

# **TIMBER SALE APPRAISAL**

## **Siuslaw National Forest Central Coast Ranger District**

### **Choker Bell Thin STWD**

(Sale Name)

14805

(SALE Number)

Fivemile Bell EA

(EA/EIS/CE)

## Choker Bell Thin STWD NARRATIVE

### Description of Contract Area

This contract consists of 9 commercial thinning subdivisions totaling 150 acres and will be sold as a ton contract and scaled 100% weight. There is an estimated 20,132 tons (6,472 ccf or 3,519 mbf) in this contract.

### General Location

This contract is approximately 25 miles northeast of Reedsport, Oregon along Forest Service Road 4811 and is in the Five Mile Bell watershed.

### Routes of Access

Contract is appraised to North Bend, Oregon via Highway 101, county roads 48 (Smith River Road) and 48A (North Fork Road), and National Forest System road 4811 and its tributaries.

### Relation to Other Contracts

There are no sales nearby.

### Marking

Subdivision boundaries are flagged with yellow ribbon and tagged with blue boundary tags. Boundary trees are marked with orange tracer paint. All subdivisions are designation by prescription. Subdivision 3 includes two 1 acre gaps. Gap centers are identified by a leave tree with a pink tracer paint band at DBH and a mark on the stump.

### Logging

Approximately 97% skyline yarding and 3% ground-based skidding was used in calculating the stump-to-truck cost in the appraisal. Skyline yarding is not required by the contract. However, the contractor is to include logging systems and yarding methods that will meet the end results as part of their Technical Proposal. Directional felling is required. Full suspension is required when yarding through streamcourses and buffers.

### Roads and Other Developments

Approximately 0.51 miles of temporary roads and 36 landings are planned. Rock will be needed for temporary roads at the approach to all season system roads. 150 cubic yards of rock was appraised for temporary roads and 150 cubic yards of rock was appraised for landings.

### Road Maintenance

Contractor will be responsible for prehaul, routine, seasonal, and post haul maintenance on system roads. 850 cubic yards of spot rock will be needed on system roads. Specific requirements to prevent the spread of invasive species are included in the road maintenance specifications.

### Specified Road Reconstruction

There is specified reconstruction on roads 4811036 and 4811040 with a total of 2.89 miles. The road completion date is 09/30/2015.

### Erosion Control

Contractor will be required to block temporary roads, install waterbars on landings, skid trails, and temporary roads, and seed landings, skid trails and temporary roads. A coop deposit of \$0.02/ton will be required for the collection and propagation of seed for use on future contracts. Seed will be provided by the Forest Service for use on this contract.

### Slash Disposal

Contractor shall scatter or pile and cover landing slash where present. Contractor shall treat logging slash in subdivisions 1 and 9 within 25 feet of Forest Road 4811. Forest Service will burn piles.

### Scaling

The contract will be scaled by 100% weight and paid for by the ton. Contractor shall request an alternate scaling site and enter into a "Weighing Service Agreement". Any load for which no weight ticket is furnished shall be considered a lost sample load with a weight equal to the weight of the heaviest load presented during the billing period, as established by the Forest Service, K-G.8.5.1.

### Others

Access to units 5, 6, and 7 are through private land (Rosboro). Forest Service has a Road Use Agreement with Rosboro which must be adhered to by the Contractor, K-F.1.1# (Land Use Agreements). Contractor shall be responsible for the purchase of Landowner right-of-way trees directly from Landowner.

Haul restrictions typically listed in K-G.3.1.5# - Project Operation Schedule, have been relocated to K-F.1.2# - Use of Roads.

Corporations submitting an offer under this solicitation must include form AD-3030-FS *Representations Regarding Felony Conviction and Tax Delinquent Status for Corporate Applicants*.

Seasonal restrictions apply. See contract for details.

Equipment cleaning is required before entering the Contract area.

