

Exam Date:11/10/2014

Fessenden Cooperative Association

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Examiner: 2

PO Box 126  
 Fessenden , ND  
 County:  
 Phone: 701-547-3291  
 CCC Number:

Location/Container Numbers/Comments	Section	Capacity
<b>PART A - ADDITIONAL SPACE TO BE INCLUDED UNDER LICENSE</b>		
025	D	548,756
026	D	548,756
		<b>Total:</b> 1,097,512

**PART B - SPACE TO BE DELETED UNDER LICENSE**

&lt;NO BINS DELETED&gt;

**Total:** 0**PART C - ALL SPACE TO BE INCLUDED UNDER LICENSE**

1A	562,000
1B	133,000
A	1,627,000
C	238,000
D	2,562,000
G	551,000
I	167,000
I-G	50,000
J	205,000
K	2,914,000
K-G	499,000
L	680,000
<b>Total:</b> 10,188,000	

**PART D - TOTAL CAPACITY BY FUNCTIONAL UNIT**

Carrington 1080	J K K-G	3,618,000
Esmond 308	G	551,000
Fessenden 307	1A 1B A	2,322,000
Hamberg 312	D I I-G	2,779,000
Heimdal 311	C	238,000
New Rockford 1140	L	680,000
<b>Total:</b>		<b>10,188,000</b>

## NDPSC Bin Capacity Chart

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PO Box 126  
Fessenden, ND  
County:

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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Carrington****Section: J**

J	001	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	002	Peaked	top of sidewall		16.000	0.000	0.000	25.00	2.00	0.00	27.000	1.000	28.0	161.6	5.80	4,787
J	003	Peaked	top of sidewall		15.500	0.000	0.000	30.00	2.00	0.00	32.000	0.900	32.9	151.7	5.50	5,266
J	004	Peaked	top of sidewall		15.500	0.000	0.000	30.00	2.00	0.00	32.000	0.900	32.9	151.7	5.50	5,266
J	005	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	006	Peaked	top of sidewall		15.500	0.000	0.000	30.00	3.70	0.00	33.700	0.900	34.6	151.7	5.50	5,538
J	007	Peaked	top of sidewall		16.000	0.000	0.000	25.00	2.00	0.00	27.000	1.000	28.0	161.6	5.80	4,787
J	008	Peaked	top of sidewall		16.000	0.000	0.000	25.00	2.00	0.00	27.000	1.000	28.0	161.6	5.80	4,787
J	009	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	010	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	011	Peaked	top of sidewall		15.500	0.000	0.000	30.00	2.50	0.00	32.500	0.900	33.4	151.7	5.50	5,346
J	012	Peaked	top of sidewall		15.500	0.000	0.000	30.00	2.50	0.00	32.500	0.900	33.4	151.7	5.50	5,346
J	013	Peaked	top of sidewall		15.500	0.000	0.000	30.00	2.50	0.00	32.500	0.900	33.4	151.7	5.50	5,346
J	014	Flat	grain wall ht. 11.0'		0.000	123.5	48.50	11.00	0.00	0.00	11.000	0.000	11.0	4814.9	10.0	58,260
J	015	Peaked	top of sidewall		48.000	0.000	0.000	33.00	0.00	0.00	33.000	3.400	36.4	1454.6	10.0	58,242
J	016	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	017	Peaked	top of sidewall		15.500	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	151.7	5.50	2,864
J	101	Square	top of bin		0.000	10.00	10.00	14.20	2.10	0.00	16.300	0.000	16.3	80.4	5.50	1,383
J	102	Square	work floor		0.000	10.00	10.00	14.30	2.10	0.00	16.400	0.000	16.4	80.4	5.50	1,392
J	103	Square	work floor		0.000	10.00	10.00	14.50	2.10	0.00	16.600	0.000	16.6	80.4	5.50	1,408
J	104	Square	work floor		0.000	10.00	10.00	14.70	2.10	0.00	16.800	0.000	16.8	80.4	5.50	1,425
J	105	Square	work floor		0.000	10.00	10.00	14.80	2.10	0.00	16.900	0.000	16.9	80.4	5.50	1,434

Client ID: 851

### NDPSC Bin Capacity Chart

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 Fessenden , ND  
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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.) Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: Carrington

### Section: J

J	106	Square	work floor		0.000	10.00	10.00	15.00	2.10	0.00	17.100	0.000	17.1	80.4	5.50	1,451
J	107	Square	work floor		0.000	10.00	10.00	15.20	2.10	0.00	17.300	0.000	17.3	80.4	5.50	1,468
J	108	Square	work floor		0.000	10.00	10.00	15.30	2.10	0.00	17.400	0.000	17.4	80.4	5.50	1,476
J	109	Square	work floor		0.000	10.00	10.00	15.50	2.10	0.00	17.600	0.000	17.6	80.4	5.50	1,493
J	110	Square	work floor		0.000	10.00	10.00	15.70	2.10	0.00	17.800	0.000	17.8	80.4	5.50	1,510
J	111	Square	work floor		0.000	10.00	10.00	15.80	2.10	0.00	17.900	0.000	17.9	80.4	5.50	1,518
J	112	Square	work floor		0.000	10.00	10.00	16.00	2.10	0.00	18.100	0.000	18.1	80.4	5.50	1,535
J	201	Square	work floor		0.000	10.00	5.000	10.70	1.50	0.00	12.200	0.000	12.2	40.2	3.00	505
J	202	Square	work floor		0.000	10.00	5.000	10.80	1.50	0.00	12.300	0.000	12.3	40.2	3.00	509
J	203	Square	work floor		0.000	10.00	5.000	11.00	1.50	0.00	12.500	0.000	12.5	40.2	3.00	518
J	204	Square	work floor		0.000	10.00	5.000	11.20	1.50	0.00	12.700	0.000	12.7	40.2	3.00	526
J	205	Square	work floor		0.000	10.00	5.000	11.30	1.50	0.00	12.800	0.000	12.8	40.2	3.00	530
J	206	Square	work floor		0.000	10.00	5.000	11.50	1.50	0.00	13.000	0.000	13.0	40.2	3.00	539
J	207	Square	work floor		0.000	10.00	5.000	11.70	1.50	0.00	13.200	0.000	13.2	40.2	3.00	547
J	208	Square	work floor		0.000	10.00	5.000	11.80	1.50	0.00	13.300	0.000	13.3	40.2	3.00	551
J	209	Square	work floor		0.000	10.00	5.000	12.00	1.50	0.00	13.500	0.000	13.5	40.2	3.00	559
J	210	Square	work floor		0.000	10.00	5.000	12.10	1.50	0.00	13.600	0.000	13.6	40.2	3.00	563
J	211	Square	work floor		0.000	10.00	5.000	12.30	1.50	0.00	13.800	0.000	13.8	40.2	3.00	572
J	212	Square	work floor		0.000	10.00	5.000	12.50	1.50	0.00	14.000	0.000	14.0	40.2	3.00	580

Bin count: 41

Facility: Carrington Section: J Total: 204,147

To Even: 205,000

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## NDPSC Bin Capacity Chart

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PO Box 126  
Fessenden , ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Carrington****Section: K**

K	401	Irregular	slab floor 9.9x9.7 less fillets		76.600	0.000	0.000	110.0	0.00	0.00	110.00	0.000	110.0	76.6	5.50	8,889
K	402	Irregular	slab floor 9.9x9.7 less fillets		76.600	0.000	0.000	110.0	0.00	0.00	110.00	0.000	110.0	76.6	5.50	8,889
K	403	Irregular	slab floor 10.9x9.1 less		79.100	0.000	0.000	109.5	0.00	0.00	109.50	0.000	109.5	79.1	5.50	9,137
K	404	Irregular	slab floor 9.1x10.9 less		79.100	0.000	0.000	109.5	0.00	0.00	109.50	0.000	109.5	79.1	5.50	9,137
K	405	Irregular	slab floor		46.900	0.000	0.000	138.0	0.00	0.00	138.00	0.000	138.0	46.9	4.00	6,731
K	406	Irregular	slab floor		46.900	0.000	0.000	138.0	0.00	0.00	138.00	0.000	138.0	46.9	4.00	6,731
K	407	Irregular	slab floor 10.9x9.1 less		79.100	0.000	0.000	109.5	0.00	0.00	109.50	0.000	109.5	79.1	5.50	9,137
K	408	Irregular	slab floor 9.1x10.9 less		79.100	0.000	0.000	109.5	0.00	0.00	109.50	0.000	109.5	79.1	5.50	9,137
K	409	Irregular	slab floor 9.9x9.7		76.600	0.000	0.000	110.0	0.00	0.00	110.00	0.000	110.0	76.6	5.50	8,889
K	410	Round	slab floor		30.000	0.000	0.000	128.5	0.00	0.00	128.50	0.000	128.5	568.2	9.00	79,585
K	411	Irregular	slab floor 9.9x9.7 less fillets		76.600	0.000	0.000	110.0	0.00	0.00	110.00	0.000	110.0	76.6	5.50	8,889
K	412	Irregular	slab floor		30.500	0.000	0.000	113.0	0.00	0.00	113.00	0.000	113.0	30.5	2.50	3,533
K	413	Irregular	slab floor		143.90	0.000	0.000	136.0	0.00	0.00	136.00	0.000	136.0	143.9	6.80	20,901
K	420	Round	slab floor		30.000	0.000	0.000	128.5	0.00	0.00	128.50	0.000	128.5	568.2	9.00	79,585
K	430	Round	slab floor		30.000	0.000	0.000	132.0	0.00	0.00	132.00	0.000	132.0	568.2	9.00	81,752
K	440	Round	slab floor		30.000	0.000	0.000	128.5	0.00	0.00	128.50	0.000	128.5	568.2	9.00	79,585
K	450	Round	slab floor		30.000	0.000	0.000	128.5	0.00	0.00	128.50	0.000	128.5	568.2	9.00	79,585
K	460	Round	slab floor		30.000	0.000	0.000	132.0	0.00	0.00	132.00	0.000	132.0	568.2	9.00	81,752
K	470	Round	slab floor		62.000	0.000	0.000	138.0	0.00	0.00	138.00	0.000	138.0	2426.9	10.0	368,403
K	480	Round	slab floor		62.000	0.000	0.000	138.0	0.00	0.00	138.00	0.000	138.0	2426.9	10.0	368,403
K	490	Peaked	top of sidewall		104.40	0.000	0.000	90.75	0.00	0.00	90.750	7.300	98.1	6881.3	10.0	742,562
K	500	Peaked	top of sidewall		104.40	0.000	0.000	104.0	0.00	0.00	104.00	7.300	111.3	6881.3	10.0	842,478

