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CRUISE DETAILS

CRUISE DETAILS

TRACT 11

Cruise Details

Tract Name:	Tract 11
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	80
Total Acres:	132
Number of Plots:	55
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 11

Cruise Summary | Sawtimber

CNX | Tract 11 | 10/9/2019 | W1643 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	197	8,747	44	109	2.5	14.6	0.9	2.5
BC	104	10,323	99	129	3	17.2	1.4	1.8
BG	37	5,497	149	69	1.6	17	2.2	0.7
BL	64	2,380	37	30	0.7	13	1	0.7
BO	61	7,203	118	90	2.1	16.7	1.8	1.1
BSW	27	2,286	85	29	0.7	14	2.5	0.4
BTA	168	18,532	110	232	5.4	16	2.4	2.5
CO	16	2,700	169	34	0.8	18	2	0.4
EL	27	1,687	62	21	0.5	14	1.5	0.4
HI	29	7,088	244	89	2.1	19	2.8	0.7
HM	143	9,009	63	113	2.6	15.3	1.1	2.2
POP	1,316	193,002	147	2,413	56.2	16.5	2.8	22.9
RO	256	33,934	133	424	9.9	17.9	1.8	5.1
SAS	21	1,958	93	24	0.6	16	1.5	0.4
SM	359	25,015	70	313	7.3	15	1.4	5.1
SO	34	5,918	174	74	1.7	18	2.2	0.7
SYC	11	4,320	393	54	1.3	22	3	0.4
WA	16	2,700	169	34	0.8	18	2	0.4
WO	27	1,306	48	16	0.4	14	1	0.4
TOTAL	2,913	343,605	118	4,295	100	16.4	1.9	49

CRUISE DETAILS

TRACT 11

Stand Table | Sawtimber

CNX | Tract 11 | 10/9/2019 | W1643 | Point Sample

Species	DBH Class (inches)											Total	
	12	14	16	18	20	22	24	26	28	30	36		
AB	111	54	21	-	-	11	-	-	-	-	-	-	197
BC	37	27	-	16	13	11	-	-	-	-	-	-	104
BG	-	-	21	16	-	-	-	-	-	-	-	-	37
BL	37	27	-	-	-	-	-	-	-	-	-	-	64
BO	-	27	21	-	13	-	-	-	-	-	-	-	61
BSW	-	27	-	-	-	-	-	-	-	-	-	-	27
BTA	74	27	42	16	-	-	9	-	-	-	-	-	168
CO	-	-	-	16	-	-	-	-	-	-	-	-	16
EL	-	27	-	-	-	-	-	-	-	-	-	-	27
HI	-	-	-	16	13	-	-	-	-	-	-	-	29
HM	37	27	63	16	-	-	-	-	-	-	-	-	143
POP	185	351	420	240	78	33	9	-	-	-	-	-	1,316
RO	-	108	42	48	39	11	-	8	-	-	-	-	256
SAS	-	-	21	-	-	-	-	-	-	-	-	-	21
SM	148	108	42	48	13	-	-	-	-	-	-	-	359
SO	-	-	21	-	13	-	-	-	-	-	-	-	34
SYC	-	-	-	-	-	11	-	-	-	-	-	-	11
WA	-	-	-	16	-	-	-	-	-	-	-	-	16
WO	-	27	-	-	-	-	-	-	-	-	-	-	27
TOTAL	629	837	714	448	182	77	18	8	18	8	2,913		

CRUISE DETAILS

TRACT 11

Stock Table | Sawtimber

CNX | Tract 11 | 10/9/2019 | W1643 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
AB	2,260	2,612	1,958	-	-	1,917	-	-	-	-	8,747
BC	593	1,306	-	2,173	3,000	3,251	-	-	-	-	10,323
BG	-	-	1,958	3,539	-	-	-	-	-	-	5,497
BL	1,074	1,306	-	-	-	-	-	-	-	-	2,380
BO	-	1,306	2,417	-	3,480	-	-	-	-	-	7,203
BSW	-	2,286	-	-	-	-	-	-	-	-	2,286
BTA	2,667	2,286	5,167	3,819	-	-	4,593	-	-	-	18,532
CO	-	-	-	2,700	-	-	-	-	-	-	2,700
EL	-	1,687	-	-	-	-	-	-	-	-	1,687
HI	-	-	-	3,128	3,960	-	-	-	-	-	7,088
HM	593	1,306	5,875	1,235	-	-	-	-	-	-	9,009
POP	6,148	26,941	61,335	54,191	24,508	14,888	4,991	-	-	-	193,002
RO	-	6,340	4,250	8,429	9,480	2,579	-	2,856	-	-	33,934
SAS	-	-	1,958	-	-	-	-	-	-	-	1,958
SM	3,815	5,469	3,792	8,939	3,000	-	-	-	-	-	25,015
SO	-	-	1,958	-	3,960	-	-	-	-	-	5,918
SYC	-	-	-	-	-	4,320	-	-	-	-	4,320
WA	-	-	-	2,700	-	-	-	-	-	-	2,700
WO	-	1,306	-	-	-	-	-	-	-	-	1,306
TOTAL	17,150	54,151	90,668	90,853	51,388	26,955	9,584	2,856	343,605		

CRUISE DETAILS

TRACT 11

Cruise Statistics

CNX | Tract 11 | 10/9/2019 | W1643 | Point Sample

Sawtimber Statistics (based on 55 sample points)

Coefficient of Variation (CV)%: 75

Confidence Level	% of Mean	(BFV/Acre)			+/-	(Total BFV)		
		Lower CL	Mean	Upper CL		Lower CL	Total	Upper CL
99%	26	1,117	4,295	5,412	89,360	286,565	343,605	432,965
95%	19.8	850	4,295	5,145	68,000	275,605	343,605	411,605
90%	16.6	713	4,295	5,009	57,040	286,565	343,605	400,645
80%	12.9	556	4,295	4,851	44,480	299,125	343,605	388,085
70%	10.5	449	4,295	4,744	35,920	307,685	343,605	379,525
68%	10.1	434	4,295	4,729	34,720	308,885	343,605	378,325

Pulpwood Statistics (based on 55 sample points)

Coefficient of Variation (CV)%: 110

Confidence Level	% of Mean	(Tons/Acre)			+/-	(Total Tons)		
		Lower CL	Mean	Upper CL		Lower CL	Total	Upper CL
99%	38.2	7	18	26	568	911	1,479	2,047
95%	29.1	5	18	24	432	1,047	1,479	1,911
90%	24.4	4	18	23	360	1,119	1,479	1,839
80%	19	4	18	22	280	1,199	1,479	1,759
70%	15.4	3	18	21	224	1,255	1,479	1,703
68%	14.8	3	18	21	216	1,263	1,479	1,695

CRUISE DETAILS

TRACT 11

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BL	black locust	Robinia pseudoacacia	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
CO	chestnut oak	Quercus prinus	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 19

Cruise Details

Tract Name:	Tract 19
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	56
Total Acres:	274
Number of Plots:	51
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 19

Cruise Summary | Sawtimber

CNX | Tract 19 | 10/9/2019 | W1652 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	80	6,673	83	119	2.6	17.7	0.8	2.4
BC	84	1,705	20	30	0.7	12	0.7	1.2
BO	68	6,786	100	121	2.7	17	1.6	1.6
BSW	21	1,274	61	23	0.5	14	1.5	0.4
BTA	173	12,492	72	223	4.9	14.2	1.9	3.1
BW	144	8,905	62	159	3.5	14.6	1.4	2.7
EL	33	2,517	76	45	1	16	1.2	0.8
HI	123	14,339	117	256	5.6	17.5	1.9	3.1
HM	107	10,205	95	182	4	17.1	1.4	2.7
POP	860	118,179	137	2,110	46.3	16.9	2.6	20.8
RO	206	44,735	217	799	17.5	21.2	2.1	7.5
SAS	65	2,929	45	52	1.1	14	1	1.2
SM	203	11,223	55	200	4.4	14.8	1.2	3.9
SYC	70	11,787	168	210	4.6	18	2.5	2
WO	12	1,640	137	29	0.6	18	1.5	0.4
TOTAL	2,249	255,389	114	4,560	100	16.2	1.6	54