SALE VOLUME SUMMARY  
**Volume Summaries By Unit**

Sale Name: **Choker Bell Thin STWD**

TIM Conversion			0.3215	0.1748		
Unit No.	Acres	TONS	CCF	MBF	% Sale Volume	TON Vol/Ac
1	25	2748	883	480	14	110
2	7	769	247	134	4	110
3	49	5386	1732	941	27	110
4	6	659	212	115	3	110
5	14	2648	851	463	13	189
6	24	4540	1460	794	23	189
7	8	1513	486	264	8	189
8	13	1429	459	250	7	110
9	4	440	141	77	2	110
<b>TOTAL</b>	<b>150</b>	<b>20132</b>	<b>6472</b>	<b>3519</b>	<b>100</b>	

Species	CCF	TONS	% Sale Volume
Douglas fir	5,023	15,492	77
Hemlock	1,449	4,640	23
<b>TOTAL</b>	<b>6,472</b>	<b>20,132</b>	<b>100</b>

USDA - FOREST SERVICE  
Stewardship: Y

REPORT OF TIMBER SALE  
APPRAISAL SUMMARY CCF

R6-FS-2400-17 (04/10)  
Version 1431 (TEA 07-14)

Region: 06  
Forest: 12 Siuslaw  
District: 08 Central Coast  
Salvage: N

Sale Name: Choker Bell Thin STWD  
Sale Number: 14805  
Appraise to: North Bend, OR  
Appraiser: Tara Devenport

Appraisal Date: 07/25/14  
Base Period Ending: 06/30/14  
Competition Factor: 10%  
Essential KV Cost: 0

SELLING PRICES	1	2	3	4	5	6	7	Average	Total
1. Species	D-fir	W Hem							
2. Species Code	205	263							
3. Product/Unit	01-03	01-03							
4. Volume	5,022	1,450							6,472
5. Base Period Price	75.02	68.38						73.53	
6. Base Period Index	214.41	198.40						210.82	
7. Current Index	214.41	198.40						210.82	
8. Rapid Market Adj	10.40	10.40						10.40	
9. Market Adj BP Price	85.42	78.78						83.93	
10. Unusual Adjustment	-49.92	-49.92						-49.92	
11. GBCv-Nonsaw Adj									
12. Product Quality Adj	7.19	15.00						8.94	
13. Adj Base Period Price	42.69	43.86						42.95	277,986.18

COSTS	Zone Avg Cost/UM	Est Sale Cost/UM	Adj to BP Cost	ROADS	Km	Miles	Cost
14. Stump to Truck	151.90	132.04	19.86	Specified Road Con			
15. Haul/Scale	30.44	29.95	.49	Specified Road Rec	4.67	2.90	39,059
16. Road Maintenance	9.05	14.83	-5.78	Temporary Road Con	.82	.51	14,605
17. Contract	14.86	1.42	13.44	Haul Miles		58	
18. Development & Other	4.15	2.26	1.89				
19. Road Const & Recon		6.04	-6.04				
20. Total (lines 14-19)	210.40	186.54	23.86	DEPOSITS:	Br Disp/UM .90	Rd Mtc/UM	C(T)5.213# 4,266.88

ADVERTISED RATES	1	2	3	4	5	6	7	Average	Total
21. Predicted Bid Rate	66.55	67.72						66.81	432,408.10
22. Competition Adjustment	6.66	6.77						6.68	43,263.02
23. Property Value									
24. Indicated Adv Rate	59.89	60.95						60.13	389,145.08
25. Base Rate	1.00	1.00						1.00	6,472.00
26. Adjustment									
27. Advertised Rate	59.89	60.95						60.13	389,145.08

19.33/ton  
0.32/ton  
19.33/ton

CCF to MBF Rate Factors: 1.8552 1.7857 1.8392  
 CCF to MBF Volume Factors: .5390 .5600 .5437  
 MBF to CCF Index Factors: .52 .52  
 CCF Base Index for A(T)5a:  
 CCF Wtd Avg Del Log Price: 355.95 321.37  
 MBF Volume: 2,707 812 3,519  
 Total Tons Removed: 15,492 4,640 20,132  
 Net CCF to Tons Conversion Factor for C8.3#(Option 1) or K-I.3.1#: 3.1106 DEPOSITS/Ton BD: 0.29 RM: 0 EC: 0.02

**PRODUCT QUALITY ADJUSTMENT - OREGON WESTSIDE**

Use with Appraisal Update #7-14

Sale Name: **Choker Bell Thin STWD**

Date: **25-Jul-14** (mm/dd/yy)

