

Creel and Lake Information

Lake Information

Lake Name: Oahe
Lake Code: LLO-Lake-2952-800
Surface Area: 113,252.36 Hectares
County: Dewey
Start Date: 5/1/2017
End Date: 7/30/2017
Months Included: May, June, July

Table 1. Percent of angling parties interviewed primarily targeting a species (or any species) by month and overall for Oahe during 2016 - 2017. Any Species (ANY), Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

Year	Month	# of Interviews	Percent of Anglers Targeting						
			ANY	CCF	NOP	SMB	WAE	WHB	YEP
2017	May	390	19.0	0.8	7.9	3.8	66.7	0.0	0.0
	June	758	8.8	0.3	0.5	1.7	87.5	0.0	0.0
	July	690	6.4	0.7	0.3	1.6	88.3	0.1	0.0
	Overall	1838	10.1	0.5	2.0	2.1	83.4	0.1	0.0

Table 2. Monthly and overall number of interviews, angler hours, angler days, mean trip length, mean party size, percent of parties interviewed that were South Dakota residents, percent of angling activity from a boat or shack and percent of angling activity that occurred on weekends and holidays at Oahe (80% confidence interval).

Year	Month	# Interviews	Angler Hours	Angler Days	Trip Length (h)	Party Size	% SD Residents	% Boat or Shack	% Weekend/Holidays
2017	May	390	108,071 (43,896)	23,341	4.63 (0.64)	2.22 (0.24)	78	73	55
	June	758	256,549 (63,097)	51,207	5.01 (0.65)	2.59 (0.27)	73	94	50
	July	690	273,770 (60,318)	53,786	5.09 (0.56)	2.44 (0.26)	79	97	57
	Overall	1838	638,390 (97,706)	130,018	4.91 (0.36)	2.41 (0.15)	77	91	54

Table 3. Estimated fishing pressure (angler hours) by month during the summer season 2017 daylight period on Oahe (80% confidence interval).

Zone	Month			Total
	April	May	June	
Lower	17,406 (18,252)	48,632 (16,837)	59,256 (18,251)	301,118 (70,950)
Middle	26,277 (19,695)	81,229 (38,417)	104,472 (41,220)	211,978 (59,689)
Upper	64,388 (34,726)	126,689 (47,137)	110,042 (40,077)	125,293 (30,818)

Table 4. Estimated number of fish harvested for selected species, by zone during the May-August 2017 daylight period on Oahe (80% confidence interval).

Species	Zone			
	Lower	Middle	Upper	Total
Channel Catfish	1,413 (763)	3,372 (1,156)	2,792 (593)	7,577 (2,512)
Northern Pike	1,460 (646)	1,459 (463)	1,815 (526)	4,734 (1,635)
Smallmouth Bass	3,177 (1,251)	5,234 (1,561)	7,248 (2,376)	15,659 (5,188)
Walleye	28,239 (7,603)	62,686 (18,952)	160,454 (36,147)	251,378 (62,702)
White Bass	1,192 (563)	102 (76)	1,498 (495)	2,792 (1,134)
Yellow Perch	331 (254)	140 (90)	1,769 (558)	2,241 (903)

Table 5. Estimated number of fish harvested, by species and month, for the summer season 2017 daylight period on Oahe (80% confidence interval).

Species	Month			Total
	May	June	July	
Channel Catfish	1,312 (757)	2,090 (902)	4,175 (940)	7,577 (2,599)
Northern Pike	1,933 (609)	1,815 (623)	986 (386)	4,734 (1,618)
Smallmouth Bass	3,171 (1,001)	5,659 (1,837)	6,828 (2,296)	15,659 (5,134)
Walleye	41,329 (12,357)	98,122 (27,433)	111,927 (28,607)	251,378 (68,397)
White Bass	679 (270)	1,725 (657)	388 (251)	2,792 (1,178)
Yellow Perch	669 (248)	656 (277)	916 (496)	2,241 (1,021)
Total	49,092 (15,243)	110,067 (31,729)	125,220 (32,975)	284,380 (79,947)

Table 6a. Estimated monthly and overall angler catch rate per hour fished (C/h) for all anglers by species at Oahe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h
2017	May	0.03 (0.03)	0.05 (0.03)	0.21 (0.13)	0.82 (0.52)	0.03 (0.02)	0.02 (0.01)
	June	0.04 (0.02)	0.03 (0.02)	0.14 (0.06)	1.10 (0.49)	0.06 (0.03)	0.03 (0.01)
	July	0.15 (0.05)	0.03 (0.02)	0.14 (0.06)	1.25 (0.71)	0.03 (0.02)	0.03 (0.02)
	Overall	0.09 (0.02)	0.04 (0.01)	0.15 (0.04)	1.11 (0.37)	0.04 (0.01)	0.03 (0.01)