CRUISE DETAILS

TRACT 19

Stand Table | Sawtimber

CNX | Tract 19 | 10/9/2019 | W1652 | Point Sample

Species	DBH Class (inches)													Total
	12	14	16	18	20	22	24	26	28	30	32			
AB	-	-	48	24	-	8	-	-	-	-	-	-	80	
BC	84	-	-	-	-	-	-	-	-	-	-	-	84	
BO	28	21	-	12	-	-	7	-	-	-	-	-	68	
BSW	-	21	-	-	-	-	-	-	-	-	-	-	21	
BTA	84	63	16	-	10	-	-	-	-	-	-	-	173	
BW	84	-	48	12	-	-	-	-	-	-	-	-	144	
EL	-	21	-	12	-	-	-	-	-	-	-	-	33	
HI	56	-	16	24	20	-	7	-	-	-	-	-	123	
HM	28	21	16	24	10	8	-	-	-	-	-	-	107	
POP	168	252	272	72	50	16	21	-	5	4	-	-	860	
RO	-	42	64	36	10	8	14	18	10	-	4	-	206	
SAS	28	21	16	-	-	-	-	-	-	-	-	-	65	
SM	84	63	48	-	-	8	-	-	-	-	-	-	203	
SYC	-	21	32	-	10	-	7	-	-	-	-	-	70	
WO	-	-	-	12	-	-	-	-	-	-	-	-	12	
TOTAL	644	546	576	228	110	48	56	18	15	4	4	4	2,249	

CRUISE DETAILS

TRACT 19

Stock Table | Sawtimber

CNX | Tract 19 | 10/9/2019 | W1652 | Point Sample

Species	DBH Class (inches)											Total
	12	14	16	18	20	22	24	26	28	30	32	
AB	-	-	3,050	2,175	-	1,448	-	-	-	-	-	6,673
BC	1,705	-	-	-	-	-	-	-	-	-	-	1,705
BO	447	1,274	-	2,038	-	-	3,027	-	-	-	-	6,786
BSW	-	1,274	-	-	-	-	-	-	-	-	-	1,274
BTA	2,433	4,993	2,076	-	2,990	-	-	-	-	-	-	12,492
BW	2,433	-	4,434	2,038	-	-	-	-	-	-	-	8,905
EL	-	1,274	-	1,243	-	-	-	-	-	-	-	2,517
HI	1,258	-	2,517	4,001	5,053	-	1,510	-	-	-	-	14,339
HM	811	1,274	1,132	3,678	856	2,454	-	-	-	-	-	10,205
POP	4,894	18,410	35,987	14,801	15,824	7,686	11,604	-	4,571	4,402	-	118,179
RO	-	1,972	7,548	6,437	2,265	2,862	4,634	8,202	7,190	-	3,625	44,735
SAS	811	986	1,132	-	-	-	-	-	-	-	-	2,929
SM	2,069	2,773	4,434	-	-	1,947	-	-	-	-	-	11,223
SYC	-	1,541	4,152	-	2,627	-	3,467	-	-	-	-	11,787
WO	-	-	-	1,640	-	-	-	-	-	-	-	1,640
TOTAL	16,861	35,771	66,462	38,051	29,615	16,397	24,242	8,202	11,761	4,402	3,625	255,389

CRUISE DETAILS

TRACT 19

Cruise Statistics

CNX | Tract 19 | 10/9/2019 | W1652 | Point Sample

Sawtimber Statistics (based on 51 sample points)

Coefficient of Variation (CV)%: 66

Confidence Level	% of Mean	(BFV/Acre)			+/-	+/-	(Total BFV)		
		Lower CL	Mean	Upper CL			Lower CL	Total	Upper CL
99%	23.9	1,090	3,471	4,560	5,650	61,040	216,413	255,389	316,429
95%	18.2	829	3,731	4,560	5,390	46,424	208,965	255,389	301,813
90%	15.3	696	3,864	4,560	5,256	38,976	216,413	255,389	294,365
80%	11.9	542	4,018	4,560	5,103	30,352	225,037	255,389	285,741
70%	9.6	438	4,122	4,560	4,999	24,528	230,861	255,389	279,917
68%	9.3	423	4,137	4,560	4,983	23,688	231,701	255,389	279,077

Pulpwood Statistics (based on 51 sample points)

Coefficient of Variation (CV)%: 120

Confidence Level	% of Mean	(Tons/Acre)			+/-	+/-	(Total Tons)		
		Lower CL	Mean	Upper CL			Lower CL	Total	Upper CL
99%	43.1	6	14	14	20	330	431	762	1,092
95%	32.8	4	14	14	18	252	510	762	1,014
90%	27.6	4	14	14	17	207	554	762	969
80%	21.5	3	11	14	16	162	599	762	924
70%	17.4	2	11	14	16	134	627	762	896
68%	16.8	2	11	14	16	129	633	762	890

CRUISE DETAILS

TRACT 19

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SYC	sycamore	Platanus occidentalis	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 24

Cruise Details

Tract Name:	Tract 24
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	53
Total Acres:	146
Number of Plots:	54
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 24

Cruise Summary | Sawtimber

CNX | Tract 24 | 10/9/2019 | W1649 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
BC	190	14,247	75	269	7	16.3	1.1	4.8
BL	43	1,281	30	24	0.6	13	0.8	0.7
BTA	162	26,133	161	493	12.9	17.5	2.4	4.8
BUC	25	400	16	8	0.2	12	0.5	0.4
BW	54	2,900	54	55	1.4	14	1.2	1.1
EL	54	2,747	51	52	1.4	14.7	1	1.1
HI	125	8,654	69	163	4.3	15.1	1.4	2.6
HM	131	8,881	68	168	4.4	15.5	1.2	3
POP	766	92,072	120	1,737	45.3	16.8	2	20
RO	12	6,198	516	117	3.1	24	3	0.7
SAS	39	1,722	44	32	0.8	14	1	0.7
SM	379	23,453	62	443	11.5	15.4	1.1	8.5
SO	14	1,631	116	31	0.8	16	2	0.4
SYC	11	1,466	133	28	0.7	18	1.5	0.4
WA	182	11,325	62	214	5.6	15.5	1.1	4.1
TOTAL	2,187	203,110	93	3,832	100	15.9	1.4	53

CRUISE DETAILS

TRACT 24

Stand Table | Sawtimber

CNX | Tract 24 | 10/9/2019 | W1649 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
BC	50	36	42	55	-	7	-	-	-	-	190
BL	25	18	-	-	-	-	-	-	-	-	43
BTA	25	18	28	66	18	7	-	-	-	-	162
BUC	25	-	-	-	-	-	-	-	-	-	25
BW	-	54	-	-	-	-	-	-	-	-	54
EL	25	18	-	11	-	-	-	-	-	-	54
HI	75	18	14	-	18	-	-	-	-	-	125
HM	50	36	14	22	9	-	-	-	-	-	131
POP	150	216	224	88	45	14	24	5	766	-	766
RO	-	-	-	-	-	-	12	-	12	-	12
SAS	25	-	14	-	-	-	-	-	39	-	39
SM	125	126	70	33	18	7	-	-	379	-	379
SO	-	-	14	-	-	-	-	-	14	-	14
SYC	-	-	-	11	-	-	-	-	11	-	11
WA	75	36	42	11	18	-	-	-	182	-	182
TOTAL	650	576	462	297	126	35	36	5	2,187		

CRUISE DETAILS

TRACT 24

Stock Table | Sawtimber

CNX | Tract 24 | 10/9/2019 | W1649 | Point Sample

Species	DBH Class (inches)											Total	
	12	14	16	18	20	22	24	26	28	30	36		
BC	800	2,019	3,346	6,342	-	1,740	-	-	-	-	-	-	14,247
BL	400	881	-	-	-	-	-	-	-	-	-	-	1,281
BTA	400	1,138	3,487	13,497	4,696	2,915	-	-	-	-	-	-	26,133
BUC	400	-	-	-	-	-	-	-	-	-	-	-	400
BW	-	2,900	-	-	-	-	-	-	-	-	-	-	2,900
EL	400	881	-	1,466	-	-	-	-	-	-	-	-	2,747
HI	1,850	881	1,631	-	4,292	-	-	-	-	-	-	-	8,654
HM	1,125	1,432	1,012	3,288	2,024	-	-	-	-	-	-	-	8,881
POP	3,875	13,493	26,139	14,954	12,613	5,116	12,272	3,610	-	-	-	-	92,072
RO	-	-	-	-	-	-	6,198	-	-	-	-	-	6,198
SAS	400	-	1,322	-	-	-	-	-	-	-	-	-	1,722
SM	2,325	6,021	5,680	4,398	2,835	2,194	-	-	-	-	-	-	23,453
SO	-	-	1,631	-	-	-	-	-	-	-	-	-	1,631
SYC	-	-	-	1,466	-	-	-	-	-	-	-	-	1,466
WA	1,200	1,689	2,727	1,822	3,887	-	-	-	-	-	-	-	11,325
TOTAL	13,175	31,335	46,975	47,233	30,347	11,965	18,470	3,610	-	-	-	-	203,110

