



Timber Sale Appraisal
Little Salander
Sale 341-08-35

"STEWARDSHIP IN FORESTRY"

District: Coos

Date: August 03, 2007

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sales Value	\$1,152,339.66	\$1,824.78	\$1,154,164.44
		Project Work:	\$(9,250.00)
		Advertised Value:	\$1,144,914.44



Timber Sale Appraisal
 Little Salander
 Sale 341-08-35

"STEWARDSHIP IN FORESTRY"

District: Coos

Date: August 03, 2007

Timber Description

Location: Portions of Sections 3 and 10, T23S, R10W, W.M., Douglas County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	29	0	95
Western Hemlock / Fir	15	0	90
Alder (Red)	14	0	85

Volume by Grade	10" - 11"	12"+	2S	3P	3S	3S 12"+	4S	5" - 7"	SM	Total
Douglas - Fir	0	0	2,280	123	92	431	0	0	154	3,080
Western Hemlock / Fir	0	0	7	0	19	0	8	0	0	34
Alder (Red)	1	1	0	0	0	0	0	1	0	3
Total	1	1	2,287	123	111	431	8	1	154	3,117

Comments: Pond Values Used: 2nd Quarter Calendar Year 2007.

Western Redcedar Stumpage Price = Pond Value minus Log Costs
 \$835/MBF = \$1000/MBF - \$165/MBF

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (Profit and Risk to be added):

Brand & Paint Logs: \$1/MBF x 2,971 MBF = \$2,971

Loader Time for Firewood Stacking = \$75/hour x 3 hours = \$225

Cull Sorting/Slash Piling on Landings: \$125/landing x 6 landings = \$750

Tree Topping: \$100/tree x 52 trees = \$5,200

Tree Girdling (DBH): \$50/tree x 25 trees = \$1,250

Tree Girdling (Topping Height): \$100/tree x 25 trees = \$2,500

Additional Fire Equipment: 1 Seasons x \$1,000 per season = \$1,000

TOTAL Other Costs (Profit and Risk to be added) = \$13,896



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Little Salander
Sale 341-08-35

District: Coos

Date: August 03, 2007

Logging Conditions

Combination#: 1	Douglas - Fir	100.00%	
	Western Hemlock / Fir	100.00%	
	Alder (Red)	100.00%	
Yarding Distance:	Medium (800 ft)	Downhill Yarding:	No
Logging System:	Track Skidder	Process:	Manual Falling/Delimiting
Tree Size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
Loads / Day:	10.0	Bd. Ft / Load:	4,900
Cost / MBF:	\$70.21		
Machines:	Log Loader (B) Track Skidder		



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
 Little Salander
 Sale 341-08-35

District: Coos

Date: August 03, 2007

Logging Costs

Operating Seasons:	0.60	Profit Risk:	10.00%
Project Costs:	\$9,250.00	Other Costs (P/R):	\$13,896.00
Slash Disposal:	\$0.00	Other Costs:	\$0.00

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	1.3	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	4.9
Western Hemlock / Fir	\$0.00	2.0	4.5
Alder (Red)	\$0.00	2.0	3.5



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
 Little Salander
 Sale 341-08-35

District: Coos

Date: August 03, 2007

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$70.21	\$1.39	\$0.84	\$68.18	\$4.46	\$14.51	\$0.00	\$2.00	\$0.00	\$161.59
Western Hemlock / Fir									
\$70.21	\$1.46	\$0.84	\$77.78	\$4.46	\$15.48	\$0.00	\$2.00	\$0.00	\$172.23
Alder (Red)									
\$70.21	\$1.52	\$0.84	\$104.55	\$4.46	\$18.16	\$0.00	\$2.00	\$0.00	\$201.74

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$533.47	\$371.88	\$0.00
Western Hemlock / Fir	\$0.00	\$376.62	\$204.39	\$0.00
Alder (Red)	\$0.00	\$810.00	\$608.26	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Little Salander
Sale 341-08-35