Table 6b. Estimated monthly and overall angler harvest rate per hour fished (H/h) for all anglers by species at Oahe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h
2017	May	0.01 (0.02)	0.02 (<0.01)	0.03 (0.02)	0.38 (0.25)	0.01 (<0.01)	0.01 (<0.01)
	June	0.01 (<0.01)	0.01 (<0.01)	0.02 (0.01)	0.38 (0.17)	0.01 (<0.01)	<0.01 (<0.01)
	July	0.02 (<0.01)	<0.01 (<0.01)	0.02 (0.01)	0.41 (0.22)	<0.01 (<0.01)	<0.01 (<0.01)
	Overall	0.01 (<0.01)	0.01 (<0.01)	0.02 (<0.01)	0.39 (0.12)	<0.01 (<0.01)	<0.01 (<0.01)

Table 7a. Estimated monthly and overall angler catch rate per hour fished (C/h) only for anglers primarily targeting a species at Oahe. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		C/h	C/h	C/h	C/h	C/h	C/h
2017	May	1.19 (0.28)	0.22 (0.36)	2.73 (1.33)	0.75 (0.19)	0.00	0.00
	June	1.27	0.65	1.16 (1.44)	1.03 (0.35)	0.00	0.00
	July	1.02	0.78	0.85 (0.42)	1.36 (0.51)	0.00	0.00
	Overall	1.11 (0.06)	0.43 (0.21)	1.65 (0.68)	0.98 (0.18)	0.00	0.00

Table 7b. Estimated monthly and overall angler harvest rate per hour fished (H/h) only for anglers primarily targeting a species at Oahe. (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and Other Species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		H/h	H/h	H/h	H/h	H/h	H/h
2017	May	1.19 (0.37)	0.16 (0.35)	0.13 (0.06)	0.37 (0.09)	0.00	0.00
	June	1.27	0.46	0.16 (0.54)	0.38 (0.15)	0.00	0.00
	July	0.38	0.00	0.11 (0.05)	0.44 (0.20)	0.00	0.00
	Overall	0.74 (0.08)	0.20 (0.20)	0.13 (0.17)	0.39 (0.08)	0.00	0.00

Table 8a. Estimated monthly and overall angler catch (C) for all anglers by species at Oahe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		C	C	C	C	C	C
2017	May	3,453 (967)	5,786 (1,237)	22,437 (5,058)	89,049 (24,965)	3,578 (530)	2,487 (902)
	June	10,356 (2,857)	8,315 (2,168)	34,722 (8,343)	281,822 (83,346)	14,760 (6,058)	6,536 (2,040)
	July	42,178 (10,528)	9,012 (2,490)	39,301 (11,696)	340,921 (90,784)	8,341 (2,796)	7,613 (2,664)
	Overall	55,987 (10,952)	23,113 (3,525)	96,461 (15,231)	711,792 (125,744)	26,679 (6,693)	16,635 (3,475)

Table 8b. Estimated monthly and overall angler harvest (H) for all anglers by species at Oahe (80% confidence interval). Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) and other species (Other).

Year	Month	CCF	NOP	SMB	WAE	WHB	YEP
		H	H	H	H	H	H
2017	May	1,312 (757)	1,933 (609)	3,171 (1,001)	41,329 (12,357)	679 (270)	669 (248)
	June	2,090 (902)	1,815 (623)	5,659 (1,837)	98,122 (27,433)	1,725 (657)	656 (277)
	July	4,175 (940)	986 (386)	6,828 (2,296)	111,927 (28,607)	388 (251)	916 (496)
	Overall	7,577 (1,507)	4,734 (953)	15,659 (3,106)	251,378 (41,516)	2,792 (754)	2,241 (620)

Table 9. Estimated number and rate (number per hour) of Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP) caught and harvested by anglers during the summer and winter fisheries on Oahe, (80% confidence interval).