Species Group #1	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
205	5.0" - 7.99"	#4 sawmill	584.00	396	844	274.01	-74.75
	8.0"-11.99"	#3 sawmill	672.00	1,203	2,318	348.76	0.00
	12.0"-17.99"	#2 sawmill	675.00	1,108	1,860	402.10	53.34
	18.0" - 30.0"	special mill	713.00				

\$/ton Avg	Avg lb per cf	Volume CCF
25.00		

BPP for chips = **0.00** /ccf

(insert as override on TEA input screen

under BPP/CCF for products 08 and 20)

**Weighted average Product Quality Adjustment (PQA) for Species Group #1 = 7.19 /ccf**

**Weighted average delivered log price for Species Group #1 = 355.95 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #2	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
263,264,108 true firs spruces	5.0" - 7.99"	#4 sawmill	496.00	66	147	222.69	-70.33
	8.0"-11.99"	#3 sawmill	570.00	274	533	293.02	0.00
	12.0"-17.99"	#2 sawmill	587.00	421	696	355.07	62.05
	18.0" - 24.0"	special mill	587.00	51	74	404.55	111.53

**Weighted average Product Quality Adjustment (PQA) for Species Group #2 = 15.00 /ccf**

**Weighted average delivered log price for Species Group #2 = 321.37 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #3	Minimum Dia - dib	Representative Grade*	Log price \$/mbf avg**	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
242	< 12.0"	#4 sawmill	camprun				
	12.0"-23.99"	#3 sawmill	948.00			492.96	0.00
	24.0"+	#2 sawmill	0.00				

**Weighted average Product Quality Adjustment (PQA) for Species Group #3 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #3 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #4	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #4 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #4 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #5	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #5 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #5 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

Species Group #6	Minimum Dia - dib		Log price \$/mbf avg	Volume MBF	Volume CCF	Log price \$/ccf avg	Adjustment Dollars
		If this table is used, → entry needed here				0.00	

**Weighted average Product Quality Adjustment (PQA) for Species Group #6 = 0.00 /ccf**

**Weighted average delivered log price for Species Group #6 = 0.00 /ccf** (enter on TEA input screen as Log Pr/CCF)

\* Industry grade used to associate minimum dib and delivered log price. Volume comprises mostly the representative grade, but also may include material of other grades.

**PRODUCT QUALITY ADJUSTMENT**  
**Combining Species into Appraisal Groups**  
**Determining Weighted Average Delivered Log Price for the Sale**  
**Use with Appraisal Update #7-14**

Sale Name: Choker Bell Thin STWD

Date: 25-Jul-14

**Combining Species into Appraisal Groups (for entry into the TEA input screen)**

Geographic Area	<i>Type a "1" into desired cells to combine species into an appraisal group</i>						Combined Prod Qual Adj	Combined Del Log Price
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6		
Ore West								
Ore East								
Wash West								
Wash East								

**Determining Weighted Average Delivered Log Price for the Sale (for use in analyzing advertised rates)**

Geographic Area	<i>Type a "1" into all cells with volume</i>						Wt Avg Delivered Log Price for the Sale
	Species Group #1	Species Group #2	Species Group #3	Species Group #4	Species Group #5	Species Group #6	
Ore West	1	1					348.20
Ore East							
Wash West							
Wash East							

Enter the Combined Product Quality Adjustment on the TEA input screen under PQA/CCF for the main species in the appraisal group. Enter the Del Log Price under Log Pr/CCF on the TEA input screen for the main species in the appraisal group. Use the weighted average delivered log price for the sales to analyze advertised rates, per R6 FSH 2409.22 Appraisal Handbook. **Refer to the PQA User Guide for more information on the calculation and use of delivered log prices.**

*\*\* Click the "Erase" button above to delete all species combination data \*\**  
*\*\* Press the "Delete" key in appropriate cell to erase individual cell input \*\**

**Appraisal Reminder - When combining species, a weighted average Base Period Price needs to be calculated. Use the table below to calculate a weighted average BPP for the appraisal group.**

The Erase Data button erases Forest number, Salvage, and Species Code and Species Volume (CCF) in the table.