District: Coos

Date: August 03, 2007

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,080	\$371.88	\$1,145,390.40
Western Hemlock / Fir	34	\$204.39	\$6,949.26
Alder (Red)	3	\$608.26	\$1,824.78

Gross Timber Sale Value

Recovery: \$1,154,164.44

Prepared by: Ryan Greco

Phone: 541-267-1755

Summary of "Other Costs" for Timber Sale Appraisals

Sale Name: Little Salander

Additional "Other Cost" with additional profit and risk to be added:

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Felling				
Felling of unmerch material	MBF	0	\$ 1.00	\$ -
Directional Felling	MBF		\$ 2.00	\$ -
Yarding and Loading				
Artificial tailhold	anchor		\$ 500.00	\$ -
Artificial guyline support	anchor	0	\$ 500.00	\$ -
Brand and paint logs	MBF	2971	\$ 1.00	\$ 2,971.00
Loader time for firewood stacking	Hours	3	\$ 75.00	\$ 225.00
Cull sorting/slash piling on landings	landing	6	\$ 125.00	\$ 750.00
Rig lift trees	lift tree	0	\$ 100.00	\$ -
Snag Creation				
Tree Topping	Trees	52	\$ 100.00	\$ 5,200.00
Tree Girdling (DBH)	Trees	25	\$ 50.00	\$ 1,250.00
Tree Girdling (Topping Height)	Trees	25	\$ 100.00	\$ 2,500.00
Miscellaneous Costs				
Additional Fire Equipment	Seasons	1	\$ 1,000.00	\$ 1,000.00
Maintenance rock per section 5	Cubic Yards	0	\$ 18.00	\$ -
Safety Flagging and/or signing	per day	0	\$ 150.00	\$ -

Total additional "Other Cost" with additional profit and risk to be added

\$ 13,896.00

Additional "Other Cost" with no additional profit and Risk

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Non-required road construction	Stations			\$ -
Non-required road rocking	Cubic Yards			\$ -
Stream clearance	Feet			\$ -
Scaling (high piece count)	MBF		\$ 1.00	\$ -

Total additional "Other Cost" with no additional profit and Risk

\$ -

**SUMMARY OF CONSTRUCTION COST
Little Salander**

Project 1: Culvert Installation

Location: 7800 Rd Point: A (4.4 mi down 7800 rd)

Culvert Cost

48" (14 Gage) Aluminized round pipe	50	feet at	\$48.00	per foot	\$2,400.00
Bands for pipe	1	band at	\$65.00	per band	\$65.00
Gaskets	1	gasket at	\$34.00	per gasket	\$34.00
Shipping					\$400.00

Total Culvert Cost \$2,899.00

Installation Cost

Excavator time	20	hrs at	\$120.00	per hr	\$2,400.00
Laborer	20	hrs at	\$30.00	per hr	\$600.00
Trench Compactor	10	hrs at	\$40.00	per hr	\$400.00
Grader (prep for rocking & process rock)	2	hrs at	\$75.00	per hr	\$150.00

Total Installation Cost \$3,550.00

Road rock after installation

Cost per Yd (2 1/2" - 0" Base) (WWD pricing):	\$7.75	per yd
Haul Cost per Yd (3.7 hr RT):	\$23.57	per yd
Total Cost per Yd:	\$31.32	per yd
Total Yds:	50	yds

Total Cost for Rock \$1,566.00

Move-in

Equipment	Miles	hrs/RT	Lowboy Rate/hr	Total
Excavator	50	4.5	\$95.00	\$427.50
Cat	50	4.5	\$95.00	\$427.50
Grader	50	4	\$95.00	\$380.00

Total Move-In \$1,235.00

Total Project Costs	\$9,250.00
----------------------------	-------------------

TIMBER SALE SUMMARY

Little Salander

1. Type of Sale: Final Harvest, Recovery, Sealed Bid

2. Boundary Lines: Sale boundaries are marked on the ground with "Timber Sale Boundary" posters, red flagging, and red paint at locations shown on the Exhibit "A".