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### NDPSC Bin Capacity Chart

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PO Box 126  
Fessenden , ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.) Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Bin count: 22**

**Facility: Carrington Section: K Total: 2,913,690**

**To Even: 2,914,000**

## Section: K-G

K-G	ground		Temporary	500,000 bu. ground	28.000	318.0	149.0	0.200	0.00	0.00	0.200	11.70	11.9	38088.4	10.0	498,577
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**Bin count: 1**

**Facility: Carrington Section: K-G Total: 498,577**

**To Even: 499,000**

Client ID: 851

## NDPSC Bin Capacity Chart

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Fessenden Cooperative Association  
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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Esmond****Section: G**

G	001	Square	work floor		0.000	9.300	3.400	15.00	0.00	0.00	15.000	0.000	15.0	25.4	2.50	391
G	002	Square	work floor		0.000	5.000	3.400	29.00	0.00	0.00	29.000	0.000	29.0	13.7	2.00	405
G	003	Irregular	work floor		111.80	0.000	0.000	9.000	0.00	0.00	9.000	0.000	9.0	111.8	6.20	1,068
G	004	Square	work floor- flat bottom		0.000	10.10	9.300	48.00	0.00	0.00	48.000	0.000	48.0	75.5	5.50	3,823
G	005	Square	work floor - 8' hoper		0.000	10.00	9.300	44.30	0.00	0.00	44.300	0.000	44.3	74.8	5.50	3,496
G	006	Square	work floor		0.000	9.500	6.200	29.00	0.00	0.00	29.000	0.000	29.0	47.3	4.00	1,427
G	008	Square	work floor		0.000	10.10	9.500	48.00	0.00	0.00	48.000	0.000	48.0	77.1	5.50	3,905
G	009	Square	work floor		0.000	9.500	6.300	29.00	0.00	0.00	29.000	0.000	29.0	48.1	4.20	1,454
G	010	Square	work floor		0.000	10.10	9.300	45.00	0.00	0.00	45.000	0.000	45.0	75.5	5.50	3,585
G	011	Square	work floor - hoppr floor		0.000	10.00	9.500	44.30	0.00	0.00	44.300	0.000	44.3	76.4	5.50	3,571
G	012	Square	work floor		0.000	9.300	6.300	28.00	0.00	0.00	28.000	0.000	28.0	47.1	4.00	1,372
G	013	Square	work floor - hopped		0.000	10.00	9.300	44.30	0.00	0.00	44.300	0.000	44.3	74.8	5.50	3,496
G	015	Square	work floor		0.000	9.300	6.200	28.00	0.00	0.00	28.000	0.000	28.0	46.4	4.00	1,351
G	102 T	Irregular	work floor 9.3x4.8		35.900	0.000	0.000	15.00	0.00	0.00	15.000	0.000	15.0	35.9	3.00	555
G	102 B	Irregular	work floor - top 15'		35.900	0.000	0.000	14.00	0.00	0.00	14.000	0.000	14.0	35.9	3.00	518
G	104	Square	work floor		0.000	11.10	9.300	45.00	0.00	0.00	45.000	0.000	45.0	83.0	5.50	3,940
G	105	Square	work floor		0.000	11.00	9.300	45.00	0.00	0.00	45.000	0.000	45.0	82.2	5.50	3,902
G	106	Square	work floor		0.000	9.500	4.800	28.00	0.00	0.00	28.000	0.000	28.0	36.7	3.00	1,059
G	108	Square	work floor		0.000	11.10	9.500	45.00	0.00	0.00	45.000	0.000	45.0	84.8	5.80	4,037
G	109	Square	work floor		0.000	9.500	5.700	28.00	0.00	0.00	28.000	0.000	28.0	43.5	3.50	1,261
G	110	Square	work floor		0.000	11.10	9.300	45.00	0.00	0.00	45.000	0.000	45.0	83.0	5.50	3,940
G	111	Square	work floor		0.000	11.00	9.500	45.00	0.00	0.00	45.000	0.000	45.0	84.0	5.80	3,999

### NDPSC Bin Capacity Chart

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 PO Box 126  
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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: Esmond

### Section: G

G	112	Square	work floor		0.000	9.300	5.700	27.00	0.00	0.00	27.000	0.000	27.0	42.6	3.50	1,190
G	113	Square	work floor		0.000	11.00	9.300	45.00	0.00	0.00	45.000	0.000	45.0	82.2	5.50	3,902
G	115	Square	work floor		0.000	9.300	4.800	27.00	0.00	0.00	27.000	0.000	27.0	35.9	3.00	998
G	201 T	Square	top of cribbing		0.000	14.00	13.20	41.00	0.00	0.00	41.000	0.000	41.0	148.6	6.80	6,507
G	201 B	Square	top of cribbing - top 41'		0.000	13.20	13.10	10.00	0.00	0.00	10.000	0.000	10.0	139.0	6.50	1,480
G	202 T	Square	top of cribbing -		0.000	14.00	13.10	41.00	0.00	0.00	41.000	0.000	41.0	147.4	6.80	6,454
G	202 B	Square	top of cribbing - top 41'		0.000	13.10	13.10	10.00	0.00	0.00	10.000	0.000	10.0	138.0	6.50	1,470
G	203 T	Square	top of cribbing -		0.000	14.00	13.10	41.00	0.00	0.00	41.000	0.000	41.0	147.4	6.80	6,454
G	203 B	Square	top of cribbing - top 41'		0.000	13.10	13.10	10.00	0.00	0.00	10.000	0.000	10.0	138.0	6.50	1,470
G	205 T	Square	top of cribbing -		0.000	14.20	13.10	41.00	0.00	0.00	41.000	0.000	41.0	149.5	6.80	6,547
G	205 B	Square	top of cribbing - top 41'		0.000	13.10	12.10	10.00	0.00	0.00	10.000	0.000	10.0	127.4	6.50	1,357
G	206 T	Square	top of cribbing -		0.000	14.20	13.10	41.00	0.00	0.00	41.000	0.000	41.0	149.5	6.80	6,547
G	206 B	Square	top of cribbing - top 41'		0.000	13.10	12.10	10.00	0.00	0.00	10.000	0.000	10.0	127.4	6.50	1,357
G	207 T	Square	top of cribbing -		0.000	14.20	13.20	41.00	0.00	0.00	41.000	0.000	41.0	150.7	6.80	6,599
G	207 B	Square	top of cribbing - top 41'		0.000	13.20	12.10	10.00	0.00	0.00	10.000	0.000	10.0	128.4	6.50	1,367
G	301	Peaked	top of sidewall		15.000	0.000	0.000	43.90	0.00	0.00	43.900	0.900	44.8	142.1	5.50	6,716
G	302	Peaked	top of sidewall		24.000	0.000	0.000	54.00	0.00	0.00	54.000	1.400	55.4	363.7	7.80	21,721
G	303	Peaked	top of sidewall		24.000	0.000	0.000	54.00	0.00	0.00	54.000	1.400	55.4	363.7	7.80	21,721
G	304	Peaked	top of sidewall		24.000	0.000	0.000	39.00	0.00	0.00	39.000	1.400	40.4	363.7	7.80	15,839
G	305	Peaked	top of sidewall		15.000	0.000	0.000	15.00	2.00	0.00	17.000	0.900	17.9	142.1	5.50	2,684
G	306	Peaked	top of sidewall		41.800	0.000	0.000	82.80	0.00	0.00	82.800	2.500	85.3	1103.1	10.0	103,503
G	307	Peaked	top of sidewall		41.800	0.000	0.000	82.80	0.00	0.00	82.800	2.500	85.3	1103.1	10.0	103,503