Forest number =   
 Salvage?? =  (1=no, 2=yes)  
 Appraisal zone =

**Appraisal Update #7-14**

**teacost.dat file (TEA 07-14)**

The Appraisal Update # and teacost.dat file date **MUST BE THE SAME** in calculating a weighted

**Species BPP Weighting Table**

Species Code	Species Vol (CCF)	BPP from TEACOST.DAT
Total or Avg	0.00	0.00

**MBF Volume Table**

Species Code	Species Vol (MBF)
Total	0.00

Enter MBF volume from Species Group

# Logging Cost Summary - Estimated Stump To Truck Cost

## Summary By Sale And Logging System

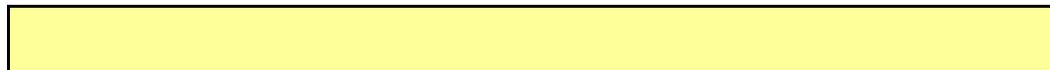
Logging System	Vol Type	Total Volume	Stump-truck \$/vol	Estimated Seasons
Skyline	ccf	6,148	132.79	3
Mechanized		0	0.00	0
Tractor	ccf	324	117.86	3
Shovel		0	0.00	0
Helicopter (1)		0	0.00	0
<b>Sale-as-a-whole</b>		6,472	132.04	

ovhd=6.18/ccf or 11.89/mbf, p&r=2% of costs included (except helicopter)

includes biomass:

\$/saw timber

Est biomass cost		Estimated total number <u>operating</u> days for sale	140
Include biomass in sale-as-a-whole?	<input type="checkbox"/>	Variable shutdown cost (all systems, if any) \$/vol	
		Include variable shutdown in sale-as-a-whole?	<input type="checkbox"/>



Include Chipper?

Hours Used

Haul-\$'s

Select *helicopter alternative*

**Helicopter (1)**

Sale: **Choker Bell STWD**  
Date: **7/14/14**

LOGCOST Version **12.01**

Report summary  
table above in tons



# HAUL COST APPRAISAL - APPRAISAL SUMMARY

Version 7.2, XL 2007 12/1/2009b

Sale name: **Choker Bell STWD**

Geo. area: **OR**

Date: **14-Jul-14**

Cost type	Average trip rtm's	CCF per load	Tot rtm's per day	Total OT rtm's	CCF vol per day	Gross cost per day	Net cost per day	Net cost per ccf	Net \$/ccf w/inflation
<i>w/o scale</i>									
<b>with scale</b>	205.0	8.0	582.0	102.0	22.71	621.36	654.07	28.80	29.95

<<Scaling cost is included in the total haul cost below>>



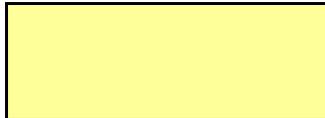
Include scale cost in final haul cost  
**Yes**

Total haul cost, \$/ccf = **\$29.95**

120 minutes

Volume Type...  
**CCF**

Sale or Haul Narrative



Scale cost: \$97.21

**Engineering Notes for  
Choker Bell Thin STWD  
7/30/2014**

A. Haul route roads:

The haul routes for this contract are on National Forest System (NFS) roads, Douglas County Roads and Highway 101. Log haul will travel south on NFS roads listed in Table 1.1 then south on Douglas County Roads 48A(North Fork Road) and 48 (Smith River Road) then south on U.S. 101 to the appraisal point of North Bend, Oregon.

All roads used in this contract are non-key roads except the 4811 which is a key road.

Maintenance on this contract is contractor responsibility.

NFS road beginning and ending termini are detailed in table 1.1

Table 1.1

<b>Road No.</b>	<b>Miles</b>	<b>Beginning Milepost</b>	<b>Ending Termini/Milepost</b>
4811	6.04	DOU-48A	Unit 1 MP 6.04
4811-036	2.50	4811	Unit 7
4811-040	0.80	4811-036	Unit 3
4811-042	0.50	4811	Unit 8
4811-361	0.14	4811-036	Unit 5
4811-362	0.20	4811-036	Unit 5
4811-363	0.10	4811-036	Unit 6
4811-364	0.15	4811-036	Unit 6

The remaining portions of road 4811 is not planned for use under this contract. Spot rock for NFS roads is included and appraised for.

B. System and temporary roads –season of haul, road protection and truck assist.

See logging feasibility report (LFR) for details.

In general, all system roads are appraised for rock re-surfacing or spot rocking except for roads which are paved.