3. Revenue Distribution: 100% CSL, 100% Douglas County.

4. Sale Acreage: The sale is comprised of one unit totaling 51 acres. Sale acreage was determined from electronic digitizing using the ArcView GIS program. Interior road acres were accounted for by deducting from the expansion acreage.

5. Volume by Species, Fund and County. See Attached table titled Net Volumes and Acreages

6. Grade: (by Percent, all areas)

Species	3 Peeler %	Spec. Mill %	2 Saw %	3 Saw %	Big 3 Saw %	4 Saw %
Douglas-fir	4%	5%	74%	3%	14%	
Hemlock			20%	55%		25%
Hardwoods				50%		50%

7. Cruise: Little Salander was variable plot cruised using a nested Big BAF plot method. The Big BAF method is a combination of count plots and individually measured trees. The plots were spaced 100 feet apart on cruise lines spaced 275 feet apart. A 360 BAF full plot at 16 feet was taken to determine which Douglas-fir trees would be fully measured.

A total of 45 Douglas-fir trees were fully measured for DBH, height, grade and defect. A 40 BAF full plot at 16 feet was used to determine tree counts and to measure minor species. A total of 71 count plots were measured. Cruising was done in November 2006 by ODF foresters.

A. Summary data:

Diam	Ht. Stand	Form Pt.	Form Factor	CV %	SE %
D4H	6" DIB	Conifer: 16' Hardwood: 16'	Recorded for all cruised trees by estimate and measure	43%	6.3 %

B. Stand Data:

SPECIES	DBH	TREES/ACRE	BASAL AREA/AC	NET MBF/ACRE
Douglas Fir	29	42	243	60
Hemlock	15	3		1
Hardwoods	14	2		<1

C. Green Tree Retention: There are twenty five (25) green tree reserve areas and twelve (12) scattered single trees associated with this sale. The reserve areas consist of stream buffer extensions and trees left along seasonal drainages. There are a number of scattered green tree retention "pods" consisting of two or more reserve trees. The majority of the green tree retention is posted inside of the sale boundary. The table below

summarizes reserve trees whose volume has been removed from the cruise. Stream buffers and GTR areas are mapped in Exhibit "A."

Sale Area	Douglas fir - MBF	Hemlock MBF	Hardwood MBF
1	363	8.5	1.2

8. Timber Description: Timber in the sale area is stocked with mature 106 to 126 year-old Douglas-fir sawtimber with minor amounts of western hemlock and red alder. Timber quality is good.

9. Topography: This timber sale has an easterly aspect. Terrain is generally gentle with steeper ground at the northern part of the unit. The sale area is bordered by the 7000 road to the west, a Habitat Conservation area to the southwest, and the 7800 road to the east. Locations of stream buffers and green tree retention areas are indicated on the Exhibit "A".

10. Logging Method: Existing skid roads shall be used whenever possible, and final approval of STATE is required before construction can begin. Final determination of landing locations and logging method must give priority to protection of stream buffers and green tree retention areas. Purchaser must comply with winter and wet weather option if operations are conducted during the wet season. Skid roads or dirt spurs will be rehabilitated following Exhibit "I" instructions. Existing roads are indicated on the Exhibit "A".

11. Access: From Coos Bay, proceed north on Highway 101. Turn east at Reedsport and travel 13.2 miles to Mill Creek/Loon Lake Road, at which point turn right (south) and proceed 6 miles to forest road 7700. Travel 2.1 miles up the 7700, veer left onto the 7000 and travel approximately 1 mile to the junction with the 7800 road. Travel approximately one quarter mile down the 7800 road until you are inside the sale boundary.