CRUISE DETAILS

TRACT 24

Cruise Statistics

CNX | Tract 24 | 10/9/2019 | W1649 | Point Sample

Sawtimber Statistics (based on 54 sample points)

Coefficient of Variation (CV)%: 81

Confidence Level	% of Mean	(BFV/Acre)			Mean	Upper CL	+/-	(Total BFV)		
		Lower CL	Upper CL	+				-	Total	
99%	28.5	1,094	2,739	3,832	4,926	57,982	166,116	203,110	261,092	
95%	21.7	832	3,000	3,832	4,665	44,096	159,014	203,110	247,206	
90%	18.2	698	3,134	3,832	4,531	36,994	166,116	203,110	240,104	
80%	14.2	544	3,288	3,832	4,377	28,832	174,278	203,110	231,942	
70%	11.5	440	3,392	3,832	4,272	23,320	179,790	203,110	226,430	
68%	11.1	425	3,408	3,832	4,257	22,525	180,585	203,110	225,635	

CRUISE DETAILS

TRACT 24

Species Codes

Code	Common Name	Scientific Name	Form Class
BC	black cherry	Prunus serotina	78
BL	black locust	Robinia pseudoacacia	78
BTA	bigtooth aspen	Populus grandidentata	78
BUC	yellow buckeye	Aesculus octandra	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78

CRUISE DETAILS

TRACT 26

Cruise Details

Tract Name:	Tract 26
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	53
Total Acres:	243
Number of Plots:	52
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 26

Cruise Summary | Sawtimber

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	236	20,696	88	391	8.4	17.7	1.1	6.9
BC	27	3,264	121	62	1.3	17	1.8	0.8
BO	24	8,038	335	152	3.3	21.3	2.7	1.2
BSW	41	1,787	44	34	0.7	14	1	0.8
BTA	50	3,722	74	70	1.5	15.3	1.3	1.2
BUC	61	5,551	91	105	2.3	16	1.5	1.5
BW	26	753	29	14	0.3	12	1	0.4
CKO	92	10,475	114	198	4.3	19.1	1.4	2.7
CO	15	1,372	91	26	0.6	16	1.5	0.4
EL	19	915	48	17	0.4	14	1	0.4
HI	578	40,785	71	770	16.6	14.8	1.5	12.3
HM	240	20,041	84	378	8.2	16.6	1.5	5.4
MXH	19	915	48	17	0.4	14	1	0.4
POP	146	9,102	62	172	3.7	13.7	1.8	2.7
RO	263	46,256	176	873	18.8	19.4	2.1	8.5
SM	27	3,264	121	62	1.3	17	1.8	0.8
SO	102	15,829	155	299	6.4	19.2	1.9	3.1
SYC	95	6,554	69	124	2.7	14.8	1.5	1.9
WA	57	3,089	54	58	1.3	14.7	1.2	1.2
WO	336	43,444	129	820	17.7	17.8	1.9	9.2
TOTAL	2,454	245,852	100	4,639	100	16.2	1.5	62

CRUISE DETAILS

TRACT 26

Stand Table | Sawtimber

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	-	57	90	48	27	8	-	6	-	-	-	-	-	-
BC	-	-	15	12	-	-	-	-	-	-	-	-	-	-
BO	-	-	-	-	18	-	6	-	-	-	-	-	-	-
BSW	26	-	15	-	-	-	-	-	-	-	-	-	-	-
BTA	-	38	-	12	-	-	-	-	-	-	-	-	-	-
BUC	-	19	30	12	-	-	-	-	-	-	-	-	-	-
BW	26	-	-	-	-	-	-	-	-	-	-	-	-	-
CKO	-	38	30	12	9	-	-	-	-	-	-	-	-	-
CO	-	-	15	-	-	-	-	-	-	-	-	-	-	-
EL	-	19	-	-	-	-	-	-	-	-	-	-	-	-
HI	130	304	105	12	27	-	-	-	-	-	-	-	-	-
HM	130	57	15	-	18	8	-	12	-	-	-	-	-	-
MXH	-	19	-	-	-	-	-	-	-	-	-	-	-	-
POP	78	38	30	-	-	-	-	-	-	-	-	-	-	-
RO	26	95	30	24	36	24	18	6	-	-	4	-	-	-
SM	-	-	15	12	-	-	-	-	-	-	-	-	-	-
SO	26	38	-	12	9	-	12	-	5	-	-	-	-	-
SYC	52	19	15	-	9	-	-	-	-	-	-	-	-	-
WA	26	19	-	12	-	-	-	-	-	-	-	-	-	-
WO	104	57	60	36	63	-	6	6	-	4	-	-	-	-
TOTAL	624	817	465	204	216	40	42	30	5	4	4	0	0	0

CRUISE DETAILS

TRACT 26

Stand Table | Sawtimber

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

DBH Class (inches)

Species	36	Total
AB	-	236
BC	-	27
BO	-	24
BSW	-	41
BTA	-	50
BUC	-	61
BW	-	26
CKO	3	92
CO	-	15
EL	-	19
HI	-	578
HIM	-	240
MXH	-	19
POP	-	146
RO	-	263
SM	-	27
SO	-	102
SYC	-	95
WA	-	57
WO	-	336
TOTAL	3	2,454

CRUISE DETAILS

TRACT 26

Stock Table | Sawtimber

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	-	2,745	7,269	5,434	2,382	865	-	2,001	-	-	-	-	-	-
BC	-	-	1,372	1,892	-	-	-	-	-	-	-	-	-	-
BO	-	-	-	-	4,541	-	3,497	-	-	-	-	-	-	-
BSW	415	-	1,372	-	-	-	-	-	-	-	-	-	-	-
BTA	-	1,830	-	1,892	-	-	-	-	-	-	-	-	-	-
BUC	-	915	2,744	1,892	-	-	-	-	-	-	-	-	-	-
BW	753	-	-	-	-	-	-	-	-	-	-	-	-	-
CKO	-	2,097	2,423	1,523	2,102	-	-	-	-	-	-	-	-	-
CO	-	-	1,372	-	-	-	-	-	-	-	-	-	-	-
EL	-	915	-	-	-	-	-	-	-	-	-	-	-	-
HI	3,765	17,577	10,571	1,892	6,980	-	-	-	-	-	-	-	-	-
HM	3,765	3,279	1,372	-	4,541	2,656	-	4,428	-	-	-	-	-	-
MXH	-	915	-	-	-	-	-	-	-	-	-	-	-	-
POP	2,621	2,860	3,621	-	-	-	-	-	-	-	-	-	-	-
RO	753	5,643	2,745	4,084	9,756	7,968	8,429	2,980	-	-	3,898	-	-	-
SM	-	-	1,372	1,892	-	-	-	-	-	-	-	-	-	-
SO	415	2,364	-	1,892	2,439	-	5,620	-	3,099	-	-	-	-	-
SYC	1,506	915	1,694	-	2,439	-	-	-	-	-	-	-	-	-
WA	753	1,182	-	1,154	-	-	-	-	-	-	-	-	-	-
WO	2,336	2,669	6,132	4,938	17,408	-	2,810	3,422	-	3,729	-	-	-	-
TOTAL	17,082	45,906	44,059	28,485	52,588	11,489	20,356	12,831	3,099	3,729	3,898	00		

CRUISE DETAILS

TRACT 26

Stock Table | Sawtimber

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

DBH Class (inches)

Species	36	Total
AB	-	20,696
BC	-	3,264
BO	-	8,038
BSW	-	1,787
BTA	-	3,722
BUC	-	5,551
BW	-	753
CKO	2,330	10,475
CO	-	1,372
EL	-	915
HI	-	40,785
HIM	-	20,041
MXH	-	915
POP	-	9,102
RO	-	46,256
SM	-	3,264
SO	-	15,829
SYC	-	6,554
WA	-	3,089
WO	-	43,444
TOTAL	2,330	245,852

CRUISE DETAILS

TRACT 26

Cruise Statistics

CNX | Tract 26 | 10/9/2019 | W1650 | Point Sample

Sawtimber Statistics (based on 52 sample points)

Coefficient of Variation (CV): 56

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)		
		Lower CL	Upper CL	Mean			Lower CL	Total	Upper CL
99%	20	3,709	4,639	5,568	49,237	4,639	214,423	245,852	295,089
95%	15.2	3,932	4,639	5,346	37,471	4,639	208,381	245,852	283,323
90%	12.8	4,045	4,639	5,232	31,429	4,639	214,423	245,852	277,281
80%	10	4,176	4,639	5,101	24,539	4,639	221,313	245,852	270,391
70%	8.1	4,265	4,639	5,012	19,822	4,639	226,030	245,852	265,674
68%	7.8	4,278	4,639	4,999	19,133	4,639	226,719	245,852	264,985