Type 3 waterbars shall not be placed in areas where road grade is greater than 12%.

Truck assist is not appraised for.

**Engineering Notes for  
Choker Bell Thin STWD  
7/30/2014**

C. Unit Notes:

Roads used in this contract trend to haul south.

Unit 1: Longer spur to landing A. Slough material around Landing C. All season to Landings C and G. Rock included and appraised for.

Unit 2: Roadside on 4811-036. Little opportunity for truck turnaround and may need to use the junction of 4811-036/040

Unit 3: Roadside landings on 4811-040. Large landing at G. Road 4811-040 15% to 18% adverse from landings A-G with good surfacing.

Unit 4: Roadside on 4811-036

Units 5, 6 and 7 are located on the fringes of a private inholding owned by Rosboro. Access to these stands is on native surface NFS roads. Roads have heavy brush, downed material, younger reprod and merchantable size trees in road prism. Merchantable timber removed from the road prism shall be disposed of at the landowners' discretion. Haul on 4811-036 has a 400' section of 20% adverse on the private land from units 6&7 with good run out both directions.

Unit 5: Landings located on NFS roads 4811-361 and 362.

Unit 6: Landings located on NFS 4811-363 and 4811-364.

Unit 7: Landings located on 4811-036.

Unit 8: Landings located on 4811-042. Haul from landings on-042 has a section of 15% adverse from landings. Road has good surfacing but has several small fill failures from 4811 to top of ridge, adequate road width remains. Short spur to landing B new construction

Unit 9: Roadside landings on 4811.

**Engineering Notes for  
Choker Bell Thin STWD  
7/30/2014**

D. Pre and post contract operational status for the system roads:

<b>Road #</b>	<b>Precontract status</b>	<b>Post contract planned status</b>	<b>Waterbars/berms</b>
4811	Key, Open	Key, Open	None/None
4811-036 Seg 1	Non-Key, Open	Non-Key, Closed	Type 2 / None
4811-036 Seg 2	Non-Key, Open	Non-Key, Closed	Type 2 & 3 /None
4811-040	Non-Key, Open	Non-Key, Closed	Type 1 / Berm
4811-042	Non-Key, Closed	Non-Key, Closed	Type 1 / Berm
4811-361	Non-Key, Open	Non-Key, Closed	Type 2 / Berm
4811-362	Non-Key, Open	Non-Key, Closed	Type 2 / Berm
4811-363	Non-Key, Open	Non-Key, Closed	Type 2 / Berm
4811-364	Non-Key, Open	Non-Key, Closed	Type 2 / Berm

E. Log Haul Operating season and Haul routes.

<b>Unit Number</b>	<b>Planned Haul Route</b>	<b>Engineering Log Haul Operating season *</b>
1	NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	All season system roads, dry season temp roads to landings A and B
2	NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	All season
3	NFS 4811-040 → NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	All season system roads, dry season temp roads
4	NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	Dry season
5	NFS 4811-361 & -362 → NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	Dry season
6	NFS 4811-363 → NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	Dry season
7	NFS 4811-364 → NFS 4811-036 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	Dry season
8	NFS 4811-042 → NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	Dry season
9	NFS 4811 → DOU 48A → DOU 48 → Hwy 101 → North Bend	All season

\* Dry season is June 15 – October 15.