12. Projects:

Project No. 1: Culvert replacement

NET VOLUMES AND ACREAGE

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							Vol. per Acre
			By County and Fund						Total Vols.	
Area	Spec	Coos			Douglas			Total Vols.		
		CSL	BOF	Total	CSL	BOF	Total			
1	D-fir			0		3080		3080	3080	57
	Hdwd			0		3		3	3	0.1
	WH			0		34		34	34	0.7

TOTAL SALE VOLUME BY SPECIES

Douglas-fir 3080 MBF
 Hemlock 34 MBF
 Hardwoods 3 MBF
 Total 3117 MBF

Report by: Ryan Greco

Date: 05/29/2007

Unit For. Norm Klein 6/5/07
Date

Asst. Dist. For. Greg Krueger 6.5.2007
Date

UTILITY VOLUME NOT SHOWN TO PROVIDE FOR RETENTION OF DOWN LOGS
 NO INGROWTH INCLUDED

ACREAGE BY COUNTY (to nearest acre)

Sale Area	Coos County						Douglas County						TOTAL ACRES
	CSL			BOF			CSL			BOF			
	Conifer		Hard wood	Conifer		Hard woods	Conifer		Hard woods	Conifer		Hard woods	
	cc	pc		cc	pc		cc	pc		cc	pc		
1							51						51
SUM	0	0	0	0	0	0	51	0	0	0	0	0	51

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land

CRUISE VOLUME COMPUTATION REPORT

SALE NAME: Little Salander

DATE: 05/28/2007

LEGAL LOCATION: Section 3, 10, T23S, R10W, WM Douglas County

BY: Ryan Greco

GROSS VOLUME MBF *

SPECIES>> AREA	Doug-fir	Hemlock	Hardwds	TOTAL BY AREA
1	3939	50.0	5.0	3994
Less GTR Vol.	363.3	8.5	1	373
Down Wood	35.0	2.0	1	38
GrossNet	3541	39.5	3.0	3583

DEFECT AND BREAKAGE *

ALL AREAS

Species	Doug-fir	Hemlock	Hardwds
Field cull	0.04	0.05	0.05
Hidden cull	0.05	0.04	0.06
Breakage	0.04	0.05	0.04
Total	0.13	0.14	0.15