Channel Catfish

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	33,212 (4,516)	15,038 (2,267)	0.04 (<0.01)	0.02 (<0.01)
Summer	2009	28,679 (5,609)	10,648 (2,551)	0.03 (<0.01)	0.01 (<0.01)
Summer	2010	51,353 (10,876)	12,189 (1,831)	0.04 (0.01)	0.01 (<0.01)
Summer	2011	64,884 (12,353)	16,777 (2,453)	0.05 (0.01)	0.01 (<0.01)
Summer	2012	68,406 (11,608)	14,885 (2,048)	0.06 (0.01)	0.01 (<0.01)
Summer	2013	103,981 (15,378)	17,820 (3,119)	0.10 (0.02)	0.02 (<0.01)
Summer	2014	67,329 (13,502)	20,152 (7,594)	0.09 (0.02)	0.03 (<0.01)
Summer	2015	67,978 (18,566)	12,716 (5,024)	0.09 (0.03)	0.02 (<0.01)
Summer	2017	55,987 (10,952)	7,577 (1,507)	0.09 (0.02)	0.01 (<0.01)

Northern Pike

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	1,748 (388)	668 (221)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	4,152 (568)	1,461 (200)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2010	49,865 (7,028)	6,570 (1,022)	0.04 (<0.01)	0.01 (<0.01)
Summer	2011	132,285 (16,473)	18,282 (2,681)	0.10 (0.02)	0.01 (<0.01)
Summer	2012	230,186 (24,158)	29,514 (3,776)	0.19 (0.04)	0.02 (<0.01)
Summer	2013	84,072 (13,593)	11,075 (1,655)	0.08 (0.02)	0.01 (<0.01)
Summer	2014	32,243 (5,443)	6,681 (1,383)	0.04 (0.01)	0.01 (<0.01)
Summer	2015	34,963 (6,008)	3,433 (699)	0.05 (0.01)	<0.01 (<0.01)
Summer	2017	23,113 (3,525)	4,734 (953)	0.04 (0.01)	0.01 (<0.01)

Smallmouth Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	56,048 (8,872)	7,955 (1,122)	0.06 (0.01)	0.01 (<0.01)
Summer	2009	46,183 (7,488)	6,853 (974)	0.05 (0.01)	0.01 (<0.01)
Summer	2010	184,016 (29,285)	24,828 (3,380)	0.16 (0.03)	0.02 (<0.01)
Summer	2011	191,392 (23,602)	25,321 (4,200)	0.14 (0.04)	0.02 (<0.01)
Summer	2012	323,113 (38,190)	61,832 (7,687)	0.27 (0.06)	0.05 (0.01)
Summer	2013	147,810 (23,867)	30,913 (5,316)	0.14 (0.03)	0.03 (<0.01)
Summer	2014	73,422 (16,809)	20,139 (5,234)	0.10 (0.03)	0.03 (<0.01)
Summer	2015	89,855 (17,613)	19,704 (4,835)	0.12 (0.04)	0.03 (<0.01)
Summer	2017	96,461 (15,231)	15,659 (3,106)	0.15 (0.04)	0.02 (<0.01)

Walleye

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	543,581 (74,393)	304,646 (42,233)	0.62 (0.12)	0.35 (0.07)
Summer	2009	363,668 (53,011)	235,740 (31,599)	0.39 (0.08)	0.25 (0.05)
Summer	2010	416,887 (60,377)	270,989 (40,997)	0.36 (0.07)	0.24 (0.05)
Summer	2011	1,812,634 (228,412)	579,823 (68,549)	1.37 (0.41)	0.44 (0.12)
Summer	2012	2,342,623 (296,718)	691,188 (80,259)	1.94 (0.49)	0.57 (0.15)
Summer	2013	1,725,691 (308,472)	781,868 (122,620)	1.61 (0.42)	0.73 (0.18)
Summer	2014	932,379 (148,332)	369,928 (55,750)	1.21 (0.37)	0.48 (0.14)
Summer	2015	571,664 (90,791)	308,513 (49,305)	0.77 (0.22)	0.42 (0.12)
Summer	2017	711,792 (125,744)	251,378 (41,516)	1.11 (0.37)	0.39 (0.12)

White Bass

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	18,314 (3,199)	4,262 (758)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2009	24,337 (5,347)	8,701 (1,566)	0.03 (<0.01)	0.01 (<0.01)
Summer	2010	22,070 (3,363)	6,130 (971)	0.02 (<0.01)	0.01 (<0.01)
Summer	2011	34,893 (6,729)	8,409 (2,225)	0.03 (<0.01)	0.01 (<0.01)
Summer	2012	34,379 (4,415)	9,597 (2,001)	0.03 (<0.01)	0.01 (<0.01)
Summer	2013	37,323 (7,316)	7,866 (1,563)	0.03 (<0.01)	0.01 (<0.01)
Summer	2014	14,634 (3,668)	2,430 (562)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2015	15,694 (3,468)	3,156 (945)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2017	26,679 (6,693)	2,792 (754)	0.04 (0.01)	<0.01 (<0.01)