Rob Sanders  
Transportation Planner  
Siuslaw National Forest

### ROAD MAINTENANCE WORKSHEET

Sale Name: <b>Choker Bell STWD</b>			6,472	CCF Volume		1.27	% OH
			20,132	Tons			
				Purchaser	Co-op		
	Termini			CCF	Work	Deposits	
Road	From	To	Miles	Volume	0.91	0.87	Remarks
4811	Unit 1	DOU-48	6.04	883	0.91		1
4811-040	Unit 3	Jct 4811-036/4811-040	0.80	1,732	0.91		3
4811-036	Jct 4811-036/4811-040	Jct 4811/4811-036	1.50	1,732	0.91		3
4811-361	Unit 5	4811-036	0.14	255	0.91		5
4811-362	Unit 5	4811-036	0.20	596	0.91		5
4811-036	Jct 4811-036/4811-040	Jct 4811/4811-036	1.34	851	0.91		5
4811-363	Unit 6 landing D	4811-036	0.10	1,022	0.91		6
4811-364	Unit 6 landing A	4811-036	0.15	438	0.91		Pick up 6A here
4811-036	Unit 6	Jct 4811-036/4811-040	1.10	1,460	0.91		6
4811-036	Jct 4811-036/4811-040	Jct 4811/4811-036	1.50	1,460	0.91		6
4811-036	Unit 7	4811-036	0.14	486	0.91		7
4811-036	4811-036	Jct 4811/4811-036	2.50	486	0.91		7
4811-036	Unit 4	Jct 4811/4811-036	1.80	212	0.91		All 3,4,5,6,7
4811-036	Unit 2	Jct 4811/4811-036	0.62	247	0.91		
4811	Jct 4811/4811-036	DOU-48	4.73	4,988	0.91		All 2,3,4,5,6,7
4811-042	Unit 8	Jct 4811/4811-042	0.50	459	0.91		U8
4811	Jct 4811/4811-042	DOU-48	4.19	459	0.91		U8
4811	Unit 9	DOU-48	3.42	141	0.91		
DOU-48	DOU-48	US-101	17.31	6,473			
US-101	US-101	North Bend	33.60	6,473			
			81.68				
		Total \$	\$/CCF	\$/Ton		57.50	Weighted Miles
	Purchaser Maint	49,268.04	7.61	2.45			
	Misc Maint. (see Eng. Notes)	0.00	0.00	0.00			
	Spot Rock (see worksheet)	46,750.00	7.22	2.32			
	Co-op Deposits	0.00	0.00	0.00			
	Totals	96,018.04	14.83	4.77			

**Temporary Road and Landing Cost Worksheet**

<b>Sale Name:</b>	<b><u>Choker Bell STWD</u></b>							6,472	CCF volume
	Temporary Roads					Landings			
Unit No. or temp road identifier	Length (Feet)	Cost for Re-open or New	Rock (cuyd)	Rock Cost \$/cuyd	Total Road Cost	Landing Costs	Rock (cuyd)	Rock Cost \$/cuyd	Total Landing Cost
Unit 1	1,302	\$3,255	150	\$55.00	\$11,505.00	\$1,050	30	\$55.00	\$2,700.00
Unit 2				\$55.00	\$0.00	\$150		\$55.00	\$150.00
Unit 3	675	\$1,350		\$55.00	\$1,350.00	\$1,500	100	\$55.00	\$7,000.00
Unit 4				\$55.00	\$0.00	\$300		\$55.00	\$300.00
Unit 5				\$55.00	\$0.00	\$300		\$55.00	\$300.00
Unit 6	500	\$1,250		\$55.00	\$1,250.00	\$600		\$55.00	\$600.00
Unit 7				\$55.00	\$0.00	\$300		\$55.00	\$300.00
Unit 8	200	\$500		\$55.00	\$500.00	\$300		\$55.00	\$300.00
Unit 9				\$55.00	\$0.00	\$300	20	\$55.00	\$1,400.00
	2,677	\$6,355	150		\$14,605.00	\$4,800	150		\$13,050
0.51	miles			Costs per CCF:	\$2.26			Costs per CCF:	\$2.02

Sale Name: Choker Bell STWD

Spot Rock Replacement Cost Worksheet

Road No.	Miles	cuyd of rock/mi	Total cuyd rock/road	\$/cuyd	Total
4811	6.04	50	310	\$55.00	\$17,050.00
4811-036	2.50	100	250	\$55.00	\$13,750.00
4811-040	0.80	100	80	\$55.00	\$4,400.00
4811-042	0.50	50	30	\$55.00	\$1,650.00
4811-361	0.14	0	0		
4811-362	0.20	0	0		
4811-363	0.10	0	0		
4811-364	0.15	0	0		
Waterbars***	waterbars	3 cy/waterbar	180	\$55.00	\$9,900.00
	57				
Totals	10.43		850		\$46,750.00