CRUISE DETAILS

TRACT 26

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BUC	yellow buckeye	Aesculus octandra	78
BW	black walnut	Juglans nigra	78
CKO	chinkapin oak	Quercus muehlenbergii	78
CO	chestnut oak	Quercus prinus	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HMI	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 27

Cruise Details

Tract Name:	Tract 27
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	61
Total Acres:	323
Number of Plots:	54
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 27

Cruise Summary | Sawtimber

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	32	4,165	130	68	1.3	20	1	1.1
BC	48	3,851	80	63	1.2	16	1.2	1.1
BL	19	4,192	221	69	1.3	21	1.8	0.7
BSW	136	15,709	116	258	4.7	18.2	1.5	3.3
BUC	127	16,121	127	264	4.9	17.6	1.6	3.3
BW	159	16,533	104	271	5	17.6	1.3	4.1
CO	19	5,481	288	90	1.7	22	2.2	0.7
CUC	21	1,014	48	17	0.3	14	1	0.4
HI	122	8,446	69	138	2.5	14.7	1.5	2.2
HM	515	53,212	103	872	16	17.2	1.4	12.2
MXH	29	460	16	8	0.1	12	0.5	0.4
POP	732	150,493	206	2,467	45.3	20.4	2.4	21.5
RO	83	20,592	248	338	6.2	23.2	2	3
SYC	133	17,509	132	287	5.3	17.1	1.9	3.3
WA	129	5,011	39	82	1.5	14.3	0.8	2.2
WO	22	9,370	426	154	2.8	25.3	2.3	1.1
TOTAL	2,326	332,159	143	5,445	100	18.2	1.5	61

CRUISE DETAILS

TRACT 27

Stand Table | Sawtimber

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	-	-	-	13	10	9	-	-	-	-	-	-	-	-
BC	-	-	48	-	-	-	-	-	-	-	-	-	-	-
BL	-	-	-	-	10	9	-	-	-	-	-	-	-	-
BSW	-	84	16	13	10	9	-	-	-	-	4	-	-	-
BUC	-	21	64	13	20	9	-	-	-	-	-	-	-	-
BW	-	42	64	39	-	-	14	-	-	-	-	-	-	-
CO	-	-	-	13	-	-	-	6	-	-	-	-	-	-
CUC	-	21	-	-	-	-	-	-	-	-	-	-	-	-
HI	58	-	64	-	-	-	-	-	-	-	-	-	-	-
HM	58	189	112	65	60	18	7	6	-	-	-	-	-	-
MXH	29	-	-	-	-	-	-	-	-	-	-	-	-	-
POP	87	168	144	156	80	18	7	24	10	20	8	4	4	4
RO	29	-	-	13	10	9	14	-	-	-	4	4	-	-
SYC	-	42	48	13	30	-	-	-	-	-	-	-	-	-
WA	58	42	16	13	-	-	-	-	-	-	-	-	-	-
WO	-	-	-	-	-	18	-	-	-	-	-	4	-	-
TOTAL	319	609	576	351	230	99	42	36	10	20	20	8	20	8

CRUISE DETAILS

TRACT 27

Stand Table | Sawtimber

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

DBH Class (inches)

Species	36	Total
AB	-	32
BC	-	48
BL	-	19
BSW	-	136
BUC	-	127
BW	-	159
CO	-	19
CUC	-	21
HI	-	122
HM	-	515
MXH	-	29
POP	6	732
RO	-	83
SYC	-	133
WA	-	129
WO	-	22
TOTAL	6	2,326

CRUISE DETAILS

TRACT 27

Stock Table | Sawtimber

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	-	-	-	1,278	1,398	1,489	-	-	-	-	-	-	-	-
BC	-	-	3,851	-	-	-	-	-	-	-	-	-	-	-
BL	-	-	-	-	2,703	1,489	-	-	-	-	-	-	-	-
BSW	-	3,676	1,521	1,688	2,330	3,355	-	-	-	-	3,139	-	-	-
BUC	-	1,014	4,660	2,097	5,406	2,944	-	-	-	-	-	-	-	-
BW	-	2,028	5,372	5,473	-	-	3,660	-	-	-	-	-	-	-
CO	-	-	-	1,688	-	-	-	3,793	-	-	-	-	-	-
CUC	-	1,014	-	-	-	-	-	-	-	-	-	-	-	-
HI	1,294	-	7,152	-	-	-	-	-	-	-	-	-	-	-
HM	920	7,986	9,223	10,408	13,421	5,469	3,567	2,218	-	-	-	-	-	-
MXH	460	-	-	-	-	-	-	-	-	-	-	-	-	-
POP	2,128	9,296	16,246	28,102	22,743	7,009	3,567	15,534	7,397	12,569	8,066	4,425	-	-
RO	460	-	-	2,097	1,398	3,355	5,322	-	-	-	4,757	3,203	-	-
SYC	-	2,028	5,275	2,097	8,109	-	-	-	-	-	-	-	-	-
WA	920	1,648	1,165	1,278	-	-	-	-	-	-	-	-	-	-
WO	-	-	-	-	-	5,050	-	-	-	-	4,320	-	-	-
TOTAL	6,182	28,690	54,465	56,206	57,508	30,160	16,116	21,545	7,397	12,569	20,282	7,628		

CRUISE DETAILS

TRACT 27

Stock Table | Sawtimber

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

DBH Class (inches)

Species	36	Total
AB	-	4,165
BC	-	3,851
BL	-	4,192
BSW	-	15,709
BUC	-	16,121
BW	-	16,533
CO	-	5,481
CUC	-	1,014
HI	-	8,446
HM	-	53,212
MXH	-	460
POP	13,411	150,493
RO	-	20,592
SYC	-	17,509
WA	-	5,011
WO	-	9,370
TOTAL	13,411	332,159

CRUISE DETAILS

TRACT 27

Cruise Statistics

CNX | Tract 27 | 10/9/2019 | W1644 | Point Sample

Sawtimber Statistics (based on 54 sample points)

Coefficient of Variation (CV)%: 84

Confidence Level	(BFV/Acre)			(Total BFV)					
	% of Mean	+/-	Lower CL	Mean	Upper CL	+/-	Lower CL	Total	Upper CL
99%	29.3	1,597	3,848	5,445	7,042	97,417	269,939	332,159	429,576
95%	22.3	1,215	4,230	5,445	6,660	74,115	258,044	332,159	406,274
90%	18.7	1,020	4,426	5,445	6,465	62,220	269,939	332,159	394,379
80%	14.6	795	4,651	5,445	6,240	48,495	283,664	332,159	380,654
70%	11.8	642	4,803	5,445	6,088	39,162	292,997	332,159	371,321
68%	11.4	620	4,825	5,445	6,065	37,820	294,339	332,159	369,979

CRUISE DETAILS

TRACT 27

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BL	black locust	Robinia pseudoacacia	78
BSW	American basswood	Tilia americana	78
BUC	yellow buckeye	Aesculus octandra	78
BW	black walnut	Juglans nigra	78
CO	chestnut oak	Quercus prinus	78
CUC	cucumbertree	Magnolia acuminata	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 33

Cruise Details

Tract Name:	Tract 33
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	45
Total Acres:	199
Number of Plots:	56
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 33

Cruise Summary | Sawtimber

CNX | Tract 33 | 10/9/2019 | W1651 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	72	4,872	68	108	3	16.7	0.9	2.1
BC	91	9,151	101	203	5.7	16.8	1.5	2.9
BG	20	327	16	7	0.2	12	0.5	0.4
BO	12	1,082	90	24	0.7	16	1.5	0.4
BSW	12	1,335	111	30	0.8	16	2	0.4
BTA	81	9,438	117	210	5.9	16.3	2	2.5
BW	35	1,049	30	23	0.7	13	0.8	0.7
EL	20	327	16	7	0.2	12	0.5	0.4
HI	100	11,968	120	266	7.5	17.3	1.8	3.2
HM	172	8,200	48	182	5.1	14.7	0.9	4.3
POP	627	68,130	109	1,514	42.5	15.9	2.2	17.5
RO	106	19,753	186	439	12.3	19.5	1.8	4.6
SAS	20	327	16	7	0.2	12	0.5	0.4
SM	242	10,202	42	227	6.4	14.2	0.8	5.7
SO	23	3,400	148	76	2.1	22	1.8	0.7
SYC	29	2,055	71	46	1.3	15	1.5	0.7
WO	48	8,767	183	195	5.5	20.8	2.1	1.8
TOTAL	1,710	160,383	94	3,564	100	15.9	1.4	49