Client ID: 851

### NDPSC Bin Capacity Chart

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Exam Date:11/10/2014

Fessenden Cooperative Association  
 PO Box 126  
 Fessenden , ND  
 County:

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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).		Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
					Length	Width									

## Facility: Esmond

### Section: G

G	308	Peaked	top of sidewall		41.800	0.000	0.000	82.80	0.00	0.00	82.800	2.500	85.3	1103.1	10.0	103,503
G	401	Peaked	top of sidewall need more		13.600	0.000	0.000	13.60	2.00	0.00	15.600	0.800	16.4	116.8	5.20	2,016
G	402	Peaked	top of sidewall need more		13.600	0.000	0.000	13.60	2.00	0.00	15.600	0.800	16.4	116.8	5.20	2,016
G	403	Peaked	top of sidewall need more		13.600	0.000	0.000	13.60	2.00	0.00	15.600	0.800	16.4	116.8	5.20	2,016
G	404	Peaked	top of sidewall need more		16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
G	405	Peaked	top of sidewall need more		16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
G	406	Peaked	top of sidewall need more		16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
G	407	Peaked	top of sidewall need more		16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
G	408	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	409	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	410	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	411	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	412	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	413	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	414	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	415	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	416	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	417	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	418	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
G	419	Peaked	top of sidewall need more		16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933

Bin count: 64

Facility: Esmond Section: G Total: 551,000

To Even: 551,000

Client ID: 851

## NDPSC Bin Capacity Chart

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Fessenden Cooperative Association  
PO Box 126  
Fessenden , ND  
County:

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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Fessenden****Section: 1A**

1A	001	Peaked	top of sidewall		16.000	0.000	0.000	17.00	2.70	0.00	19.700	1.000	20.7	161.6	5.80	3,539
1A	002	Peaked	top of sidewall		16.000	0.000	0.000	17.00	2.70	0.00	19.700	1.000	20.7	161.6	5.80	3,539
1A	003	Peaked	top of sidewall		16.000	0.000	0.000	17.00	2.70	0.00	19.700	1.000	20.7	161.6	5.80	3,539
1A	004	Peaked	top of sidewall		49.500	0.000	0.000	34.50	0.00	0.00	34.500	3.500	38.0	1547.0	10.0	64,665
1A	005	Peaked	top of sidewall		49.500	0.000	0.000	34.50	0.00	0.00	34.500	3.500	38.0	1547.0	10.0	64,665
1A	006	Flat	bulk storage		0.000	200.0	60.00	20.80	0.00	0.00	20.800	0.000	20.8	9646.3	10.0	220,707
1A	007	Flat	bag storage		0.000	60.00	30.00	3.200	0.00	0.00	3.200	0.000	3.2	1446.9	10.0	5,093
1A	008	Peaked	top of sidewall		53.800	0.000	0.000	35.50	0.00	0.00	35.500	3.800	39.3	1827.4	10.0	78,999
1A	009	Peaked	top of sidewall		53.800	0.000	0.000	35.50	0.00	0.00	35.500	3.800	39.3	1827.4	10.0	78,999
1A	101A	Square	top of sidewall		0.000	12.00	9.000	12.00	1.70	0.00	13.700	0.000	13.7	86.8	5.80	1,258
1A	102 A	Square	top of sidewall		0.000	12.00	9.000	12.00	1.70	0.00	13.700	0.000	13.7	86.8	5.80	1,258
1A	103 A	Square	top of sidewall		0.000	12.00	9.000	12.00	1.70	0.00	13.700	0.000	13.7	86.8	5.80	1,258
1A	201	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	202	Peaked			16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
1A	203	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	204	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	205	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	206	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	207	Peaked			16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
1A	208	Peaked			16.000	0.000	0.000	15.00	2.00	0.00	17.000	1.000	18.0	161.6	5.80	3,078
1A	209	Peaked			16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933
1A	210	Peaked			16.000	0.000	0.000	20.00	2.00	0.00	22.000	1.000	23.0	161.6	5.80	3,933

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## NDPSC Bin Capacity Chart

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Fessenden Cooperative Association

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PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack	
<b>Bin count:</b>		<b>22</b>														<b>Facility: Fessenden Section: 1A Total:</b>	<b>561,719</b>
															<b>To Even:</b>	<b>562,000</b>	

**Section: 1B**

1B	001	Flat	west bulk warehouse	0.000	120.0	60.00	7.000	0.00	0.00	7.000	0.000	7.0	5787.8	10.0	44,567		
1B	002	Quonset	west bulk quonset	0.000	124.0	68.00	12.00	0.00	0.00	12.000	0.000	12.0	6634.6	10.0	87,578		
<b>Bin count:</b>		<b>2</b>														<b>Facility: Fessenden Section: 1B Total:</b>	<b>132,145</b>
															<b>To Even:</b>	<b>133,000</b>	

**Section: A**

A	001	Round	work floor	26.000	0.000	0.000	121.5	0.00	0.00	121.50	0.000	121.5	426.8	8.20	56,108
A	002	Round	work floor	26.000	0.000	0.000	121.5	0.00	0.00	121.50	0.000	121.5	426.8	8.20	56,108
A	003	Round	work floor	26.000	0.000	0.000	121.5	0.00	0.00	121.50	0.000	121.5	426.8	8.20	56,108
A	004	Round	work floor	26.000	0.000	0.000	121.5	0.00	0.00	121.50	0.000	121.5	426.8	8.20	56,108
A	005	Irregular	work floor	62.100	0.000	0.000	57.00	0.00	0.00	57.000	0.000	57.0	62.1	5.00	3,717
A	006 T	Irregular	work floor	59.400	0.000	0.000	15.50	0.00	0.00	15.500	0.000	15.5	59.4	4.80	965
A	006 B	Irregular	work floor - top 15.5'	59.400	0.000	0.000	35.00	0.00	0.00	35.000	0.000	35.0	59.4	4.80	2,179
A	006A T	Irregular	work floor	62.400	0.000	0.000	15.50	0.00	0.00	15.500	0.000	15.5	62.4	5.00	1,015
A	006A B	Irregular	work floor - top 15.5'	62.400	0.000	0.000	35.00	0.00	0.00	35.000	0.000	35.0	62.4	5.00	2,293
A	007	Irregular	work floor	28.800	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	28.8	2.50	2,848
A	008	Irregular	work floor	28.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	28.9	2.50	2,859
A	009	Irregular	work floor	77.000	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	77.0	5.50	7,840
A	010	Irregular	work floor	76.000	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	76.0	5.50	7,737
A	011	Irregular	work floor	76.900	0.000	0.000	97.00	0.00	0.00	97.000	0.000	97.0	76.9	5.50	7,869
A	012	Irregular	work floor	76.400	0.000	0.000	97.00	0.00	0.00	97.000	0.000	97.0	76.4	5.50	7,819
A	013	Irregular	work floor	37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767

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## NDPSC Bin Capacity Chart

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Fessenden Cooperative Association

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PO Box 126  
Fessenden , ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Fessenden****Section: A**

A	014	Irregular	work floor		37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767
A	015	Irregular	work floor		37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767
A	016	Irregular	work floor		37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767
A	017	Irregular	work floor		37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767
A	018	Irregular	work floor		37.900	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	37.9	3.00	3,767
A	019	Irregular	work floor		37.900	0.000	0.000	96.30	0.00	0.00	96.300	0.000	96.3	37.9	3.00	3,760
A	020	Irregular	work floor		37.900	0.000	0.000	96.30	0.00	0.00	96.300	0.000	96.3	37.9	3.00	3,760
A	021	Irregular	work floor		37.900	0.000	0.000	96.30	0.00	0.00	96.300	0.000	96.3	37.9	3.00	3,760
A	022	Irregular	work floor		75.400	0.000	0.000	97.00	0.00	0.00	97.000	0.000	97.0	75.4	5.50	7,716
A	023	Irregular	work floor		74.800	0.000	0.000	97.00	0.00	0.00	97.000	0.000	97.0	74.8	5.50	7,655
A	024	Irregular	work floor		76.500	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	76.5	5.50	7,788
A	025	Irregular	work floor		76.300	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	76.3	5.50	7,768
A	026	Irregular	work floor		54.800	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	54.8	4.50	5,526
A	027	Irregular	work floor		53.100	0.000	0.000	96.50	0.00	0.00	96.500	0.000	96.5	53.1	4.50	5,355
A	028	Irregular	work floor		50.000	0.000	0.000	100.5	0.00	0.00	100.50	0.000	100.5	50.0	4.20	5,236
A	029	Irregular	work floor		27.100	0.000	0.000	100.5	0.00	0.00	100.50	0.000	100.5	27.1	2.50	2,792
A	030	Irregular	work floor		25.500	0.000	0.000	100.5	0.00	0.00	100.50	0.000	100.5	25.5	2.50	2,627
A	031	Irregular	work floor		58.400	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	58.4	4.80	5,386
A	032	Irregular	work floor		56.800	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	56.8	4.80	5,238
A	033	Irregular	work floor		58.400	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	58.4	4.80	5,386
A	034	Irregular	work floor		57.900	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	57.9	4.80	5,340
A	035	Irregular	work floor		57.900	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	57.9	4.80	5,340

## NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden , ND  
County:

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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Fessenden****Section: A**

A	036		Irregular	work floor	57.900	0.000	0.000	88.00	0.00	0.00	88.000	0.000	88.0	57.9	4.80	5,340
A	037		Peaked	top of sidewall	42.000	0.000	0.000	64.00	0.00	0.00	64.000	2.500	66.5	1113.7	10.0	81,467
A	038		Peaked	top of sidewall	35.900	0.000	0.000	58.60	0.00	0.00	58.600	2.200	60.8	813.7	10.0	54,420
A	039		Peaked	top of sidewall	29.900	0.000	0.000	58.60	0.00	0.00	58.600	1.800	60.4	564.4	9.00	37,158
A	101A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	102A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	103A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	104A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	105A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	106A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	107A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	108A		Round	TOP OF SLAB	34.000	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	729.8	9.80	110,182
A	109A		Interstice	TOP OF SLAB	32.400	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	181.1	5.80	26,345
A	110A		Interstice	TOP OF SLAB	32.400	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	181.1	5.80	26,345
A	111A		Interstice	TOP OF SLAB	32.400	8.487	8.487	137.5	0.00	0.00	137.50	0.000	137.5	181.1	5.80	26,345
A	202		Square	work floor	0.000	6.600	5.200	44.00	0.00	0.00	44.000	0.000	44.0	27.6	2.50	1,244
A	203		Square	work floor	0.000	4.600	4.300	45.00	0.00	0.00	45.000	0.000	45.0	15.9	2.00	730
A	204		Square	work floor	0.000	4.600	4.300	47.00	0.00	0.00	47.000	0.000	47.0	15.9	2.00	762
A	205 A		Square	work floor part of 205	0.000	5.600	4.000	23.00	0.00	0.00	23.000	0.000	23.0	18.0	2.00	422
A	205 T		Square	work floor	0.000	4.000	2.300	23.00	0.00	0.00	23.000	0.000	23.0	7.4	2.00	173
A	205 B		Square	work floor - top 23'	0.000	8.000	4.000	17.00	0.00	0.00	17.000	0.000	17.0	25.7	2.50	448
A	206		Square	work floor -	0.000	7.000	5.200	45.00	0.00	0.00	45.000	0.000	45.0	29.3	2.50	1,352

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Fessenden Cooperative Association

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PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: Fessenden

### Section: A

A	207 T	Square	work floor		0.000	9.400	4.100	45.00	0.00	0.00	45.000	0.000	45.0	31.0	2.50	1,430
A	207 B	Square	work floor - top 45'		0.000	9.300	8.100	16.00	0.00	0.00	16.000	0.000	16.0	60.6	4.80	1,017
A	208	Square	work floor		0.000	12.00	9.300	46.00	0.00	0.00	46.000	0.000	46.0	89.7	5.80	4,365
A	209	Square	work floor		0.000	7.000	6.000	45.00	0.00	0.00	45.000	0.000	45.0	33.8	2.50	1,559
A	210	Square	work floor		0.000	9.300	8.100	61.00	0.00	0.00	61.000	0.000	61.0	60.6	4.80	3,874
A	211 T	Square	work floor		0.000	4.500	4.200	12.00	0.00	0.00	12.000	0.000	12.0	15.2	2.00	186
A	211 B	Square	work floor - top 12'		0.000	8.400	7.000	25.00	0.00	0.00	25.000	0.000	25.0	47.3	4.00	1,230
A	212 T	Square	work floor		0.000	4.600	3.400	12.00	0.00	0.00	12.000	0.000	12.0	12.6	2.00	154
A	212 B	Square	work floor - top 12'		0.000	8.400	6.600	25.00	0.00	0.00	25.000	0.000	25.0	44.6	3.50	1,154
A	213	Square	work floor		0.000	9.100	8.400	61.00	0.00	0.00	61.000	0.000	61.0	61.4	4.80	3,925
A	214	Square	work floor		0.000	6.600	6.000	44.00	0.00	0.00	44.000	0.000	44.0	31.8	2.50	1,434
A	215	Square	work floor		0.000	11.20	9.100	46.00	0.00	0.00	46.000	0.000	46.0	81.9	5.50	3,974
A	216 T	Square	work floor		0.000	9.100	4.100	45.00	0.00	0.00	45.000	0.000	45.0	30.0	2.50	1,384
A	216 B	Square	work floor - top 45'		0.000	9.100	8.600	16.00	0.00	0.00	16.000	0.000	16.0	62.9	5.00	1,056
A	217	Square	work floor		0.000	4.300	4.300	41.00	0.00	0.00	41.000	0.000	41.0	14.9	2.00	623
A	218	Square	work floor		0.000	4.300	4.300	41.00	0.00	0.00	41.000	0.000	41.0	14.9	2.00	623
A	220 T	Square	work floor		0.000	14.30	9.600	54.00	0.00	0.00	54.000	0.000	54.0	110.4	6.20	6,332
A	220 B	Square	work floor - top 54'		0.000	12.00	9.600	7.000	0.00	0.00	7.000	0.000	7.0	92.6	5.80	686
A	221 T	Square	work floor		0.000	14.30	9.600	54.00	0.00	0.00	54.000	0.000	54.0	110.4	6.20	6,332
A	221 B	Square	work floor - top 54'		0.000	12.00	9.600	7.000	0.00	0.00	7.000	0.000	7.0	92.6	5.80	686
A	222 T	Square	work floor		0.000	14.30	9.600	54.00	0.00	0.00	54.000	0.000	54.0	110.4	6.20	6,332
A	222 B	Square	work floor - top 54'		0.000	12.00	9.600	7.000	0.00	0.00	7.000	0.000	7.0	92.6	5.80	686

### NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association  
 PO Box 126  
 Fessenden , ND  
 County:

Examiner: 2

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: Fessenden

### Section: A

A	223 T	Square	work floor		0.000	14.30	9.400	31.00	0.00	0.00	31.000	0.000	31.0	108.1	6.20	3,559
A	223 M	Square	work floor - top 31' blind bin		0.000	14.30	9.400	23.00	0.00	0.00	23.000	0.000	23.0	108.1	6.20	2,640
A	223B	Square	work floor - top & mddle 54'		0.000	12.00	9.400	7.000	0.00	0.00	7.000	0.000	7.0	90.7	5.80	672
A	224 T	Square	work floor		0.000	14.30	9.600	54.00	0.00	0.00	54.000	0.000	54.0	110.4	6.20	6,332
A	224 B	Square	work floor - top 54'		0.000	12.00	9.600	7.000	0.00	0.00	7.000	0.000	7.0	92.6	5.80	686
A	225 T	Square	work floor		0.000	14.30	9.400	54.00	0.00	0.00	54.000	0.000	54.0	108.1	6.20	6,199
A	225 B	Square	work floor - top 54'		0.000	12.00	9.400	7.000	0.00	0.00	7.000	0.000	7.0	90.7	5.80	672
A	301 T	Square	work floor		0.000	11.50	11.50	39.00	0.00	0.00	39.000	0.000	39.0	106.3	6.20	4,403
A	301 B	Square	work floor - top 39'		0.000	11.50	9.000	3.000	0.00	0.00	3.000	0.000	3.0	83.2	5.80	265
A	302 T	Square	work floor		0.000	11.50	11.50	39.00	0.00	0.00	39.000	0.000	39.0	106.3	6.20	4,403
A	302 B	Square	work floor - top 39'		0.000	11.50	8.700	3.000	0.00	0.00	3.000	0.000	3.0	80.4	5.50	254
A	303 T	Square	work floor		0.000	11.50	11.50	39.00	0.00	0.00	39.000	0.000	39.0	106.3	6.20	4,403
A	303 B	Square	work floor - top 39'		0.000	11.50	9.000	3.000	0.00	0.00	3.000	0.000	3.0	83.2	5.80	265
A	304 T	Square	work floor		0.000	11.50	11.50	39.00	0.00	0.00	39.000	0.000	39.0	106.3	6.20	4,403
A	304 B	Square	work floor - top 39'		0.000	11.50	8.700	3.000	0.00	0.00	3.000	0.000	3.0	80.4	5.50	254
A	305 T	Square	work floor		0.000	11.50	11.40	39.00	0.00	0.00	39.000	0.000	39.0	105.4	6.20	4,366
A	305 B	Square	work floor - top 39'		0.000	11.40	8.700	3.000	0.00	0.00	3.000	0.000	3.0	79.7	5.50	252
A	306 T	Square	work floor		0.000	11.50	11.40	39.00	0.00	0.00	39.000	0.000	39.0	105.4	6.20	4,366
A	306 B	Square	work floor - top 39'		0.000	11.40	8.700	3.000	0.00	0.00	3.000	0.000	3.0	79.7	5.50	252