\*\*\* Waterbar rock for filling in or over bladed out waterbars, grading Q



## Detailed listing of Brush Disposal Activities (Working Copy)

<b>(1) Proclaimed Forest</b> Siuslaw		<b>(2) District/Unit</b> Central Coast Ranger District								
<b>(3) Sale Name</b> CHOKER BELL THIN STWD(14805)		<b>(4) Award Date</b>								
<b>(5) Compartment Or GIS Reference</b>		<b>(6) Type of Plan</b> <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #								
<b>(7) Purchaser</b>		<b>(8) Contract</b>								
<b>(9) List of Activity Fuels Treatment Projects</b>		<b>Local Qualifier</b>	<b>(10) Work Activity</b>	<b>(11) Unit of Work</b>	<b>(12) Cost Per Unit</b>	<b>(13) Projects by Fund Code</b>			<b>(14) BD Funded Projects</b>	
<b>a) Subunit</b>	<b>b) Activity</b>					<b>a) Fund Code</b>	<b>b) No. of Units</b>	<b>c) Total Cost</b>	<b>a) No. of Units</b>	<b>b) Total Cost</b>
061208BD14805000000	1100 Fuel Inventory	N/A	HF	Acres	\$6.12	BDBD	150.0	\$918	150.0	\$918
061208BD14805000000	1130 Burning of Piled Material	N/A	HF	Acres	\$21.22	BDBD	150.0	\$3,183	150.0	\$3,183
<b>Subtotal for Fund Code BDBD</b>								\$4,101		
061208BD14805000000	1150 Rearrangement of Fuels	N/A	HF	Acres	\$559.00	PPPP	0.9	\$503		
061208BD14805000000	1153 Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$4.66	PPPP	150.0	\$699		
<b>Subtotal for Fund Code PPPP</b>								\$1,202		
<b>15. Total BD work funded</b>										<b>\$4,101</b>
<b>16. National Program Support</b>										<b>\$1,694</b>
<b>17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)</b>										<b>\$5,795</b>
<b>18. Remarks:</b> Forest Collection Rate: Assessment included in unit cost National Collection Rate for Program Support: 41.3% Inflation Rate: 2% Rate Remarks: Regional Direction FY13 PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.										

Choker Bell BD Appraisal Narrative  
 NEPA: North Fork Siuslaw (29832)  
 Sale #: 14805  
 Preparer: Chris Waverek

FACTS Activity Code	FACTS Description	Actual Activity (as performed on the ground)	Planned Units in FACTS (acres)	Planned Unit on the ground
1100 (Agency)	Fuel Inventory	Fuels assessment, monitoring, writing burn plans.	150	150 acres
1130 (Agency)	Burning of Piled Material	Burning of machine piles on landings. Pile totals are calculated by assuming one pile per landing on open roads.	150	Burn 20 piles
1153 (Purchaser)	Piling of Fuels, Hand or Machine	Covering the piles with a 10X10 piece of plastic.	150	Cover 20 piles
1150 (Purchaser)	Rearrangement of Fuels	Roadside treatments which include: burning of piles, chipping, mastication or scattering.	0.9 acres	0.9 acres

**Required Activities Per Unit-**

**Unit 1:**

Piles-

- Pile, cover and burn 2 landings on FSR 4811 and 2 landing on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- Treat logging slash 25 feet from the edge of FSR 4811 into the unit, for a total of 0.5 acres. Treatment methods may include: Directional felling of trees away from roads, piling and burning hand and machine piles, or mechanical treatment—chipping, mastication, and scattering. High cut banks (with no slash) can be considered adequate fuel breaks.

Wildland Urban Interface-

- N/A

**Unit 2:**

Piles-

- Pile, cover and burn 3 landings on FSR 4811036 as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

### **Unit 3:**

#### Piles-

- Pile, cover and burn 8 landings on FSR 4811040 and 1 landing on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

#### Roadside-

- N/A

#### Wildland Urban Interface-

- N/A

### **Unit 4:**

#### Piles-

- Pile, cover and burn 1 landing on FSR 4811036A as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

#### Roadside-

- N/A

#### Wildland Urban Interface-

- N/A

### **Unit 5:**

#### Piles-

- Pile, cover and burn 1 landing on FSR 4811036A as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

#### Roadside-

- N/A

#### Wildland Urban Interface-

- N/A

### **Unit 6:**

#### Piles-

- Pile, cover and burn 2 landings on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

#### Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 7:**

Piles-

- Pile, cover and burn 1 landings on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 8:**

Piles-

- Pile, cover and burn 1 landing on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- N/A

Wildland Urban Interface-

- N/A

**Unit 9:**

Piles-

- Pile, cover and burn 2 landings on FSR 4811 and on temp roads as identified on logging systems map.
- Scatter landing slash not identified for piling to a height no greater than 1 foot from forest floor or road/landing surface.