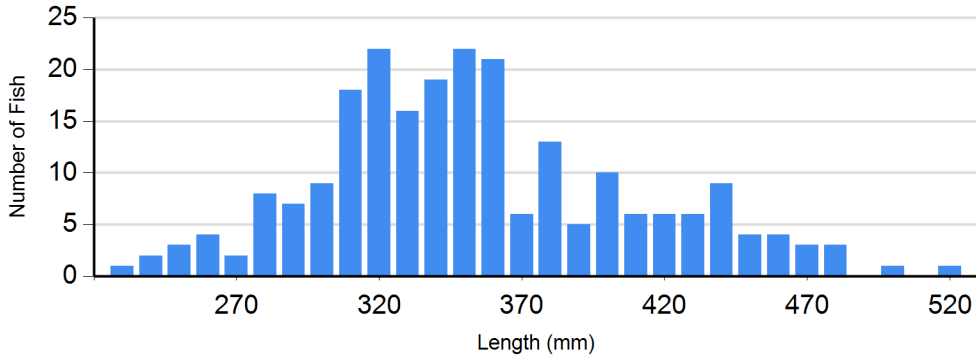
Yellow Perch

Season	Year	Catch	Harvest	Catch Rate	Harvest Rate
Summer	2008	8,557 (1,875)	813 (114)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2009	24,235 (4,549)	3,065 (652)	0.03 (<0.01)	<0.01 (<0.01)
Summer	2010	172,416 (33,427)	9,281 (1,821)	0.15 (0.04)	0.01 (<0.01)
Summer	2011	101,466 (17,828)	6,967 (1,700)	0.08 (0.02)	0.01 (<0.01)
Summer	2012	18,011 (1,706)	3,354 (608)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2013	5,847 (1,297)	1,027 (130)	0.01 (<0.01)	<0.01 (<0.01)
Summer	2014	1,885 (802)	573 (298)	<0.01 (<0.01)	<0.01 (<0.01)
Summer	2015	12,792 (3,082)	1,453 (440)	0.02 (<0.01)	<0.01 (<0.01)
Summer	2017	16,635 (3,475)	2,241 (620)	0.03 (0.01)	<0.01 (<0.01)

Table 10. The number of fish harvested with each species by length group (mm) for the winter and summer fisheries at Oahe. Abbreviations for species are as follows: Channel Catfish (CCF), Northern Pike (NOP), Smallmouth Bass (SMB), Walleye (WAE), White Bass (WHB), Yellow Perch (YEP).

Summer 2017						
Length Group (mm)	CCF (N=0)	NOP (N=0)	SMB (N=231)	WAE (N=5420)	WHB (N=0)	YEP (N=0)
200				1		
210				2		
220				2		
230			1	2		
240			2	3		
250			3	5		
260			4	2		
270			2	2		
280			8	6		
290			7	18		
300			9	53		
310			18	119		
320			22	297		
330			16	382		
340			19	523		
350			22	615		
360			21	645		
370			6	531		
380			13	453		
390			5	333		
400			10	320		
410			6	243		
420			6	153		
430			6	138		
440			9	113		
450			4	93		
460			4	71		
470			3	51		
480			3	51		
490				45		
500			1	37		
510				24		
520			1	16		
530				11		
540				7		
550				15		
560				8		
570				11		
580				3		
590				5		
600				3		
610				3		
620						
630				1		
640						
650				1		
660				1		
670						
680						
690						
700						
710						
720				1		
730				1		

Length frequency of angler-harvested Smallmouth Bass measured by the creel clerk during creel surveys on Oahe.

