

# SR. FORESTRY CDE TIMBER CRUSING FOR BOARD FOOT VOLUME

AREA \_\_\_\_\_

Name \_\_\_\_\_

TEAM # \_\_\_\_\_

MEMBER ID \_\_\_\_\_

School \_\_\_\_\_

Use the volume table below to determine total volume of trees tagged in this event.

**Stump height 6" above ground- Merchantable height 10" top.**

VOLUME (BOARD FEET) BY NUMBER OF USABLE 16-FT. LOGS

Doyle Log Rule (Form Class 80)

Tree Dia. Inches	Number of 16-ft. logs								
	1	1½	2	2½	3	3½	4	4½	5
10	16	20	23	24	26				
11	24	30	35	38	42				
12	31	39	47	52	57	60	62		
13	42	53	64	72	80	84	88		
14	52	67	82	93	104	109	114		
15	64	84	104	118	132	141	150		
16	77	101	125	143	161	174	186		
17	92	122	152	175	198	214	230		
18	108	144	179	206	234	254	273		
19	126	168	210	244	278	301	324		
20	144	193	242	282	321	348	374	396	417
21	164	221	278	324	370	403	436	462	489
22	185	250	315	368	420	458	497	529	561
23	208	282	356	417	478	521	564	604	643
24	231	314	397	466	536	583	630	678	725
25	256	350	443	522	600	655	710	764	818
26	282	386	489	576	663	727	791	852	912
27	310	425	540	638	735	806	877	946	1015
28	339	466	592	700	807	885	963	1040	1118
29	370	509	648	766	884	970	1056	1144	1232
30	400	552	703	832	961	1055	1149	1248	1346

Tree	DBH	Pts.	NUMBER of LOGS	Pts.	Vol.
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

**Total Volume**

3 points for each correct diameter

3 points for each correct height

40 points for correct board ft. volume

Minus 1 pt. for each +/- 1% total volume (5 points/5% deviation)

<b>Scoring Space</b>	
Students Total Volume	_____
Correct Total Volume	_____
Deviation (+ or - %)	_____
Conversion to points (1%=1pt)	_____
40 points minus deduction	_____ add for total
Points for diameter	_____ add for total
Points for height	_____ add for total
<b>Total Points</b>	_____

<b>Student Work Space</b>