NET VOLUME BY MBF

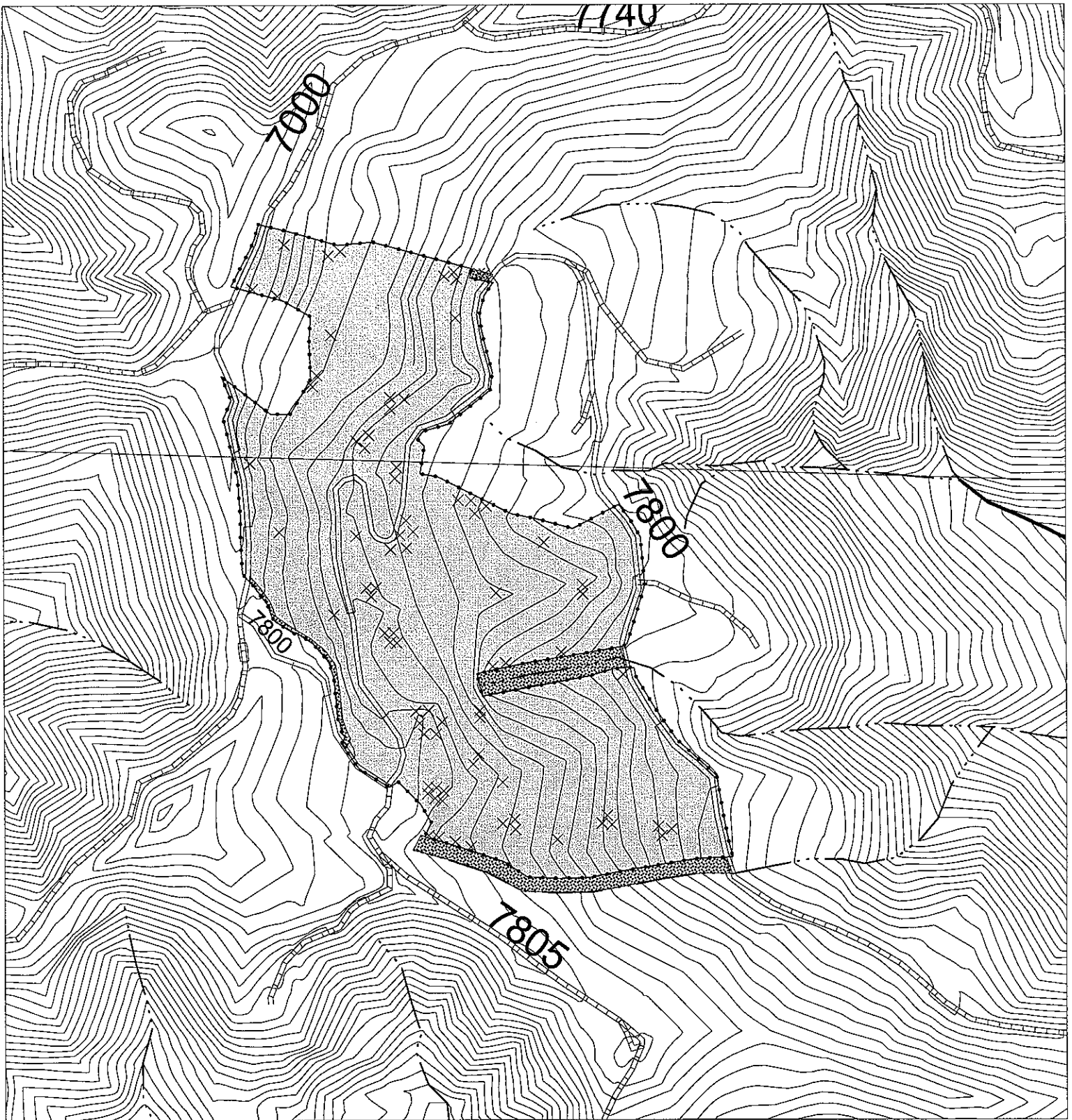
SPECIES AREA	Doug-fir	Hemlock	Hardwds	TOTALS BY AREA
1	3080	34	3	3117
TOTALS	3080	34	3	3117

NET VOLUME BY GRADE AND MBF *

Grade >>>>>>>>>>	Area	Species	3 PEE	SM	2 SAW	3 SAW	Big 3 SAW	4 SAW/CR	check value
		Doug-Fir	123	154	2280	92	431	0	3080
		Hemlock	0	0	7	19	0	8	34.0
		Hardwoods	0	0	0	2	0	1	3

GRADE DISTRIBUTION BY PERCENT

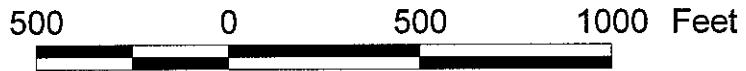
Grade >>>>>>>>>>	Area	Species	3 PEE	SM	2 SAW	3 SAW	Big 3 SAW	4 SAW	
		Doug-fir	4%	5%	74%	3%	14%	0.0%	1.00
		Hemlock	0%	0%	20%	55%	0%	25%	1.00
		Hardwoods	0%	0%	0%	66%	0%	34%	1.00



- Timber Sale Boundary
- GTR
- Streams
 - Type F
 - Type N
 - Unknown
- Road Maintenance
 - Purchaser
 - State
- Stream Buffer
- 20' Contours
- Section Lines
- Ground Based Logging

LOGGING PLAN MAP
 No. 341-08-35
LITTLE SALANDER
 PORTIONS OF SECTIONS 3 & 10,
 T23S, R10W, WM
 DOUGLAS COUNTY, OREGON

Sale Area	Harvest Type	Net Acres
1	Clearcut	51
Total		51



APPROX. SCALE 1" = 500'

Coos District GIS
 5-28-2007
 This product is for informational use and may not have been prepared for, or suitable for legal, engineering, or surveying purposes.