CRUISE DETAILS

TRACT 33

Stand Table | Sawtimber

CNX | Tract 33 | 10/9/2019 | W1651 | Point Sample

Species	DBH Class (inches)											Total
	12	14	16	18	20	22	24	26	28	30	32	
AB	20	30	-	9	7	6	-	-	-	-	-	72
BC	20	15	24	18	14	-	-	-	-	-	-	91
BG	20	-	-	-	-	-	-	-	-	-	-	20
BO	-	-	12	-	-	-	-	-	-	-	-	12
BSW	-	-	12	-	-	-	-	-	-	-	-	12
BTA	-	30	24	27	-	-	-	-	-	-	-	81
BW	20	15	-	-	-	-	-	-	-	-	-	35
EL	20	-	-	-	-	-	-	-	-	-	-	20
HI	-	45	24	27	-	-	-	4	-	-	-	100
HM	40	75	48	9	-	-	-	-	-	-	-	172
POP	100	255	204	18	35	-	15	-	-	-	-	627
RO	-	-	36	27	28	6	5	4	-	-	-	106
SAS	20	-	-	-	-	-	-	-	-	-	-	20
SM	80	90	72	-	-	-	-	-	-	-	-	242
SO	20	-	-	-	-	-	-	-	-	3	-	23
SYC	20	-	-	9	-	-	-	-	-	-	-	29
WO	20	-	12	9	-	-	-	4	-	-	3	48
TOTAL	400	555	468	153	84	12	20	8	4	0	6	1,710

CRUISE DETAILS

TRACT 33

Stock Table | Sawtimber

CNX | Tract 33 | 10/9/2019 | W1651 | Point Sample

Species	DBH Class (inches)														Total
	12	14	16	18	20	22	24	26	28	30	32				
AB	327	1,444	-	682	994	1,425	-	-	-	-	-	-	-	-	4,872
BC	327	722	1,658	2,864	3,580	-	-	-	-	-	-	-	-	-	9,151
BG	327	-	-	-	-	-	-	-	-	-	-	-	-	-	327
BO	-	-	1,082	-	-	-	-	-	-	-	-	-	-	-	1,082
BSW	-	-	1,335	-	-	-	-	-	-	-	-	-	-	-	1,335
BTA	-	1,173	2,854	5,411	-	-	-	-	-	-	-	-	-	-	9,438
BW	327	722	-	-	-	-	-	-	-	-	-	-	-	-	1,049
EL	327	-	-	-	-	-	-	-	-	-	-	-	-	-	327
HI	-	2,586	2,670	3,893	-	-	-	-	2,819	-	-	-	-	-	11,968
HM	654	3,068	3,569	909	-	-	-	-	-	-	-	-	-	-	8,200
POP	2,699	17,566	25,630	3,683	11,043	-	7,509	-	-	-	-	-	-	-	68,130
RO	-	-	2,740	3,310	7,691	1,796	2,215	2,001	-	-	-	-	-	-	19,753
SAS	327	-	-	-	-	-	-	-	-	-	-	-	-	-	327
SM	1,308	2,977	5,917	-	-	-	-	-	-	-	-	-	-	-	10,202
SO	327	-	-	-	-	-	-	-	-	-	3,073	-	-	-	3,400
SYC	327	-	-	1,728	-	-	-	-	-	-	-	-	-	-	2,055
WO	327	-	1,082	1,492	-	-	-	3,213	-	-	-	-	-	-	8,767
TOTAL	7,604	30,258	48,537	23,972	23,308	3,221	9,724	5,214	2,819	00	5,726	00	00	00	160,383

CRUISE DETAILS

TRACT 33

Cruise Statistics

CNX | Tract 33 | 10/9/2019 | W1651 | Point Sample

Sawtimber Statistics (based on 56 sample points)

Coefficient of Variation (CV): 79

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)		
		Lower CL	Upper CL	Mean			Lower CL	Total	Upper CL
99%	27.1	2,600	4,529	3,564	43,425	132,663	160,383	203,808	
95%	20.6	2,830	4,298	3,564	33,030	127,353	160,383	193,413	
90%	17.3	2,948	4,180	3,564	27,720	132,663	160,383	188,103	
80%	13.5	3,084	4,044	3,564	21,600	138,783	160,383	181,983	
70%	10.9	3,176	3,952	3,564	17,460	142,923	160,383	177,843	
68%	10.5	3,190	3,939	3,564	16,830	143,553	160,383	177,213	

CRUISE DETAILS

TRACT 33

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 38

Cruise Details

Tract Name:	Tract 38
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	86
Total Acres:	451
Number of Plots:	52
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 38

Cruise Summary | Sawtimber

CNX | Tract 38 | 10/9/2019 | W1645 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	73	2,159	30	25	0.6	13	0.8	0.8
BC	249	17,642	71	205	4.6	14.8	1.7	3.1
BL	31	2,321	75	27	0.6	14	2	0.4
BO	165	14,531	88	169	3.8	16.3	1.6	2.3
BTA	566	47,876	85	557	12.5	15.1	2	7.3
CO	80	6,814	85	79	1.8	16	1.5	1.2
EL	24	2,227	93	26	0.6	16	1.5	0.4
HI	291	19,134	66	223	5	14.8	1.4	3.8
HM	24	2,227	93	26	0.6	16	1.5	0.4
POP	964	113,804	118	1,323	29.6	16.1	2.4	14.2
RO	572	69,968	122	814	18.2	17.6	1.8	10
SAS	115	3,380	29	39	0.9	12.7	0.8	1.2
SM	487	24,200	50	281	6.3	14	1.2	5.8
SO	188	29,074	155	338	7.6	18.2	2.1	3.5
WO	259	28,898	112	336	7.5	16.4	1.9	4.2
TOTAL	4,088	384,255	94	4,468	100	15.4	1.6	59

CRUISE DETAILS

TRACT 38

Stand Table | Sawtimber

CNX | Tract 38 | 10/9/2019 | W1645 | Point Sample

Species	DBH Class (inches)											Total
	12	14	16	18	20	22	24	26	28	30		
AB	42	31	-	-	-	-	-	-	-	-	-	73
BC	126	62	48	-	-	13	-	-	-	-	-	249
BL	-	31	-	-	-	-	-	-	-	-	-	31
BO	84	31	24	-	15	-	11	-	-	-	-	165
BTA	210	248	48	19	30	-	11	-	-	-	-	566
CO	42	-	-	38	-	-	-	-	-	-	-	80
EL	-	-	24	-	-	-	-	-	-	-	-	24
HI	42	186	48	-	15	-	-	-	-	-	-	291
HM	-	-	24	-	-	-	-	-	-	-	-	24
POP	252	279	216	133	60	13	11	-	-	-	-	964
RO	84	62	240	95	45	39	-	-	-	7	-	572
SAS	84	31	-	-	-	-	-	-	-	-	-	115
SM	210	186	72	19	-	-	-	-	-	-	-	487
SO	42	31	-	76	15	13	11	-	-	-	-	188
WO	-	62	144	38	15	-	-	-	-	-	-	259
TOTAL	1,218	1,240	888	418	195	78	44	0	0	7	0	4,088

CRUISE DETAILS

TRACT 38

Stock Table | Sawtimber

CNX | Tract 38 | 10/9/2019 | W1645 | Point Sample

Species	DBH Class (inches)												Total		
	12	14	16	18	20	22	24	26	28	30					
AB	674	1,485	-	-	-	-	-	-	-	-	-	-	-	-	2,159
BC	3,958	4,920	4,454	-	-	4,310	-	-	-	-	-	-	-	-	17,642
BL	-	2,321	-	-	-	-	-	-	-	-	-	-	-	-	2,321
BO	1,895	1,918	2,748	-	3,411	-	4,559	-	-	-	-	-	-	-	14,531
BTA	3,917	19,277	6,657	4,343	8,460	-	5,222	-	-	-	-	-	-	-	47,876
CO	674	-	-	6,140	-	-	-	-	-	-	-	-	-	-	6,814
EL	-	-	2,227	-	-	-	-	-	-	-	-	-	-	-	2,227
HI	1,221	10,209	4,975	-	2,729	-	-	-	-	-	-	-	-	-	19,134
HM	-	-	2,227	-	-	-	-	-	-	-	-	-	-	-	2,227
POP	7,916	21,040	29,400	27,516	17,360	5,350	5,222	-	-	-	-	-	-	-	113,804
RO	1,895	3,836	26,296	14,394	8,733	9,572	-	-	-	-	-	-	-	5,242	69,968
SAS	1,895	1,485	-	-	-	-	-	-	-	-	-	-	-	-	3,380
SM	5,011	9,095	6,538	3,556	-	-	-	-	-	-	-	-	-	-	24,200
SO	1,221	2,321	-	13,252	3,411	4,310	4,559	-	-	-	-	-	-	-	29,074
WO	-	4,642	15,304	5,541	3,411	-	-	-	-	-	-	-	-	-	28,898
TOTAL	30,277	82,549	100,826	74,742	47,515	23,542	19,562	00	00	5,242	00	00	00	5,242	384,255