Bin count: 101

Facility: Fessenden Section: A Total: **1,626,303**

To Even: **1,627,000**

## NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden, ND  
County:

Page: 14

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Hamberg****Section: D**

D	001	Irregular	top of slab - rectangle- bulk	255.63	17.83	17.83	38.00	3.00	0.50	40.500	0.000	40.5	255.6	7.00	11,078
D	002	Irregular	top of slab- rectangular	71.210	9.412	9.412	88.50	1.60	0.50	89.600	0.000	89.6	71.2	5.20	6,712
D	003	Irregular	top of slab- rectangular	71.210	9.412	9.412	88.50	1.60	0.50	89.600	0.000	89.6	71.2	5.20	6,712
D	004	Irregular	top of slab- rectangular	147.65	13.55	13.55	88.50	2.70	0.50	90.700	0.000	90.7	147.6	6.80	14,303
D	005	Irregular	top of slab- rectangular	169.08	14.50	14.50	80.50	2.60	0.50	82.600	0.000	82.6	169.0	7.00	14,944
D	006	Irregular	top of slab- rectangular	169.08	14.50	14.50	80.50	2.60	0.50	82.600	0.000	82.6	169.0	7.00	14,944
D	007	Irregular	top of slab- rectangular	96.980	10.98	10.98	80.00	2.30	0.50	81.800	0.000	81.8	96.9	6.00	8,409
D	008	Irregular	top of slab - retangular	169.08	14.50	14.50	80.50	2.60	0.50	82.600	0.000	82.6	169.0	7.00	14,944
D	009	Irregular	top of slab- rectangular	169.08	14.50	14.50	80.50	2.60	0.50	82.600	0.000	82.6	169.0	7.00	14,944
D	010	Irregular	top of slab - 1/2 stice	93.250	10.77	10.77	140.5	0.00	4.50	136.00	0.000	136.0	93.2	5.80	13,418
D	011	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	012	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	013	Irregular	top of slab - interstice	206.35	16.02	16.02	140.5	0.00	6.50	134.00	0.000	134.0	206.3	7.00	29,587
D	014	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	015	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	016	Irregular	top of slab - interstice	206.35	16.02	16.02	140.5	0.00	6.50	134.00	0.000	134.0	206.3	7.00	29,587
D	017	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	018	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	019	Irregular	top of slab - interstice	206.35	16.02	16.02	140.5	0.00	6.50	134.00	0.000	134.0	206.3	7.00	29,587
D	020	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	021	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
D	022	Irregular	top of slab - interstice	206.35	16.02	16.02	140.5	0.00	6.50	134.00	0.000	134.0	206.3	7.00	29,587

### NDPSC Bin Capacity Chart

Exam Date: 11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden, ND  
County:

Examiner: 2

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)		Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
					Length	Width									

## Facility: Hamberg

### Section: D

	D	023	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
	D	024	Round	top of slab	36.000	0.000	0.000	140.5	0.00	4.37	136.13	0.000	136.1	818.2	10.0	122,493
Added	D	025	Round	top of slab	76.000	0.000	0.000	140.5	0.00	3.72	136.78	0.000	136.8	3646.7	10.0	548,756
Added	D	026	Round	top of slab	76.000	0.000	0.000	140.5	0.00	3.72	136.78	0.000	136.8	3646.7	10.0	548,756

**Bin count: 26**

**Facility: Hamberg Section: D Total: 2,561,198**

To Even: 2,562,000

### Section: I

	I	004	Square	work floor	0.000	6.500	2.000	46.00	0.00	0.00	46.000	0.000	46.0	10.5	2.00	493
	I	005	Square	work floor	0.000	10.50	6.500	44.50	0.00	0.00	44.500	0.000	44.5	54.9	4.50	2,553
	I	006	Square	work floor	0.000	11.50	6.000	47.00	0.00	0.00	47.000	0.000	47.0	55.5	4.80	2,734
	I	007	Square	work floor	0.000	10.50	6.500	46.00	0.00	0.00	46.000	0.000	46.0	54.9	4.50	2,639
	I	008	Square		0.000	12.00	10.50	64.00	0.00	0.00	64.000	0.000	64.0	101.3	6.00	6,872
	I	009	Square	work floor	0.000	12.00	10.50	64.00	0.00	0.00	64.000	0.000	64.0	101.3	6.00	6,872
	I	010	Square	work floor	0.000	12.00	10.50	65.00	0.00	0.00	65.000	0.000	65.0	101.3	6.00	6,980
	I	011	Square	work floor	0.000	12.00	10.50	64.00	0.00	0.00	64.000	0.000	64.0	101.3	6.00	6,872
	I	012	Square	work floor	0.000	12.00	11.50	65.00	0.00	0.00	65.000	0.000	65.0	110.9	6.20	7,656
	I	013 T	Square	work floor	0.000	5.500	5.500	17.00	0.00	0.00	17.000	0.000	17.0	24.3	2.50	423
	I	013 B	Square	work floor - top 17'	0.000	11.50	5.500	30.00	0.00	0.00	30.000	0.000	30.0	50.8	4.50	1,593
	I	013A	Square	work floor	0.000	5.500	5.500	17.00	0.00	0.00	17.000	0.000	17.0	24.3	2.50	423
	I	014 T	Square	work floor	0.000	4.300	4.000	25.00	0.00	0.00	25.000	0.000	25.0	13.8	2.00	352
	I	014 B	Square	work floor - top 25'	0.000	10.50	4.000	20.00	0.00	0.00	20.000	0.000	20.0	33.8	2.50	693

Client ID: 851

## NDPSC Bin Capacity Chart

02/17/2015 08:32:25 AM

Exam Date:11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden , ND  
County:

Page: 16

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Hamberg****Section: I**

I		016	Square	work floor	0.000	5.000	2.500	45.00	0.00	0.00	45.000	0.000	45.0	10.0	2.00	459
I		017	Square	work floor	0.000	6.500	5.500	47.50	0.00	0.00	47.500	0.000	47.5	28.7	2.50	1,397
I		018	Square	work floor	0.000	6.500	5.500	47.50	0.00	0.00	47.500	0.000	47.5	28.7	2.50	1,397
I		019	Square	work floor	0.000	6.500	5.500	47.00	0.00	0.00	47.000	0.000	47.0	28.7	2.50	1,383
I		020	Square	work floor	0.000	6.500	5.500	47.00	0.00	0.00	47.000	0.000	47.0	28.7	2.50	1,383
I		021	Square	work floor	0.000	5.500	3.500	25.00	0.00	0.00	25.000	0.000	25.0	15.5	2.00	396
I		102	Square	work floor	0.000	9.000	7.500	38.00	0.00	0.00	38.000	0.000	38.0	54.3	4.50	2,156
I		103	Square	work floor	0.000	11.00	7.500	29.00	0.00	0.00	29.000	0.000	29.0	66.3	5.00	2,019
I		104	Irregular	work floor 11X7.5 ??	63.200	0.000	0.000	29.00	0.00	0.00	29.000	0.000	29.0	63.2	5.00	1,925
I		105 T	Square	work floor	0.000	7.500	5.000	8.000	0.00	0.00	8.000	0.000	8.0	30.1	2.50	247
I		105 B	Square	work floor - top 8'	0.000	9.000	7.500	31.00	0.00	0.00	31.000	0.000	31.0	54.3	4.50	1,759
I		106	Square	work floor	0.000	9.000	7.500	39.00	0.00	0.00	39.000	0.000	39.0	54.3	4.50	2,213
I		108	Square	work floor	0.000	9.000	7.500	38.50	0.00	0.00	38.500	0.000	38.5	54.3	4.50	2,185
I		109	Square	work floor	0.000	11.00	7.500	25.00	0.00	0.00	25.000	0.000	25.0	66.3	5.00	1,741
I		110	Square	work floor	0.000	7.500	4.000	8.000	0.00	0.00	8.000	0.000	8.0	24.1	2.50	198
I		111	Square	work floor	0.000	9.000	7.500	38.50	0.00	0.00	38.500	0.000	38.5	54.3	4.50	2,185
I		112	Square	work floor	0.000	9.000	7.500	39.00	0.00	0.00	39.000	0.000	39.0	54.3	4.50	2,213
I		201 T	Square	work floor	0.000	11.50	10.00	34.00	0.00	0.00	34.000	0.000	34.0	92.4	5.80	3,324
I		201 B	Square	work floor - top 34'	0.000	10.00	9.500	6.000	0.00	0.00	6.000	0.000	6.0	76.4	5.50	483
I		202 T	Square	work floor	0.000	11.50	10.50	34.00	0.00	0.00	34.000	0.000	34.0	97.1	6.00	3,499
I		202 B	Square	work floor - top 34'	0.000	10.50	9.500	6.000	0.00	0.00	6.000	0.000	6.0	80.2	5.50	507
I		203 T	Square	work floor	0.000	11.50	10.00	34.00	0.00	0.00	34.000	0.000	34.0	92.4	5.80	3,324

Client ID: 851

## NDPSC Bin Capacity Chart

02/17/2015 08:32:25 AM

Exam Date:11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden , ND  
County:

