

CRUISE REPORT HEADER & CERTIFICATION
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
RUN DATE & TIME: 7/22/2025 11:05:34 AM

Year: 0 Region: 04 Forest: 13 District: 01

Remarks:

FILENAME: C:\Users\nmeyer\OneDrive - USDA\Documents\Timber\FY25\Bullwinkle\Cruise\Rocky_and_Bullwinkle\Production\25101_Rocky & Bullwinkle_Production_STA_Adjusted.process

REPORTS: A01 R401 R402 R403 R404 ST1 ST2 ST3 ST4 TIM

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

I certify that the timber for the Rocky & Bullwinkle 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,

Salmon-Cobalt

Salmon, ID

RANGER DISTRICT

HEATHER

DEGEEST

DISTRICT RANGER

Digitally signed by HEATHER
DEGEEST
Date: 2025.07.23 09:57:07
-06'00'

(name of headquarters town)

DATE

Developed and Maintained By:

USDA FOREST SERVICE

WASHINGTON OFFICE TIMBER MANAGEMENT

FORT COLLINS, COLORADO (970)295-5776

VERSION: 03.24.2025

VOLUME LIBRARY VERSION: 03.25.2025

NATIONAL CRUISE PROCESSING PROGRAM

VOLUME EQUATION TABLE
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
RUN DATE & TIME: 7/22/2025 11:05:34 AM

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SPECIES	PROD	VOLUME EQUATION	STUMP HEIGHT	TOTAL CUBIC VOLUME	PRIMARY				SECONDARY				
					***** PRODUCT *****				***** PRODUCT *****				
					MIN TOP DIB	BDFT	CUFT	CORDS	MIN TOP DIB	BDFT	CUFT	CORDS	BIOMASS
LP	01	400MATW108	1.0	NO	6.0	YES	YES	NO	0.0	NO	NO	NO	NO
LP	08	400MATW108	1.0	NO	3.0	YES	YES	NO	0.0	NO	NO	NO	NO
LPD	08	400MATW108	1.0	NO	3.0	YES	YES	NO	0.0	NO	NO	NO	NO
ES	01	I15FW2W093	1.0	NO	6.0	YES	YES	NO	0.0	NO	NO	NO	NO
AF	01	400MATW019	1.0	NO	6.0	YES	YES	NO	0.0	NO	NO	NO	NO

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CONTRACT

RECORD

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
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CRUISE NO.	STRATA NO.	CRUISE METHOD	STRATA ACRES	BAF	PLOT SIZE	NO. OF PLOTS	STRATA DESCRIPTION	DATE MMYYYY	
25101	01	PNT	137.90	20.00	0	35	PNT-RKY	0	0
25101	02	FIX	134.50	0.00	50	34	FIX-RKY	0	0
25101	03	PNT	217.60	20.00	0	9	PNT	0	0
25101	04	FIX	217.60	0.00	50	31	FIX	0	0

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CRUISE NO.	CUTTING UNIT NO.	CUTTING UNIT ACRES	CUTTING UNIT DESCRIPTION	LOG METHOD	PAYMENT UNIT NO.
25101	106	3.50		420	
25101	130	7.50		420	
25101	131	6.70	DxSPP	420	
25101	32	13.40		420	
25101	33	28.50		420	
25101	33A	24.40		420	
25101	47	32.30		420	
25101	48	19.30		420	
25101	49	4.70		420	
25101	50	8.20		420	
25101	56	3.30		420	
25101	57	14.90		420	
25101	58	18.70		420	
25101	59	32.20		420	
25101	61	8.80		420	
25101	63	27.00		420	
25101	65	40.30		420	
25101	66	22.40		420	
25101	67	7.60		420	
25101	99	12.00		420	
25101	99A	16.40		420	
25101	99B	3.40		420	
TOTAL SALE ACRES:		355.50			

CRUISE NO.	CUTTING UNIT	STRATUM	PAYMENT UNIT
25101	106	03	
25101	106	04	
25101	130	03	
25101	130	04	
25101	131	03	
25101	131	04	
25101	32	03	
25101	32	04	
25101	33	03	
25101	33	04	
25101	33A	03	
25101	33A	04	
25101	47	03	
25101	47	04	
25101	48	03	
25101	48	04	
25101	49	03	
25101	49	04	
25101	50	03	
25101	50	04	
25101	56	03	
25101	56	04	
25101	57	03	
25101	57	04	
25101	58	03	
25101	58	04	
25101	59	03	
25101	59	04	
25101	61	01	
25101	61	02	
25101	63	01	
25101	63	02	
25101	65	01	
25101	65	02	
25101	66	01	
25101	66	02	
25101	67	01	
25101	67	02	
25101	99	01	
25101	99	02	

A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
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CRUISE NO.	CUTTING UNIT	STRATUM	PAYMENT UNIT
25101	99A	01	
25101	99A	02	
25101	99B	01	