CRUISE DETAILS

TRACT 38

Cruise Statistics

CNX | Tract 38 | 10/9/2019 | W1645 | Point Sample

Sawtimber Statistics (based on 52 sample points)

Coefficient of Variation (CV)%: 60

Confidence Level	% of Mean	(BFV/Acre)			+/-	+/-	(Total BFV)		
		Lower CL	Mean	Upper CL			Lower CL	Total	Upper CL
99%	21.6	3,504	4,468	5,432	82,904	331,279	384,255	467,159	
95%	16.4	3,735	4,468	5,201	63,038	321,217	384,255	447,293	
90%	13.8	3,852	4,468	5,084	52,976	331,279	384,255	437,231	
80%	10.7	3,988	4,468	4,948	41,280	342,975	384,255	425,535	
70%	8.7	4,080	4,468	4,856	33,368	350,887	384,255	417,623	
68%	8.4	4,094	4,468	4,842	32,164	352,091	384,255	416,419	

Pulpwood Statistics (based on 52 sample points)

Coefficient of Variation (CV)%: 94

Confidence Level	% of Mean	(Tons/Acre)			+/-	+/-	(Total Tons)		
		Lower CL	Mean	Upper CL			Lower CL	Total	Upper CL
99%	33.5	14	21	28	602	1,206	1,808	2,410	
95%	25.5	16	21	26	456	1,352	1,808	2,264	
90%	21.4	16	21	26	387	1,421	1,808	2,195	
80%	16.7	18	21	24	301	1,507	1,808	2,109	
70%	13.5	18	21	24	241	1,567	1,808	2,049	
68%	13	18	21	24	232	1,576	1,808	2,040	

CRUISE DETAILS

TRACT 38

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BL	black locust	Robinia pseudoacacia	78
BO	black oak	Quercus velutina	78
BTA	bigtooth aspen	Populus grandidentata	78
CO	chestnut oak	Quercus prinus	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 42

Cruise Details

Tract Name:	Tract 42
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	63
Total Acres:	360
Number of Plots:	56
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 42

Cruise Summary | Sawtimber

CNX | Tract 42 | 10/9/2019 | W1654 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	53	7,196	136	114	2.3	18.5	1.6	1.4
BC	75	7,820	104	124	2.5	16	2.1	1.4
BG	31	2,697	87	43	0.8	17	1.2	0.7
BL	21	1,010	48	16	0.3	14	1	0.4
BO	152	27,530	181	437	8.6	19.5	2.1	4.3
BSW	37	3,706	100	59	1.2	15	2.2	0.7
BTA	39	8,853	227	141	2.8	18	3.5	1.1
BUC	37	2,820	76	45	0.9	15	1.5	0.7
BW	10	1,392	139	22	0.4	20	1	0.4
EL	66	3,296	50	52	1	14	1.2	1.1
HI	205	19,845	97	315	6.2	16.2	1.7	4.3
HM	160	10,436	65	166	3.3	14.8	1.4	2.9
POP	836	127,421	152	2,023	40	17	2.7	19.3
RO	176	47,523	270	754	14.9	21.5	2.4	6.1
SAS	29	831	29	13	0.3	12	1	0.4
SM	415	32,730	79	520	10.3	15.9	1.4	8.2
SO	7	3,552	507	56	1.1	24	3	0.4
WO	44	10,073	229	160	3.2	22.8	1.5	1.8
TOTAL	2,393	318,731	133	5,059	100	17.3	1.8	56

CRUISE DETAILS

TRACT 42

Stand Table | Sawtimber

CNX | Tract 42 | 10/9/2019 | W1654 | Point Sample

Species	DBH Class (inches)													Total
	12	14	16	18	20	22	24	26	28	30				
AB	-	21	-	13	10	9	-	-	-	-	-	-	-	53
BC	29	21	16	-	-	9	-	-	-	-	-	-	-	75
BG	-	21	-	-	10	-	-	-	-	-	-	-	-	31
BL	-	21	-	-	-	-	-	-	-	-	-	-	-	21
BO	29	21	16	26	30	18	7	-	5	-	-	-	-	152
BSW	-	21	16	-	-	-	-	-	-	-	-	-	-	37
BTA	-	-	16	13	10	-	-	-	-	-	-	-	-	39
BUC	-	21	16	-	-	-	-	-	-	-	-	-	-	37
BW	-	-	-	-	10	-	-	-	-	-	-	-	-	10
EL	29	21	16	-	-	-	-	-	-	-	-	-	-	66
HI	29	63	80	26	-	-	7	-	-	-	-	-	-	205
HM	29	105	-	26	-	-	-	-	-	-	-	-	-	160
POP	145	105	208	312	50	9	7	-	-	-	-	-	-	836
RO	29	-	32	-	50	36	7	12	5	5	-	-	-	176
SAS	29	-	-	-	-	-	-	-	-	-	-	-	-	29
SM	116	126	96	39	20	18	-	-	-	-	-	-	-	415
SO	-	-	-	-	-	-	7	-	-	-	-	-	-	7
WO	-	-	-	26	-	-	7	6	5	-	-	-	-	44
TOTAL	464	567	512	481	190	99	42	18	15	5	5	18	15	2,393

CRUISE DETAILS

TRACT 42

Stock Table | Sawtimber

CNX | Tract 42 | 10/9/2019 | W1654 | Point Sample

Species	DBH Class (inches)														Total
	12	14	16	18	20	22	24	26	28	30					
AB	-	1,305	-	2,088	2,320	1,483	-	-	-	-	-	-	-	-	7,196
BC	1,031	1,579	1,869	-	-	3,341	-	-	-	-	-	-	-	-	7,820
BG	-	1,305	-	-	1,392	-	-	-	-	-	-	-	-	-	2,697
BL	-	1,010	-	-	-	-	-	-	-	-	-	-	-	-	1,010
BO	458	1,305	2,127	4,176	6,261	6,682	3,101	-	3,420	-	-	-	-	-	27,530
BSW	-	1,305	2,401	-	-	-	-	-	-	-	-	-	-	-	3,706
BTA	-	-	2,578	2,954	3,321	-	-	-	-	-	-	-	-	-	8,853
BUC	-	1,305	1,515	-	-	-	-	-	-	-	-	-	-	-	2,820
BW	-	-	-	-	1,392	-	-	-	-	-	-	-	-	-	1,392
EL	831	1,305	1,160	-	-	-	-	-	-	-	-	-	-	-	3,296
HI	831	4,168	8,186	4,010	-	-	2,650	-	-	-	-	-	-	-	19,845
HM	458	6,209	-	3,769	-	-	-	-	-	-	-	-	-	-	10,436
POP	5,156	7,810	29,665	62,044	15,707	3,938	3,101	-	-	-	-	-	-	-	127,421
RO	831	-	3,996	-	14,202	10,790	3,552	6,090	3,946	4,116	-	-	-	-	47,523
SAS	831	-	-	-	-	-	-	-	-	-	-	-	-	-	831
SM	2,205	7,514	10,506	5,780	3,248	3,477	-	-	-	-	-	-	-	-	32,730
SO	-	-	-	-	-	-	3,552	-	-	-	-	-	-	-	3,552
WO	-	-	-	2,954	-	-	2,650	2,801	1,668	-	-	-	-	-	10,073
TOTAL	12,632	36,120	64,003	87,775	47,843	29,711	18,606	8,891	9,034	4,116	-	-	-	-	318,731

CRUISE DETAILS

TRACT 42

Cruise Statistics

CNX | Tract 42 | 10/9/2019 | W1654 | Point Sample

Sawtimber Statistics (based on 56 sample points)

Coefficient of Variation (CV): 71

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)		
		Lower CL	Upper CL	Mean			Lower CL	Total	Upper CL
99%	24.4	1,236	3,824	5,059	77,868	269,024	318,731	396,599	
95%	18.6	940	4,119	5,059	59,220	259,511	318,731	377,951	
90%	15.6	789	4,270	5,059	49,707	269,024	318,731	368,438	
80%	12.2	615	4,444	5,059	38,745	279,986	318,731	357,476	
70%	9.8	497	4,562	5,059	31,311	287,420	318,731	350,042	
68%	9.5	480	4,580	5,059	30,240	288,491	318,731	348,971	

CRUISE DETAILS

TRACT 42

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BL	black locust	Robinia pseudoacacia	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BUC	yellow buckeye	Aesculus octandra	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HMI	sugar maple	Acer saccharum	78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 48