Page: 17

Examiner: 2

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Hamberg****Section: I**

I	203 B	Square	work floor - top 34'		0.000	10.00	9.500	6.000	0.00	0.00	6.000	0.000	6.0	76.4	5.50	483
I	204 T	Square	work floor		0.000	11.50	10.00	34.00	0.00	0.00	34.000	0.000	34.0	92.4	5.80	3,324
I	204 B	Square	work floor - top 34'		0.000	10.00	9.500	6.000	0.00	0.00	6.000	0.000	6.0	76.4	5.50	483
I	205 T	Square	work floor		0.000	11.50	10.50	34.00	0.00	0.00	34.000	0.000	34.0	97.1	6.00	3,499
I	205 B	Square	work floor - top 34'		0.000	10.50	9.500	6.000	0.00	0.00	6.000	0.000	6.0	80.2	5.50	507
I	206 T	Square	work floor		0.000	11.50	10.00	34.00	0.00	0.00	34.000	0.000	34.0	92.4	5.80	3,324
I	206 B	Square	work floor - top 34'		0.000	10.00	9.500	6.000	0.00	0.00	6.000	0.000	6.0	76.4	5.50	483
I	301	Peaked	top of sidewall		35.900	0.000	0.000	23.00	0.00	0.00	23.000	2.200	25.2	813.7	10.0	22,556
I	302	Peaked	top of sidewall		35.900	0.000	0.000	23.00	0.00	0.00	23.000	2.200	25.2	813.7	10.0	22,556
I	303	Peaked	top of sidewall		35.900	0.000	0.000	23.00	0.00	0.00	23.000	2.200	25.2	813.7	10.0	22,556
I	304	Peaked	top of sidewall		13.500	0.000	0.000	12.00	2.00	0.00	14.000	0.800	14.8	115.1	5.20	1,792
I	305	Peaked	top of sidewall		13.500	0.000	0.000	12.00	2.00	0.00	14.000	0.800	14.8	115.1	5.20	1,792

Bin count: 48

Facility: Hamberg Section: I Total: 166,903

To Even: 167,000

**Section: I-G**

I-G	ground	Temporary	50,000 bu. ground		11.000	160.0	60.00	1.000	0.00	0.00	1.000	4.800	5.8	7717.0	10.0	49,235
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Bin count: 1

Facility: Hamberg Section: I-G Total: 49,235

To Even: 50,000

## NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association

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Examiner: 2

PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Heimdal****Section: C**

C	001 T	Square	work floor		0.000	5.300	4.200	20.00	0.00	0.00	20.000	0.000	20.0	17.9	2.00	365
C	001 B	Square	work floor - top 20'		0.000	10.80	4.200	26.00	0.00	0.00	26.000	0.000	26.0	36.5	3.00	977
C	002	Square	work floor		0.000	7.000	4.400	45.00	0.00	0.00	45.000	0.000	45.0	24.8	2.50	1,144
C	003	Square	work floor		0.000	10.80	4.100	46.00	0.00	0.00	46.000	0.000	46.0	35.6	3.00	1,687
C	004	Square	work floor		0.000	11.40	9.000	63.00	0.00	0.00	63.000	0.000	63.0	82.5	5.50	5,484
C	005	Square	work floor		0.000	11.40	5.900	46.00	0.00	0.00	46.000	0.000	46.0	54.1	4.50	2,601
C	008	Square	work floor		0.000	7.000	5.800	45.00	0.00	0.00	45.000	0.000	45.0	32.6	2.50	1,504
C	009	Square	work floor		0.000	11.40	5.800	46.00	0.00	0.00	46.000	0.000	46.0	53.2	4.50	2,557
C	010	Square	work floor		0.000	11.40	8.900	64.00	0.00	0.00	64.000	0.000	64.0	81.6	5.50	5,509
C	011	Square	work floor		0.000	8.900	7.000	45.00	0.00	0.00	45.000	0.000	45.0	50.1	4.50	2,356
C	013	Square	work floor		0.000	7.000	5.800	45.00	0.00	0.00	45.000	0.000	45.0	32.6	2.50	1,504
C	014 T	Irregular	work floor 8.9 x 7 less		16.300	0.000	0.000	15.00	0.00	0.00	15.000	0.000	15.0	16.3	2.00	250
C	014 B	Square	work floor - top 15'		0.000	8.900	7.000	30.00	0.00	0.00	30.000	0.000	30.0	50.1	4.50	1,571
C	015	Square	work floor		0.000	11.40	8.900	64.00	0.00	0.00	64.000	0.000	64.0	81.6	5.50	5,509
C	016	Square	work floor		0.000	11.40	5.800	46.00	0.00	0.00	46.000	0.000	46.0	53.2	4.50	2,557
C	017	Square	work floor		0.000	11.40	5.900	46.00	0.00	0.00	46.000	0.000	46.0	54.1	4.50	2,601
C	018	Square	work floor		0.000	7.000	4.400	45.00	0.00	0.00	45.000	0.000	45.0	24.8	2.50	1,144
C	020	Square	work floor		0.000	5.300	4.200	20.00	0.00	0.00	20.000	0.000	20.0	17.9	2.00	365
C	022	Square	work floor		0.000	11.40	9.000	63.00	0.00	0.00	63.000	0.000	63.0	82.5	5.50	5,484
C	101	Square	work floor		0.000	5.000	3.600	36.00	0.00	0.00	36.000	0.000	36.0	14.5	2.00	532
C	102	Square	work floor		0.000	9.400	5.500	36.50	0.00	0.00	36.500	0.000	36.5	41.6	3.50	1,571
C	103	Square	work floor		0.000	9.400	3.500	36.00	0.00	0.00	36.000	0.000	36.0	26.4	2.50	974

Client ID: 851

## NDPSC Bin Capacity Chart

02/17/2015 08:32:26 AM

Exam Date:11/10/2014

Fessenden Cooperative Association

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Examiner: 2

PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Heimdal****Section: C**

C	104	T	Square	work floor	0.000	9.400	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.0	2.50	1,289
C	104	B	Square	work floor - top 37'	0.000	10.20	9.400	18.00	0.00	0.00	18.000	0.000	18.0	77.1	5.50	1,464
C	105		Square	work floor	0.000	9.400	5.500	36.50	0.00	0.00	36.500	0.000	36.5	41.6	3.50	1,571
C	106	T	Square	work floor	0.000	9.600	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.7	3.00	1,323
C	106	B	Square	work floor - top 37'	0.000	10.20	9.600	18.00	0.00	0.00	18.000	0.000	18.0	78.7	5.50	1,495
C	107	T	Square	work floor	0.000	9.400	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.0	2.50	1,289
C	107	B	Square	work floor - top 37'	0.000	10.20	9.400	18.00	0.00	0.00	18.000	0.000	18.0	77.1	5.50	1,464
C	108		Square	work floor	0.000	9.600	5.500	36.50	0.00	0.00	36.500	0.000	36.5	42.4	3.50	1,602
C	109	T	Square	work floor	0.000	9.600	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.7	3.00	1,323
C	109	B	Square	work floor - top 37'	0.000	10.20	9.600	18.00	0.00	0.00	18.000	0.000	18.0	78.7	5.50	1,495
C	110		Square	work floor	0.000	9.600	6.400	37.00	0.00	0.00	37.000	0.000	37.0	49.4	4.20	1,905
C	111		Square	work floor	0.000	9.600	5.500	36.50	0.00	0.00	36.500	0.000	36.5	42.4	3.50	1,602
C	112	T	Square	work floor	0.000	9.400	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.0	2.50	1,289
C	112	B	Square	work floor - top 37'	0.000	10.20	9.400	17.00	0.00	0.00	17.000	0.000	17.0	77.1	5.50	1,383
C	113		Square	work floor	0.000	9.600	6.400	37.00	0.00	0.00	37.000	0.000	37.0	49.4	4.20	1,905
C	114		Square	work floor	0.000	9.400	5.500	35.00	0.00	0.00	35.000	0.000	35.0	41.6	3.50	1,507
C	115	T	Square	work floor	0.000	9.400	4.500	37.00	0.00	0.00	37.000	0.000	37.0	34.0	2.50	1,289
C	115	B	Square	work floor - top 37'	0.000	10.20	9.400	17.00	0.00	0.00	17.000	0.000	17.0	77.1	5.50	1,383
C	116		Square	work floor	0.000	9.400	6.400	36.00	0.00	0.00	36.000	0.000	36.0	48.4	4.20	1,815
C	117		Square	work floor	0.000	9.400	5.500	35.00	0.00	0.00	35.000	0.000	35.0	41.6	3.50	1,507
C	118		Square	work floor	0.000	9.400	6.400	36.00	0.00	0.00	36.000	0.000	36.0	48.4	4.20	1,815
C	201	T	Square	work floor	0.000	15.20	13.20	58.50	0.00	0.00	58.500	0.000	58.5	161.3	7.00	10,097

## NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association

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Examiner: 2

PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Heimdal****Section: C**

C	201 B	Square	work floor - top 58.5'	0.000	13.20	12.70	7.000	0.00	0.00	7.000	0.000	7.0	134.8	6.50	1,005
C	202 T	Square	work floor	0.000	15.20	13.20	58.50	0.00	0.00	58.500	0.000	58.5	161.3	7.00	10,097
C	202 B	Square	work floor - top 58.5'	0.000	13.20	12.80	7.000	0.00	0.00	7.000	0.000	7.0	135.8	6.50	1,013
C	203 T	Square	work floor	0.000	15.20	13.60	58.50	0.00	0.00	58.500	0.000	58.5	166.2	7.00	10,404
C	203 B	Square	work floor - top 58.5'	0.000	13.60	12.80	7.000	0.00	0.00	7.000	0.000	7.0	139.9	6.80	1,046
C	204 T	Square	work floor	0.000	13.60	3.100	31.00	0.00	0.00	31.000	0.000	31.0	33.9	2.50	1,077
C	204 M	Square	work floor - top 31'	0.000	15.20	13.60	27.50	0.00	0.00	27.500	0.000	27.5	166.2	7.00	4,891
C	204B	Square	work floor - top & middle	0.000	13.60	12.70	7.000	0.00	0.00	7.000	0.000	7.0	138.8	6.50	1,035
C	205	Square	work floor	0.000	13.60	11.70	31.00	0.00	0.00	31.000	0.000	31.0	127.9	6.50	4,223
C	206 T	Square	work floor	0.000	15.20	13.60	58.50	0.00	0.00	58.500	0.000	58.5	166.2	7.00	10,404
C	206 B	Square	work floor - top 58.5'	0.000	13.60	12.70	7.000	0.00	0.00	7.000	0.000	7.0	138.8	6.50	1,035
C	207 T	Square	work floor	0.000	15.20	13.60	58.50	0.00	0.00	58.500	0.000	58.5	166.2	7.00	10,404
C	207 B	Square	work floor - top 58.5'	0.000	13.60	12.80	7.000	0.00	0.00	7.000	0.000	7.0	139.9	6.80	1,046
C	208 T	Square	work floor	0.000	15.20	13.60	58.50	0.00	0.00	58.500	0.000	58.5	166.2	7.00	10,404
C	208 B	Square	work floor - top 58.5'	0.000	13.60	12.80	7.000	0.00	0.00	7.000	0.000	7.0	139.9	6.80	1,046
C	209 T	Square	work floor	0.000	13.60	3.300	31.00	0.00	0.00	31.000	0.000	31.0	36.1	3.00	1,153
C	209 M	Square	work floor - top 31'	0.000	15.20	13.60	27.50	0.00	0.00	27.500	0.000	27.5	166.2	7.00	4,891
C	209B	Square	work floor - top & middle	0.000	13.60	12.70	7.000	0.00	0.00	7.000	0.000	7.0	138.8	6.50	1,035
C	210	Square	work floor	0.000	13.60	11.50	31.00	0.00	0.00	31.000	0.000	31.0	125.7	6.50	4,150
C	211 T	Square	work floor	0.000	15.20	13.50	58.50	0.00	0.00	58.500	0.000	58.5	165.0	7.00	10,329
C	211 B	Square	work floor - top 58.5'	0.000	13.50	12.70	7.000	0.00	0.00	7.000	0.000	7.0	137.8	6.50	1,028
C	212 T	Square	work floor	0.000	15.20	13.50	58.50	0.00	0.00	58.500	0.000	58.5	165.0	7.00	10,329

Client ID: 851

## NDPSC Bin Capacity Chart

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Exam Date:11/10/2014

Fessenden Cooperative Association

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PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: Heimdal****Section: C**

C	212 B	Square	work floor - top 58.5'	0.000	13.50	12.80	7.000	0.00	0.00	7.000	0.000	7.0	138.9	6.50	1,035
C	213 T	Square	work floor	0.000	15.20	13.50	58.50	0.00	0.00	58.500	0.000	58.5	165.0	7.00	10,329
C	213 B	Square	work floor - top 58.5'	0.000	13.50	12.80	7.000	0.00	0.00	7.000	0.000	7.0	138.9	6.50	1,035
C	214	Square	work floor	0.000	13.20	11.80	31.00	0.00	0.00	31.000	0.000	31.0	125.2	6.50	4,133
C	215 T	Square	work floor	0.000	13.20	3.000	31.00	0.00	0.00	31.000	0.000	31.0	31.8	2.50	1,011
C	215 M	Square	work floor - top 31'	0.000	15.20	13.20	27.50	0.00	0.00	27.500	0.000	27.5	161.3	7.00	4,747
C	215B	Square	work floor - top & mddle	0.000	13.20	12.80	7.000	0.00	0.00	7.000	0.000	7.0	135.8	6.50	1,013
C	216 T	Square	work floor	0.000	15.20	13.20	58.50	0.00	0.00	58.500	0.000	58.5	161.3	7.00	10,097
C	216 B	Square	work floor - top 58.5'	0.000	13.20	12.70	7.000	0.00	0.00	7.000	0.000	7.0	134.8	6.50	1,005
C	217 T	Square	work floor	0.000	13.50	3.300	31.00	0.00	0.00	31.000	0.000	31.0	35.8	3.00	1,143
C	217 M	Square	work floor - top 31'	0.000	15.20	13.50	27.50	0.00	0.00	27.500	0.000	27.5	165.0	7.00	4,856
C	217B	Square	work floor - top & mddle	0.000	13.50	12.70	7.000	0.00	0.00	7.000	0.000	7.0	137.8	6.50	1,028
C	218	Square	work floor	0.000	13.50	11.50	31.00	0.00	0.00	31.000	0.000	31.0	124.8	6.50	4,120

Bin count: 79

Facility: Heimdal Section: C Total: **237,655**To Even: **238,000**

## NDPSC Bin Capacity Chart

Exam Date:11/10/2014

Fessenden Cooperative Association

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PO Box 126  
Fessenden , ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: New Rockford****Section: L**

L	001 T	Irregular	work floor - 12.3 x 6.8		53.000	0.000	0.000	10.00	0.00	0.00	10.000	0.000	10.0	53.0	4.50	554
L	001 B	Square	work floor - top 10'		0.000	12.30	6.800	39.00	0.00	0.00	39.000	0.000	39.0	67.2	5.20	2,757
L	002 T	Square	work floor		0.000	5.000	4.000	32.00	0.00	0.00	32.000	0.000	32.0	16.1	2.00	525
L	002 B	Square	work floor - top 32'		0.000	11.00	4.000	19.00	0.00	0.00	19.000	0.000	19.0	35.4	3.00	693
L	003	Square	work floor		0.000	5.700	4.000	32.00	0.00	0.00	32.000	0.000	32.0	18.3	2.00	598
L	004	Square	work floor		0.000	11.00	6.700	51.00	0.00	0.00	51.000	0.000	51.0	59.2	4.80	3,164
L	005 T	Square	work floor		0.000	11.00	6.200	53.00	0.00	0.00	53.000	0.000	53.0	54.8	4.50	3,035
L	005 B	Square	work floor - top 53'		0.000	12.50	11.00	15.00	0.00	0.00	15.000	0.000	15.0	110.5	6.20	1,761
L	006	Square	work floor		0.000	6.000	4.500	14.00	0.00	0.00	14.000	0.000	14.0	21.7	2.00	310
L	008	Square	work floor		0.000	12.30	6.200	51.00	0.00	0.00	51.000	0.000	51.0	61.3	4.80	3,276
L	009 T	Square	work floor		0.000	7.800	6.700	14.00	0.00	0.00	14.000	0.000	14.0	42.0	3.50	609
L	009 B	Square	work floor - top 14'		0.000	12.30	6.700	36.00	0.00	0.00	36.000	0.000	36.0	66.2	5.00	2,502
L	010 T	Square	work floor		0.000	11.00	6.200	53.00	0.00	0.00	53.000	0.000	53.0	54.8	4.50	3,035
L	010 B	Square	work floor - top 53'		0.000	12.50	11.00	15.00	0.00	0.00	15.000	0.000	15.0	110.5	6.20	1,761
L	011	Square	work floor		0.000	11.00	6.700	51.00	0.00	0.00	51.000	0.000	51.0	59.2	4.80	3,164
L	013 T	Irregular	work floor 11 x 6.8 obstrct		46.000	0.000	0.000	10.00	0.00	0.00	10.000	0.000	10.0	46.0	4.00	478
L	013 B	Square	work floor _ top 10'		0.000	11.00	6.800	40.50	0.00	0.00	40.500	0.000	40.5	60.1	4.80	2,551
L	015 T	Irregular	work floor 11 x 6.8 obstrct		46.000	0.000	0.000	10.00	0.00	0.00	10.000	0.000	10.0	46.0	4.00	478
L	015 B	Square	work floor - top 10'		0.000	11.00	6.800	39.00	0.00	0.00	39.000	0.000	39.0	60.1	4.80	2,457
L	016	Square	work floor		0.000	11.00	6.700	51.00	0.00	0.00	51.000	0.000	51.0	59.2	4.80	3,164
L	017 T	Square	work floor		0.000	11.00	6.200	53.00	0.00	0.00	53.000	0.000	53.0	54.8	4.50	3,035
L	017 B	Square	work floor - top 53'		0.000	12.40	11.00	15.00	0.00	0.00	15.000	0.000	15.0	109.6	6.20	1,746