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A01: STRATA, UNIT, PAYMENT UNIT AND SAMPLE GROUP REPORT (A1)
CRUISE#: 25101 SALE#: 25101
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STRATUM	SAMPLE GROUP	FREQ	KZ	BIG BAF	SMALL FPS	DESCRIPTION
01	01	0	0	0		Sawtimber
02	08	0	0	0		Nonsaw- Post, Poles, Fuelwood
03	01	0	0	0		Sawtimber
04	08	0	0	0		Fuelwood
04	03	0	0	0		Post and Pole

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R401: SALE APPRAISAL SUMMARY BY SPECIES-BDFT
-- BOARD FOOT --
FOR CUT TREES ONLY -- PRIMARY PRODUCT ONLY
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
RUN DATE & TIME: 7/22/2025 11:05:34 AM

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S	P					GROSS	NET		QUAD		NET	16' LOGS/	NET LOG
P	R					BF/	BF/	TREES/	MEAN	MEAN	BF/	GROSS	SCALE
E	O				ESTIM	ACRE	ACRE	ACRE	DBH	HT1	TREE	MBF	VALUE/
C	D		TOTAL	NET	TREES								MBF
I	U		DEF%	BF									
E	C	GROSS											
S	T	BF											
AF	01	185097	2.7	180101	3460	521	507	9.7	10.1	67.0	52	44.1	
ES	01	321267	2.5	313218	5714	904	881	16.1	10.4	60.4	55	34.8	
LP	01	3104448	5.2	2942094	64912	8733	8276	182.6	8.9	67.9	45	46.6	
LP	08	91324	0.0	91324	54246	257	257	152.6	5.7	53.1	2	1527.6	
LPD	08	719939	0.2	718535	26050	2025	2021	73.3	7.6	59.7	28	112.0	
TOTALS/AVE		4422075	4.0	4245272	154381	12439	11942	434.3	7.8	61.0	27	86.9	N/A

R402: SALE APPRAISAL SUMMARY BY SPECIES-CUFT
-- CUBIC FOOT --
FOR CUT TREES ONLY -- PRIMARY PRODUCT ONLY
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
RUN DATE & TIME: 7/22/2025 11:05:34 AM

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S	P					GROSS	NET		QUAD		NET	16' LOGS/	NET LOG
P	R					CF/	CF/	TREES/	MEAN	MEAN	CF/	GROSS	SCALE
E	O				ESTIM	ACRE	ACRE	ACRE	DBH	HT1	TREE	CCF	VALUE/
C	D		TOTAL	NET	TREES								CCF
I	U		DEF%	CF									
E	C	GROSS											
S	T	CF											
AF	01	39007	2.4	38069	3460	110	107	9.7	10.1	67.0	11	20.9	
ES	01	68586	2.7	66740	5714	193	188	16.1	10.4	60.4	12	16.3	
LP	01	608656	5.4	575922	64912	1712	1620	182.6	8.9	67.9	9	23.8	
LP	08	214541	0.0	214506	54246	603	603	152.6	5.7	53.1	4	65.0	
LPD	08	226514	0.2	226128	26050	637	636	73.3	7.6	59.7	9	35.6	
TOTALS/AVE		1157304	3.1	1121366	154381	3255	3154	434.3	7.8	61.0	7	33.2	N/A

L	P					GROSS	NET		QUAD		NET	16' LOGS/	
O	R					BF/	BF/	TREES/	MEAN	MEAN	BF/	GROSS	
G	O					ACRE	ACRE	ACRE	DBH	HT1	TREE	MBF	ACRES
D					ESTIM								
M	U				TREES								
T	C	GROSS	TOTAL	NET									
H	T	BF	DEF%	BF									
420	01	3610812	4.9	3435413	74085	10157	9664	208.4	9.1	67.3	46	45.4	355.5
	08	811263	0.2	809859	80296	2282	2278	225.9	6.4	55.2	10	271.4	0.0
TOTALS/AVE		4422075	4.0	4245272	154381	12439	11942	434.3	7.8	61.0	27	86.9	355.5

Draft

CONTRACT

RECORD

R404: SALE APPRAISAL SUMMARY BY LOGGING METHOD-CUFT
-- CUBIC FOOT --
FOR CUT TREES ONLY -- PRIMARY PRODUCT ONLY
CRUISE#: 25101 SALE#: 25101
SALENAME: Rocky & Bullwinkle
RUN DATE & TIME: 7/22/2025 11:05:34 AM