Cruise Details

Tract Name:	Tract 48
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	112
Total Acres:	188
Number of Plots:	53
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 48

Cruise Summary | Sawtimber

CNX | Tract 48 | 10/9/2019 | W1648 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	80	4,349	54	39	0.7	14	1.2	0.8
BC	134	6,080	45	54	0.9	13.3	1.3	1.1
BG	70	7,837	112	70	1.2	17	2	0.8
BL	54	1,561	29	14	0.2	12	1	0.4
BO	247	33,906	137	303	5.1	18.2	1.9	3.4
BSW	151	16,356	108	146	2.5	16.8	1.8	1.9
BTA	40	2,965	74	26	0.4	14	2	0.4
BW	46	6,236	136	56	0.9	19	1.2	0.8
EL	54	1,561	29	14	0.2	12	1	0.4
HI	347	42,061	121	376	6.3	18.2	1.6	4.9
HM	202	5,181	26	46	0.8	12.5	0.8	1.5
POP	2,666	422,473	158	3,772	63.6	17.4	2.8	34.3
RO	377	55,473	147	495	8.4	18.3	2	5.3
SAS	64	6,887	108	61	1	16	2	0.8
SM	472	28,663	61	256	4.3	14.3	1.5	4.5
SYC	10	6,425	642	57	1	28	2.5	0.4
WA	84	3,074	37	27	0.5	14	0.8	0.8
WO	72	12,783	178	114	1.9	23.5	1.2	1.5
TOTAL	5,170	663,871	128	5,927	100	16.6	1.6	64

CRUISE DETAILS

TRACT 48

Stand Table | Sawtimber

CNX | Tract 48 | 10/9/2019 | W1648 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
AB	-	80	-	-	-	-	-	-	-	-	80
BC	54	80	-	-	-	-	-	-	-	-	134
BG	54	-	-	-	-	16	-	-	-	-	70
BL	54	-	-	-	-	-	-	-	-	-	54
BO	54	40	60	48	19	16	-	-	10	-	247
BSW	54	-	30	48	19	-	-	-	-	-	151
BTA	-	40	-	-	-	-	-	-	-	-	40
BW	-	-	30	-	-	16	-	-	-	-	46
EL	54	-	-	-	-	-	-	-	-	-	54
HI	-	160	30	96	19	32	-	-	10	-	347
HM	162	40	-	-	-	-	-	-	-	-	202
POP	648	640	450	384	304	192	39	-	-	9	2,666
RO	54	80	120	48	38	16	-	11	10	-	377
SAS	-	40	-	24	-	-	-	-	-	-	64
SM	162	160	150	-	-	-	-	-	-	-	472
SYC	-	-	-	-	-	-	-	-	10	-	10
WA	54	-	30	-	-	-	-	-	-	-	84
WO	-	40	-	-	-	-	-	22	10	-	72
TOTAL	1,404	1,400	900	648	399	288	39	33	50	9	5,170

CRUISE DETAILS

TRACT 48

Stock Table | Sawtimber

CNX | Tract 48 | 10/9/2019 | W1648 | Point Sample

Species	DBH Class (inches)										Total	
	12	14	16	18	20	22	24	26	28	30		
AB	-	4,349	-	-	-	-	-	-	-	-	-	4,349
BC	861	5,219	-	-	-	-	-	-	-	-	-	6,080
BG	1,561	-	-	-	-	6,276	-	-	-	-	-	7,837
BL	1,561	-	-	-	-	-	-	-	-	-	-	1,561
BO	1,561	1,898	7,355	6,314	5,056	6,276	-	-	5,446	-	-	33,906
BSW	1,937	-	3,996	6,936	3,487	-	-	-	-	-	-	16,356
BTA	-	2,965	-	-	-	-	-	-	-	-	-	2,965
BW	-	-	1,513	-	-	4,723	-	-	-	-	-	6,236
EL	1,561	-	-	-	-	-	-	-	-	-	-	1,561
HI	-	9,212	2,845	12,628	3,487	11,784	-	-	2,105	-	-	42,061
HM	3,283	1,898	-	-	-	-	-	-	-	-	-	5,181
POP	22,119	52,541	64,262	81,817	96,748	79,842	18,445	-	-	6,699	-	422,473
RO	1,561	5,416	14,348	9,686	5,230	4,723	-	7,096	7,413	-	-	55,473
SAS	-	2,965	-	3,922	-	-	-	-	-	-	-	6,887
SM	6,081	6,721	15,861	-	-	-	-	-	-	-	-	28,663
SYC	-	-	-	-	-	-	-	-	6,425	-	-	6,425
WA	1,561	-	1,513	-	-	-	-	-	-	-	-	3,074
WO	-	2,451	-	-	-	-	-	7,199	3,133	-	-	12,783
TOTAL	43,647	95,635	111,693	121,303	114,008	113,624	18,445	14,295	24,522	6,699	6,699	663,871

CRUISE DETAILS

TRACT 48

Cruise Statistics

CNX | Tract 48 | 10/9/2019 | W1648 | Point Sample

Sawtimber Statistics (based on 53 sample points)

Coefficient of Variation (CV): 68

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)		
		Lower CL	Upper CL	Mean			Lower CL	Upper CL	Total
99%	24.1	1,426	4,501	5,927	7,353	159,712	561,839	663,871	823,583
95%	18.3	1,085	4,842	5,927	7,012	121,520	542,351	663,871	785,391
90%	15.4	911	5,017	5,927	6,838	102,032	561,839	663,871	765,903
80%	12	710	5,218	5,927	6,637	79,520	584,351	663,871	743,391
70%	9.7	573	5,354	5,927	6,501	64,176	599,695	663,871	728,047
68%	9.3	554	5,374	5,927	6,481	62,048	601,823	663,871	725,919

CRUISE DETAILS

TRACT 48

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BL	black locust	Robinia pseudoacacia	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 53

Cruise Details

Tract Name:	Tract 53
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	166
Total Acres:	304
Number of Plots:	54
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 53

Cruise Summary | Sawtimber

CNX | Tract 53 | 10/9/2019 | W1646 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	563	48,987	87	295	5.6	16.3	1.4	4.4
BC	483	33,814	70	204	3.8	14.9	1.5	3.3
BG	58	2,761	48	17	0.3	14	1	0.4
BO	408	50,059	123	302	5.7	17.4	1.8	3.7
BSW	35	5,706	163	34	0.6	18	2	0.4
BTA	427	82,463	193	497	9.4	18	3.1	4.1
BUC	58	1,725	30	10	0.2	14	0.5	0.4
BW	322	23,674	74	143	2.7	15	1.5	2.2
EL	136	2,977	22	18	0.3	13	0.5	0.7
HI	556	53,043	95	320	6	15.3	2	4.1
HM	706	69,308	98	418	7.9	16.3	1.7	5.6
MXH	106	7,593	72	46	0.9	16	1.2	0.7
POP	2,110	249,659	118	1,504	28.4	16.2	2.4	16.3
RO	650	117,145	180	706	13.3	18.6	2.3	6.7
SAS	218	16,109	74	97	1.8	14.5	1.8	1.5
SM	826	74,817	91	451	8.5	15.9	1.5	6.7
SO	17	8,988	529	54	1	26	2.5	0.4
WO	114	29,770	261	179	3.4	21	2.5	1.5
TOTAL	7,793	878,598	113	5,293	100	16.7	1.7	63

CRUISE DETAILS

TRACT 53

Stand Table | Sawtimber

CNX | Tract 53 | 10/9/2019 | W1646 | Point Sample

Species	DBH Class (inches)											Total
	12	14	16	18	20	22	24	26	28	28	Total	
AB	156	174	44	105	84	-	-	-	-	-	-	563
BC	156	116	176	35	-	-	-	-	-	-	-	483
BG	-	58	-	-	-	-	-	-	-	-	-	58
BO	78	58	88	105	56	23	-	-	-	-	-	408
BSW	-	-	-	35	-	-	-	-	-	-	-	35
BTA	-	116	176	70	28	23	-	-	14	-	-	427
BUC	-	58	-	-	-	-	-	-	-	-	-	58
BW	78	174	-	70	-	-	-	-	-	-	-	322
EL	78	58	-	-	-	-	-	-	-	-	-	136
HI	78	232	176	70	-	-	-	-	-	-	-	556
HM	234	116	132	140	84	-	-	-	-	-	-	706
MXH	78	-	-	-	28	-	-	-	-	-	-	106
POP	546	754	264	315	168	46	-	17	-	-	-	2,110
RO	78	58	220	70	112	92	20	-	-	-	-	650
SAS	-	174	44	-	-	-	-	-	-	-	-	218
SM	-	290	396	140	-	-	-	-	-	-	-	826
SO	-	-	-	-	-	-	-	17	-	-	-	17
WO	-	-	44	-	56	-	-	-	14	-	-	114
TOTAL	1,560	2,436	1,760	1,155	616	184	20	34	28	28	7,793	