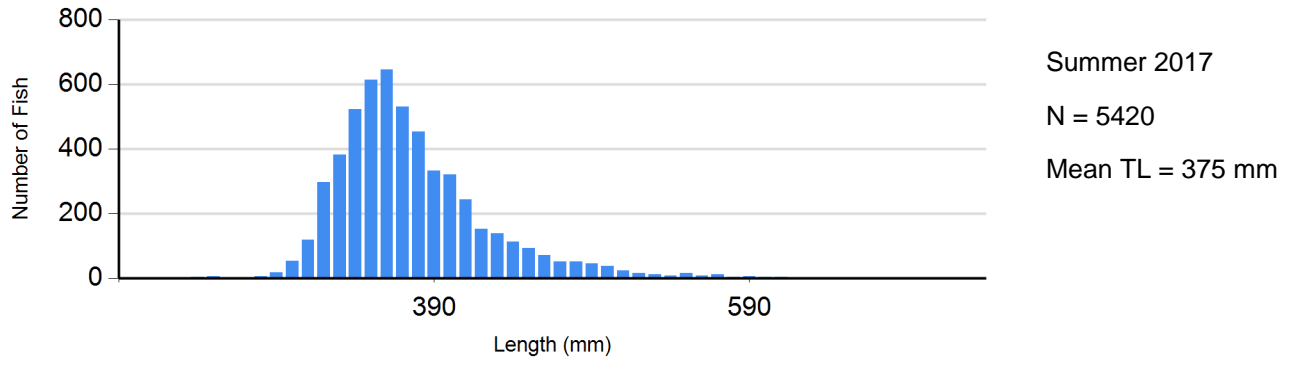


Summer 2017

N = 231

Mean TL = 353 mm

Length frequency of angler-harvested Walleye measured by the creel clerk during creel surveys on Oahe.



South Dakota county of residence for winter and summer resident anglers fishing Oahe,
South Dakota between May 2017 and July 2017.

Summer 2017

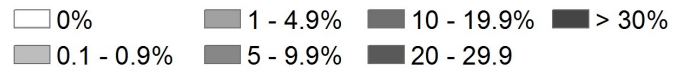
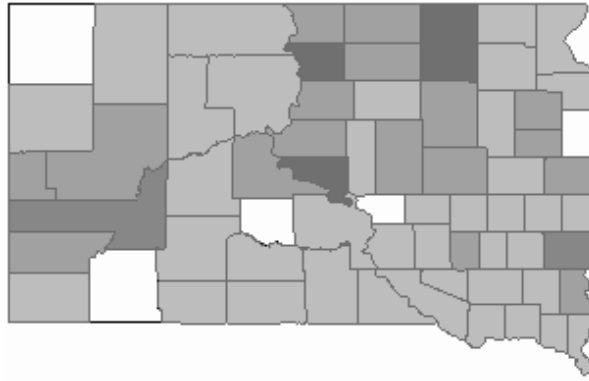


Table 11. Number of parties or anglers interviewed that harvested (or caught) a specified number of fish total over selected strata for a species.

Angler Harvest	Count					
	CCF (n=74)	NOP (n=36)	SMB (n=54)	WAE (n=0)	WHB (n=0)	YEP (n=0)
0.00	0	0	0	0	0	0
0.14	0	0	0	1	0	0
0.17	0	0	0	1	0	0
0.20	0	0	0	4	0	0
0.25	0	1	0	9	0	0
0.33	0	0	0	23	0	0
0.40	0	0	0	10	0	0
0.43	0	0	0	3	0	0
0.50	0	1	0	88	0	0
0.60	0	0	0	9	0	0
0.63	0	0	0	5	0	0
0.67	0	4	2	60	0	0
0.75	0	9	0	39	0	0
0.80	0	0	0	4	0	0
1.00	0	7	2	314	0	0
1.13	0	0	0	9	0	0
1.17	0	0	0	14	0	0
1.20	0	0	0	6	0	0
1.25	0	0	0	45	0	0
1.33	0	0	0	116	0	0
1.40	0	0	0	14	0	0
1.50	3	0	0	219	0	0
1.60	0	0	0	8	0	0
1.67	0	5	0	105	0	0
1.75	0	0	7	35	0	0
1.80	0	0	0	9	0	0
1.83	0	0	0	11	0	0
1.88	0	0	0	15	0	0
2.00	0	2	18	396	0	0
2.20	0	0	0	22	0	0
2.25	0	0	0	63	0	0
2.33	0	0	0	175	0	0
2.50	0	0	0	290	0	0
2.60	0	0	0	39	0	0
2.67	0	0	0	144	0	0
2.75	0	0	0	66	0	0
2.80	0	0	0	42	0	0
3.00	18	0	0	537	0	0
3.20	0	0	0	16	0	0
3.25	0	0	0	78	0	0
3.33	0	0	0	180	0	0

3.50	7	7	0	378	0	0
3.57	0	0	0	25	0	0
3.60	0	0	0	18	0	0
3.67	0	0	0	143	0	0
3.75	0	0	15	60	0	0
3.80	0	0	0	19	0	0
4.00	24	0	0	3972	0	0
4.50	0	0	0	27	0	0
5.00	0	0	10	0	0	0
5.50	22	0	0	11	0	0
6.00	0	0	0	6	0	0
8.00	0	0	0	8	0	0
12.00	0	0	0	12	0	0
12.50	0	0	0	25	0	0
15.00	0	0	0	0	0	0
