

## Timber Sale Cruise Report Vashon ROW Estimate

**Sale Name:**

**Sale Type:** LUMP SUM

**Region:**

**District:**

**Lead Cruiser:** Craig Higbee

**Other Cruisers:** Gretchen Happe

**Cruise Narrative:**

**Location:**

Vashon Island Right of Way (Yoder-Williams)

**Cruise Design:**

100% Count and DBH measured.

DBH measured at 4.5 feet from root collar.

Heights estimated by visual inspection occasionally checked/measured with laser range finder.

The RoW was 0.25 Acres in size.

"Blow up" factor of 4 was used.

Defect and log grades were not recorded in the field. All grade was done in the office based on size and specification of logs.

**Timber Quality:**

2nd Growth - High Quality DF with +6 Rings Per Inch

**Logging and Stand Conditions:**

ROW 16ft Wide marked by Survey.

**General Remarks:**

Gross estimate only. Cruise is for informational purposes only. Quick assessment to determine prospective amount of wood to be removed for RoW construction. No warranty of information provided.

### Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
MD							
DF	17.3			13	9	3	1
RA	13.3			2	0	0	1
MA	14.0			0			0
ALL	16.5			15	10	3	2

### Timber Sale Overall Cruise Statistics (Cut + Leave Trees)

BA (sq ft/acre)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR SE (%)	Net Vol (bf/acre)	Vol SE (%)
279.2	0.0	181.2	5.0	50,580	5.0

**Timber Sale Unit Cruise Design**

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
RoW	FX: FR plots (4 tree / acre expansion)	0.3		1	1	0
All		0.3		1	1	0

**Timber Sale Log Grade x Sort Summary**

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
DF	LIVE	2 SAW	Domestic	16.4	32	30,260	30,260	0.0	51.1	9.1
DF	LIVE	3 SAW	Domestic	9.8	32	9,940	9,940	0.0	20.8	3.0
DF	LIVE	4 SAW	Domestic	5.0	29	4,348	4,348	0.0	12.1	1.3
MA	LIVE	4 SAW	Domestic	7.1	30	492	492	0.0	1.1	0.1
MD	LIVE	CULL	Cull	7.9	30	400		100.0		
RA	LIVE	2 SAW	Domestic	13.1	32	1,400	1,400	0.0	2.8	0.4
RA	LIVE	3 SAW	Domestic	10.9	32	1,064	1,064	0.0	2.0	0.3
RA	LIVE	4 SAW	Domestic	6.5	28	3,076	3,076	0.0	6.6	0.9

**Timber Sale Log Sort x Diameter Bin Summary**

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	5 - 8	LIVE	Domestic	5.6	30	6,444	0.0	17.2	1.9
DF	9 - 11	LIVE	Domestic	10.6	32	7,844	0.0	15.6	2.4
DF	12 - 14	LIVE	Domestic	13.4	32	6,168	0.0	12.0	1.9
DF	15 - 19	LIVE	Domestic	16.3	32	12,748	0.0	22.2	3.8
DF	20+	LIVE	Domestic	22.7	32	11,344	0.0	16.9	3.4
MA	5 - 8	LIVE	Domestic	5.0	28	120	0.0	0.3	0.0
MA	9 - 11	LIVE	Domestic	9.2	32	372	0.0	0.9	0.1
MD	5 - 8	LIVE	Cull	7.9	30		100.0		
RA	5 - 8	LIVE	Domestic	6.3	28	2,704	0.0	5.7	0.8
RA	9 - 11	LIVE	Domestic	10.5	32	1,436	0.0	2.8	0.4
RA	12 - 14	LIVE	Domestic	13.1	32	1,400	0.0	2.8	0.4

## Cruise Unit Report RoW

### Unit Sale Notice Volume (MBF): RoW

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
MD	15.9						
DF	17.3			13	9	3	1
RA	13.3			2	0	0	1
MA	14.0			0			0
ALL	16.5			15	10	3	2

### Unit Cruise Design: RoW

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
FX: FR plots (4 tree / acre expansion)	0.3		1	1	0

### Unit Cruise Summary: RoW

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	35	35	35.0	0
RA	9	9	9.0	0
MA	1	1	1.0	0
MD	2	2	2.0	0
ALL	47	47	47.0	0

### Unit Cruise Statistics (Cut + Leave Trees): RoW

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	229.0	0.0	0.0	194.5	31.4	5.3	44,548	31.4	5.3
RA	34.9	0.0	0.0	158.8	15.1	5.0	5,540	15.1	5.0
MA	4.3	0.0	0.0	115.0	0.0	0.0	492	0.0	0.0
MD	11.0	0.0	0.0	0.0			0		
ALL	279.2	0.0	0.0	181.2	34.0	5.0	50,580	34.0	5.0

**Unit Summary: RoW**

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	35	ALL	17.3	74	95	44,548	44,548	0.0	140.3	229.0	55.1	13.4
MA	LIVE	CUT	1	ALL	14.0	62	80	492	492	0.0	4.0	4.3	1.1	0.1
MD	LIVE	CUT	2	ALL	15.9	38	45	400	0	100.0	8.0	11.0	2.8	0.0
RA	LIVE	CUT	9	ALL	13.3	71	94	5,540	5,540	0.0	36.2	34.9	9.6	1.7
ALL	LIVE	CUT	47	ALL	16.5	71	92	50,980	50,580	0.8	188.5	279.2	68.5	15.2
ALL	ALL	ALL	47	ALL	16.5	71	92	50,980	50,580	0.8	188.5	279.2	68.5	15.2