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L	P													
O	R													
G	O													
	D													
M	U					GROSS	NET		QUAD		NET	16' LOGS/		
T	C	GROSS	TOTAL	NET	ESTIM	CF/	CF/	TREES/	MEAN	MEAN	CF/	GROSS		
H	T	CF	DEF%	CF	TREES	ACRE	ACRE	ACRE	DBH	HT1	TREE	CCF	ACRES	
420	01	716249	5.0	680732	74085	2015	1915	208.4	9.1	67.3	9	22.9	355.5	
	08	441055	0.1	440634	80296	1241	1239	225.9	6.4	55.2	5	49.9	0.0	
TOTALS/AVE		1157304	3.1	1121366	154381	3255	3154	434.3	7.8	61.0	7	33.2	355.5	

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FOR CUT TREES ONLY

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				S T G		*****PRIMARY PRODUCT NET VOLUME *****												
P R O D U C T A T	U F M	S A M P L	G R O U P	S T E M	M I N	NO	SUM			SUM			COEFF			COMBINED		
A T	M	P	M	T	1/2	TREES	BIG N	SMALL N*	t VALUE	MEAN X	OF X	OF (X * X)	STANDARD DEVIATION	OF VARIATION	STANDARD ERROR	SAMPLING ERROR	SAMPLING ERROR	
01	01	03	01	N	1	151	0	35	2.000	1855.9	64957.35	182729576.81	1352.2712	72.8624	228.576	24.6320	24.632	
02	08	03	08	N	1	122	0	34	2.000	1065.7	36235.00	78761875.55	1102.9569	103.4926	189.156	35.4977	35.498	
03	01	03	01	N	1	44	0	9	2.306	1952.2	17569.91	41519857.47	949.9789	48.6617	316.660	37.4046	37.405	
04	08	03	08	N	1	112	0	31	2.042	1056.5	32750.00	79225350.74	1219.6524	115.4480	219.056	42.3410	42.341	
04	08	03	03	N	1	48	0	31	2.042	309.5	9595.00	15910575.18	656.7792	212.1955	117.961	77.8235	77.824	

* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

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* CANNOT CALCULATE SAMPLING ERROR IF SMALL N EQUALS 1.

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	274359.8	24.66	206706	342014	255930.3	24.63	192890	318971
02	08	03	143381.5	35.50	92484	194279	143381.5	35.50	92484	194279
03	01	03	441888.9	37.31	277013	606765	424801.3	37.40	265906	583697
04	08	03	297673.6	37.22	186869	408478	297252.4	37.19	186695	407810
----- AGGREGATED BY PRODUCT -----										
01	03		716248.7	24.88	538032	894465	680731.6	25.11	509788	851676
08	03		441055.1	27.65	319120	562990	440633.9	27.62	318924	562344
----- AGGREGATED BY UNIT OF MEASURE -----										
	03		1157303.8	18.66	941366	1373242	1121365.6	18.71	911520	1331211
----- AGGREGATED BY STRATA -----										
01	03		274359.8	24.66	206706	342014	255930.3	24.63	192890	318971
02	03		143381.5	35.50	92484	194279	143381.5	35.50	92484	194279
03	03		441888.9	37.31	277013	606765	424801.3	37.40	265906	583697
04	03		297673.6	37.22	186869	408478	297252.4	37.19	186695	407810

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

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		716248.7	24.88	538032	894465		680731.6	25.11	509788	851676	
08 03		441055.1	27.65	319120	562990		440633.9	27.62	318924	562344	
----- AGGREGATED BY UNIT OF MEASURE -----											
03		1157303.8	18.66	941366	1373242		1121365.6	18.71	911520	1331211	
----- AGGREGATED BY STRATA -----											
01	03	274359.8	24.66	206706	342014		255930.3	24.63	192890	318971	
02	03	143381.5	35.50	92484	194279		143381.5	35.50	92484	194279	
03	03	441888.9	37.31	277013	606765		424801.3	37.40	265906	583697	
04	03	297673.6	37.22	186869	408478		297252.4	37.19	186695	407810	

* UOM DETERMINES VALUES USED IN CALCULATION UNDER VOLUME

[illegible]

IDENTIFIER	WARNING MESSAGE
01 --- --- --- --- --- 01 01	SECONDARY PRODUCT WAS BLANK IN SAMPLE GROUPS -- DEFAULT VALUE USED
02 --- --- --- --- --- 08 08	SECONDARY PRODUCT WAS BLANK IN SAMPLE GROUPS -- DEFAULT VALUE USED
03 --- --- --- --- --- 01 01	SECONDARY PRODUCT WAS BLANK IN SAMPLE GROUPS -- DEFAULT VALUE USED
04 --- --- --- --- --- 08 08	SECONDARY PRODUCT WAS BLANK IN SAMPLE GROUPS -- DEFAULT VALUE USED
04 --- --- --- --- --- 03 08	SECONDARY PRODUCT WAS BLANK IN SAMPLE GROUPS -- DEFAULT VALUE USED

Not all fields are used as identifier information.
In general, the following order is used.
Stratum number
Cutting unit number
Plot number
Tree number
Log number
Species code
Sample group
Primary product
Equation number