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Fessenden Cooperative Association

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PO Box 126  
Fessenden , ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg).	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: New Rockford

### Section: L

L	018		Square	work floor	0.000	12.30	6.700	50.00	0.00	0.00	50.000	0.000	50.0	66.2	5.00	3,476
L	020 T		Square	work floor	0.000	12.30	6.200	53.00	0.00	0.00	53.000	0.000	53.0	61.3	4.80	3,405
L	020 B		Square	work floor - top 53'	0.000	12.30	12.40	15.00	0.00	0.00	15.000	0.000	15.0	122.6	6.50	1,959
L	021 T		Square	work floor	0.000	11.00	6.200	53.00	0.00	0.00	53.000	0.000	53.0	54.8	4.50	3,035
L	021 B		Square	work floor - top 53'	0.000	11.00	12.40	15.00	0.00	0.00	15.000	0.000	15.0	109.6	6.20	1,746
L	022		Square	work floor	0.000	11.00	4.000	46.00	0.00	0.00	46.000	0.000	46.0	35.4	3.00	1,677
L	023		Square	work floor	0.000	11.00	6.700	51.00	0.00	0.00	51.000	0.000	51.0	59.2	4.80	3,164
L	024		Square	work floor	0.000	4.900	3.700	49.00	0.00	0.00	49.000	0.000	49.0	14.6	2.00	729
L	025 T		Irregular	work floor 12.3 x 6.8 with	53.000	0.000	0.000	10.00	0.00	0.00	10.000	0.000	10.0	53.0	4.50	554
L	025 B		Square	work floor - top 10'	0.000	12.30	6.800	37.00	0.00	0.00	37.000	0.000	37.0	67.2	5.20	2,615
L	101		Square	work floor	0.000	10.50	10.50	67.00	0.00	0.00	67.000	0.000	67.0	88.6	5.80	6,280
L	102		Square	work floor	0.000	10.50	9.600	56.00	0.00	0.00	56.000	0.000	56.0	81.0	5.50	4,785
L	103		Square	work floor	0.000	10.50	10.50	67.00	0.00	0.00	67.000	0.000	67.0	88.6	5.80	6,280
L	104		Square	work floor	0.000	10.60	9.600	56.00	0.00	0.00	56.000	0.000	56.0	81.8	5.50	4,833
L	105		Square	work floor	0.000	10.50	10.60	67.00	0.00	0.00	67.000	0.000	67.0	89.5	5.80	6,345
L	106		Square	work floor	0.000	10.50	10.70	67.00	0.00	0.00	67.000	0.000	67.0	90.3	5.80	6,401
L	107		Square	work floor	0.000	10.70	9.600	58.00	0.00	0.00	58.000	0.000	58.0	82.6	5.50	5,055
L	108		Square	work floor	0.000	10.70	10.50	67.00	0.00	0.00	67.000	0.000	67.0	90.3	5.80	6,401
L	109		Square	work floor	0.000	10.60	10.50	67.00	0.00	0.00	67.000	0.000	67.0	89.5	5.80	6,345
L	110		Square	work floor	0.000	10.60	10.50	67.00	0.00	0.00	67.000	0.000	67.0	89.5	5.80	6,345
L	111		Square	work floor	0.000	10.70	10.50	67.00	0.00	0.00	67.000	0.000	67.0	90.3	5.80	6,401
L	112		Square	work floor	0.000	10.60	9.600	58.50	0.00	0.00	58.500	0.000	58.5	81.8	5.50	5,048

Client ID: 851

## NDPSC Bin Capacity Chart

02/17/2015 08:32:26 AM

Exam Date:11/10/2014

Fessenden Cooperative Association  
PO Box 126  
Fessenden , ND  
County:

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Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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**Facility: New Rockford****Section: L**

L	113	Square	work floor		0.000	10.70	9.600	58.00	0.00	0.00	58.000	0.000	58.0	82.6	5.50	5,055
L	114	Square	work floor		0.000	10.70	10.50	67.00	0.00	0.00	67.000	0.000	67.0	90.3	5.80	6,401
L	115	Square	work floor		0.000	10.60	10.50	67.00	0.00	0.00	67.000	0.000	67.0	89.5	5.80	6,345
L	116	Square	work floor		0.000	10.50	10.50	67.00	0.00	0.00	67.000	0.000	67.0	88.6	5.80	6,280
L	117	Square	work floor		0.000	10.50	9.600	58.50	0.00	0.00	58.500	0.000	58.5	81.0	5.50	5,000
L	119	Square	work floor		0.000	10.50	10.50	67.00	0.00	0.00	67.000	0.000	67.0	88.6	5.80	6,280
L	201	Peaked	top of sidewall		35.900	0.000	0.000	66.00	0.00	0.00	66.000	2.200	68.2	813.7	10.0	61,043
L	202	Peaked	top of sidewall		32.900	0.000	0.000	66.00	0.00	0.00	66.000	2.000	68.0	683.4	9.50	50,886
L	203	Peaked	top of sidewall		26.900	0.000	0.000	66.00	0.00	0.00	66.000	1.600	67.6	456.9	8.50	33,511
L	302	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	304	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	305	Square	work floor		0.000	9.500	5.500	31.00	0.00	0.00	31.000	0.000	31.0	42.0	3.50	1,348
L	307	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	309 T	Square	work floor		0.000	6.000	5.500	8.000	0.00	0.00	8.000	0.000	8.0	26.5	2.50	217
L	309 B	Square	work floor - top 8'		0.000	9.500	5.500	19.00	0.00	0.00	19.000	0.000	19.0	42.0	3.50	826
L	310	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	311	Square	work floor		0.000	9.500	5.500	27.00	0.00	0.00	27.000	0.000	27.0	42.0	3.50	1,174
L	312	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	313	Square	work floor		0.000	9.500	5.500	31.50	0.00	0.00	31.500	0.000	31.5	42.0	3.50	1,369
L	315	Square	work floor		0.000	9.500	5.500	31.00	0.00	0.00	31.000	0.000	31.0	42.0	3.50	1,348
L	316	Square	work floor		0.000	11.00	9.500	45.50	0.00	0.00	45.500	0.000	45.5	84.0	5.80	4,044
L	401	Peaked	top of sidewall		42.000	0.000	0.000	21.30	0.00	0.00	21.300	2.500	23.8	1113.7	10.0	29,157

Client ID: 851

## NDPSC Bin Capacity Chart

02/17/2015 08:32:26 AM

Exam Date: 11/10/2014

Fessenden Cooperative Association

Page: 25

Examiner: 2

PO Box 126  
Fessenden, ND  
County:

Status	Section	Bin Number	Bin Type	Base Point	Diameter or Bu/Ft (Irreg.)	Length	Width	Side wall	Add for Hopper	Ded. for Obst.	Effective Depth	Add for Peak	Depth for Capac.	Bushels per Foot	Base Pack%	Bushel Capacity with Pack
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## Facility: New Rockford

### Section: L

L	402	Peaked	top of sidewall		42.000	0.000	0.000	21.30	0.00	0.00	21.300	2.500	23.8	1113.7	10.0	29,157
L	403	Peaked	top of sidewall		42.000	0.000	0.000	21.30	0.00	0.00	21.300	2.500	23.8	1113.7	10.0	29,157
L	404	Peaked	top of sidewall		42.000	0.000	0.000	21.30	0.00	0.00	21.300	2.500	23.8	1113.7	10.0	29,157
L	405	Peaked	top of sidewall		42.000	0.000	0.000	21.30	0.00	0.00	21.300	2.500	23.8	1113.7	10.0	29,157
L	500	Quonset	btm center horizontal		0.000	303.0	60.00	12.00	0.00	0.00	12.000	0.000	12.0	14214.4	10.0	187,631

Bin count: 71

**Facility: New Rockford Section: L Total: 679,295**

To Even: **680,000**

**Overall Licensed Bin Capacity for:**

**Fessenden Cooperative Association**

Bin count: 478

**Licensed Capacity:**  
(includes pack)

**10,181,867 Bu.**

**Licensed Capacity (to even):**  
(includes pack and section totals are  
rounded up to next highest 1000)

**10,188,000 Bu.**

**Richter, Susan K.**

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**From:** Erdmann, Tim A.  
**Sent:** Tuesday, February 17, 2015 8:31 AM  
**To:** mhovland@fesscoop.com; Richter, Susan K.  
**Subject:** construction- Hamberg concrete  
**Attachments:** Visual FoxProFssndn 2015.pdf; Visual FoxProFessndn-2-2015.pdf

Good morning Mark, Attached is the latest bin charts and statement of capacity for the Co-op including the new concrete construction at the Hamberg shuttle facility. Please review this information and if acceptable, please contact Sue Richter to change the licensed capacity of the Co-op accordingly. Contact me if you have questions. Tim

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FESSENDEN CO-OP ASSOCIATION  
HAMBERG SECTION D

concrete complex

BNSF RAIL loop track shuttle load facility

