY PRODUCT
 R = RECOVERABLE PRODUCT

The following items are not reported and/or calculated for secondary or recovered products but are shown here as blank so the associated volumes can be reported:
 Number of measured trees, Quad mean DBH, Mean DBH, Mean height(s), Average defect, any Ratio, Estimated number of trees.

VSM5: VOLUME SUMMARY BY CUTTING UNIT
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 42

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

	CUTTING UNIT	SPECIES	PRODUCT	NUMBER OF TREES	GROSS CUFT	NET CUFT	SECONDARY NET CUFT	QMD	BDFT/CUFT RATIO
	26	DF	01	2772	94726	90003	0	14.7	5.3897
	26	DF	08	606	9295	9132	0	10.7	
	26	GF	01	138	5334	5076	0	14.2	5.6174
	26	GF	08	82	370	370	0	7.5	
	26	PP	01	528	20716	19118	0	15.4	5.6257
	26	PP	08	8	1034	703	0	23.5	
SUBTOTAL	26			4135	131476	124403	0		
	27C	DF	01	2464	84201	80003	0	14.7	5.3897
	27C	DF	08	539	8262	8118	0	10.7	
	27C	GF	01	123	4742	4512	0	14.2	5.6174
	27C	GF	08	73	329	329	0	7.5	
	27C	PP	01	470	18414	16994	0	15.4	5.6257
	27C	PP	08	7	919	625	0	23.5	
SUBTOTAL	27C			3675	116868	110580	0		
	27F	DF	01	10702	365749	347511	0	14.7	5.3897
	27F	DF	08	2340	35888	35261	0	10.7	
	27F	GF	01	533	20596	19600	0	14.2	5.6174
	27F	GF	08	318	1431	1431	0	7.5	
	27F	PP	01	2041	79987	73817	0	15.4	5.6257
	27F	PP	08	32	3993	2714	0	23.5	
SUBTOTAL	27F			15965	507643	480334	0		
	33	DF	01	1155	39469	37501	0	14.7	5.3897
	33	DF	08	252	3873	3805	0	10.7	
	33	GF	01	58	2223	2115	0	14.2	5.6174
	33	GF	08	34	154	154	0	7.5	
	33	PP	01	220	8632	7966	0	15.4	5.6257
	33	PP	08	3	431	293	0	23.5	
SUBTOTAL	33			1723	54782	51835	0		
	34	DF	01	3234	110514	105003	0	14.7	5.3897

VSM5: VOLUME SUMMARY BY CUTTING UNIT
 FOR CUT TREES ONLY
 CRUISE#: 23012 SALE#: 23012
 SALENAME: Black Heli
 RUN DATE & TIME: 8/2/2022 1:54:18 PM

PAGE 43

VERSION: 06.01.2021
 VOLUME LIBRARY VERSION: 10.26.2021

CUTTING UNIT	SPECIES	PRODUCT	NUMBER OF TREES	GROSS CUFT	NET CUFT	SECONDARY NET CUFT	QMD	BDFT/CUFT RATIO
34	DF	08	707	10844	10654	0	10.7	
34	GF	01	161	6223	5922	0	14.2	5.6174
34	GF	08	96	432	432	0	7.5	
34	PP	01	617	24169	22305	0	15.4	5.6257
34	PP	08	10	1207	820	0	23.5	
SUBTOTAL	34		4824	153389	145137	0		
35C	DF	01	1078	36838	35001	0	14.7	5.3897
35C	DF	08	236	3615	3551	0	10.7	
35C	GF	01	54	2074	1974	0	14.2	5.6174
35C	GF	08	32	144	144	0	7.5	
35C	PP	01	206	8056	7435	0	15.4	5.6257
35C	PP	08	3	402	273	0	23.5	
SUBTOTAL	35C		1608	51130	48379	0		
35D	DF	01	4158	142089	135004	0	14.7	5.3897
35D	DF	08	909	13942	13699	0	10.7	
35D	GF	01	207	8001	7614	0	14.2	5.6174
35D	GF	08	123	556	556	0	7.5	
35D	PP	01	793	31074	28677	0	15.4	5.6257
35D	PP	08	13	1551	1054	0	23.5	
SUBTOTAL	35D		6202	197214	186605	0		
	SPECIES	PRODUCT	NUMBER OF TREES	GROSS CUFT	NET CUFT	SECONDARY NET CUFT	QMD	BDFT/CUFT RATIO
	DF	01	25562	873587	830027	0	14.7	5.3897
	DF	08	5588	85718	84221	0	10.7	
	GF	01	1273	49194	46813	0	14.2	5.6174
	GF	08	759	3417	3417	0	7.5	
	PP	01	4874	191048	176312	0	15.4	5.6257
	PP	08	77	9538	6482	0	23.5	
TOTAL			38133	1212501	1147273	0		