Roadside-

- Treat logging slash 25 feet from the edge of FSR 4811 into the unit, for a total of 0.4 acres. Treatment methods may include: Directional felling of trees away from roads, piling and burning hand and machine piles, or mechanical treatment—chipping, mastication, and scattering. High cut banks (with no slash) can be considered adequate fuel breaks.

Wildland Urban Interface-

- N/A

\*All accomplishment reporting in FACTS is in acres. The dollar amount for treating the unit is calculated by determining the per pile dollar amount and multiplying that amount by number of piles. The total dollar amount is then divided by total acreage to get a dollar per acre figure.

**For Example:** It is estimated in Choker Bell Thin that there will be 20 landing piles to burn. The cost per pile for this sale is \$150 which is multiplied by 20 piles= \$3,000 total to burn the estimated number of piles.

Dollar per acre is calculated by:  $\$3,000 \text{ total pile burning cost} / 150 \text{ total acres} = \$20.00/\text{acre}$

## EROSION CONTROL PLAN AND APPRAISAL

Forest: **Siuslaw**

District: **Central Coast**

Sale Name: **Choker Bell STWD**

CCF Volume: **6,472**

miles of temp.road: **0.51**

Work will be done by purchaser.

WORK ITEM	Unit of Measure	Number of Units	Cost per Unit (\$)	Total (\$)
(1) PERMANENT ROAD STABILIZATION				
a. Seed				
(2) TEMP. ROADS (put to bed)				
a. Remove culverts/bridges				
b. Outsloping				
c. Cross ditching	each	27	\$10.00	\$270.00
d. Scarifying				
e. Barriers	each	4	\$150.00	\$600.00
f. Seed	acres	0.5	\$425.60	\$212.80
(3) SKIDROADS & TRAILS				
a. Remove culverts/bridges				
b. Waterbars & cross drains	each	1	\$10.00	\$10.00
c. Brush dams				
d. Seed	acres	0.2	\$425.60	\$85.12
(4) FIRELINE STABILIZATION				
a. waterbars & cross drains	each	0		
b. Seed	acres	0		
(5) LANDING				
a. Drainage ditches	each	72	\$10.00	\$720.00
b. Scarifying				
c. Cut & fill stabilization				
d. Seed	acres	0.7	\$425.60	\$297.92
(6) DISTURBED MEADOWS				
a. Land treatment				
b. Seed				
(7) CHANNEL CLEARING				
a. By hand				
b. By machine				
(8) MAINTAIN EROSION STRUCTURES				
(9) OTHER (specify)				
a.				
b.				
c.				
(10) TOTAL COSTS				\$2,195.84
(11) Cost per CCF for Appraisal				\$0.34

## EROSION CONTROL WORKSHEET

Sale Name: **Choker Bell STWD**

### Seeding

Acres that will need treating are as follows:

- A. Temporary Roads in the sale will be treated, total is about 2,677 feet in length, or about 1.0 acres of Temporary Roads of which about half will be seeded or about 0.5 acres. Road width is based on 16 feet.
- B. Ground-based area in the sale totals 7 acres, ground-based area covered by skid roads is about 10% or 0.7 acres of which a quarter will be seeded or about 0.2 acres.
- C. Fireline stabilization - about 0 feet of fireline with an average width of 0 feet or about 0.0 acres will be seeded.
- D. Landings - total number of landings - average of 0.1 acres each 36 for a total of about 3.6 acres of which 20% will be seeded or about 0.7 acres.

### Erosion Control Structures

Cost is \$10.00 per cross drain x 100 crossdrains = \$1,000.00

Landings:	72
Firelines:	0
Skid Roads & Trails:	1
Temporary Roads:	27
Total:	100

Appraised one crossdrain per 100 feet of disturbance. Appraised two crossdrains per native surface landing. Estimated approximately 300 feet of skid trails per acre.

### Temporary Road Barriers

4 Barriers X \$150.00 /barrier = \$600.00  
(one barrier per road)