CRUISE DETAILS

TRACT 53

Stock Table | Sawtimber

CNX | Tract 53 | 10/9/2019 | W1646 | Point Sample

Species	DBH Class (inches)										Total
	12	14	16	18	20	22	24	26	28	30	
AB	3,522	9,893	4,139	12,664	18,769	-	-	-	-	-	48,987
BC	3,522	7,879	18,934	3,479	-	-	-	-	-	-	33,814
BG	-	2,761	-	-	-	-	-	-	-	-	2,761
BO	1,252	4,313	9,951	16,665	12,428	5,450	-	-	-	-	50,059
BSW	-	-	-	5,706	-	-	-	-	-	-	5,706
BTA	-	9,949	24,746	16,144	9,074	10,760	-	-	11,790	-	82,463
BUC	-	1,725	-	-	-	-	-	-	-	-	1,725
BW	2,270	9,088	-	12,316	-	-	-	-	-	-	23,674
EL	1,252	1,725	-	-	-	-	-	-	-	-	2,977
HI	2,270	17,541	20,916	12,316	-	-	-	-	-	-	53,043
HM	5,792	7,074	15,059	22,614	18,769	-	-	-	-	-	69,308
MXH	1,252	-	-	-	6,341	-	-	-	-	-	7,593
POP	16,046	56,706	37,120	60,711	47,880	19,890	-	11,306	-	-	249,659
RO	2,270	2,761	26,948	13,186	28,407	35,099	8,474	-	-	-	117,145
SAS	-	12,939	3,170	-	-	-	-	-	-	-	16,109
SM	-	16,967	37,253	20,597	-	-	-	-	-	-	74,817
SO	-	-	-	-	-	-	-	8,988	-	-	8,988
WO	-	-	5,108	-	16,740	-	-	-	7,922	-	29,770
TOTAL	39,448	161,321	203,344	196,398	158,408	71,199	8,474	20,294	19,712	878,598	

CRUISE DETAILS

TRACT 53

Cruise Statistics

CNX | Tract 53 | 10/9/2019 | W1646 | Point Sample

Sawtimber Statistics (based on 54 sample points)

Coefficient of Variation (CV%): 70

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)		
		Lower CL	Upper CL	Mean			Lower CL	Upper CL	Total
99%	24.6	1,302	3,991	5,293	216,132	740,652	878,598	1,094,730	
95%	18.7	990	4,302	5,293	164,340	714,258	878,598	1,042,938	
90%	15.7	831	4,462	5,293	137,946	740,652	878,598	1,016,544	
80%	12.2	648	4,645	5,293	107,568	771,030	878,598	986,166	
70%	9.9	523	4,769	5,293	86,818	791,780	878,598	965,416	
68%	9.5	505	4,787	5,293	83,830	794,768	878,598	962,428	

CRUISE DETAILS

TRACT 53

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BUC	yellow buckeye	Aesculus octandra	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 56

Cruise Details

Tract Name:	Tract 56
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	74
Total Acres:	508
Number of Plots:	51
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 56

Cruise Summary | Sawtimber

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
AB	186	10,432	56	141	3.5	14	2.2	2.4
BC	219	9,606	44	130	3.2	14.6	1.2	2.7
BG	83	5,182	62	70	1.7	16	1.2	1.2
BL	101	4,438	44	60	1.5	12.7	1.5	1.2
BSW	7	3,739	534	51	1.2	28	2	0.4
BTA	505	46,158	91	624	15.4	15.1	2.2	7.8
BW	172	18,676	109	252	6.2	16.5	1.9	3.1
EL	96	6,693	70	90	2.2	15.5	1.2	1.6
HI	142	20,222	142	273	6.7	18.5	1.8	3.1
HM	278	15,189	55	205	5.1	14.4	1.2	3.9
MXH	11	2,572	234	35	0.9	22	1.5	0.4
POP	611	83,900	137	1,134	28	17.2	2.7	11
RO	161	24,469	152	331	8.2	18.2	2	3.5
SAS	53	2,233	42	30	0.7	15	0.8	0.8
SM	465	21,012	45	284	7	14	1.1	6.3
SYC	64	10,972	171	148	3.7	21.5	1.8	1.6
WA	94	9,783	104	132	3.3	16.5	2	1.6
WO	24	4,552	190	62	1.5	22	1.5	0.8
TOTAL	3,272	299,828	92	4,052	100	17.3	1.7	53

CRUISE DETAILS

TRACT 56

Stand Table | Sawtimber

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	148	27	-	-	-	11	-	-	-	-	-	-	-	-
BC	185	27	-	-	-	-	-	-	7	-	-	-	-	-
BG	74	-	-	-	-	-	9	-	-	-	-	-	-	-
BL	74	27	-	-	-	-	-	-	-	-	-	-	-	-
BSW	-	-	-	-	-	-	-	-	7	-	-	-	-	-
BTA	185	162	84	48	26	-	-	-	-	-	-	-	-	-
BW	74	-	21	64	13	-	-	-	-	-	-	-	-	-
EL	37	27	-	32	-	-	-	-	-	-	-	-	-	-
HI	37	-	42	16	39	-	-	8	-	-	-	-	-	-
HM	111	135	21	-	-	11	-	-	-	-	-	-	-	-
MXH	-	-	-	-	-	11	-	-	-	-	-	-	-	-
POP	185	162	126	112	-	-	9	-	7	-	10	-	-	-
RO	37	-	42	48	26	-	-	8	-	-	-	-	-	-
SAS	37	-	-	16	-	-	-	-	-	-	-	-	-	-
SM	259	135	42	16	13	-	-	-	-	-	-	-	-	-
SYC	-	27	21	-	-	11	-	-	-	-	-	-	-	5
WA	37	27	21	-	-	-	9	-	-	-	-	-	-	-
WO	-	-	-	16	-	-	-	8	-	-	-	-	-	-
TOTAL	1,480	756	420	368	117	44	27	24	21	0	10	5		

CRUISE DETAILS

TRACT 56

Stand Table | Sawtimber

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

DBH Class (inches)

Species	Total
AB	186
BC	219
BG	83
BL	101
BSW	7
BTA	505
BW	172
EL	96
HI	142
HM	278
MXH	11
POP	611
RO	161
SAS	53
SM	465
SYC	64
WA	94
WO	24
TOTAL	3,272

CRUISE DETAILS

TRACT 56

Stock Table | Sawtimber

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
AB	6,836	1,683	-	-	-	1,913	-	-	-	-	-	-	-	-
BC	5,358	1,303	-	-	-	-	-	-	2,945	-	-	-	-	-
BG	1,182	-	-	-	-	-	4,000	-	-	-	-	-	-	-
BL	2,402	2,036	-	-	-	-	-	-	-	-	-	-	-	-
BSW	-	-	-	-	-	-	-	-	3,739	-	-	-	-	-
BTA	7,132	12,460	9,851	9,771	6,944	-	-	-	-	-	-	-	-	-
BW	2,180	-	1,496	11,528	3,472	-	-	-	-	-	-	-	-	-
EL	591	814	-	5,288	-	-	-	-	-	-	-	-	-	-
HI	1,072	-	5,154	2,168	8,979	-	-	2,849	-	-	-	-	-	-
HM	2,735	7,139	2,743	-	-	2,572	-	-	-	-	-	-	-	-
MXH	-	-	-	-	-	2,572	-	-	-	-	-	-	-	-
POP	7,538	12,950	17,748	25,537	-	-	5,376	-	4,411	-	10,340	-	-	-
RO	1,072	-	3,907	8,933	6,944	-	-	3,613	-	-	-	-	-	-
SAS	591	-	-	1,642	-	-	-	-	-	-	-	-	-	-
SM	6,282	8,252	3,450	1,232	1,796	-	-	-	-	-	-	-	-	-
SYC	-	2,036	1,039	-	-	3,782	-	-	-	-	-	-	4,115	-
WA	591	1,303	1,039	-	-	-	6,850	-	-	-	-	-	-	-
WO	-	-	-	3,120	-	-	-	1,432	-	-	-	-	-	-
TOTAL	45,562	49,976	46,427	69,219	28,135	10,839	16,226	7,894	11,095	00	10,340	4,115		

CRUISE DETAILS

TRACT 56

Stock Table | Sawtimber

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

DBH Class (inches)

Species	Total
AB	10,432
BC	9,606
BG	5,182
BL	4,438
BSW	3,739
BTA	46,158
BW	18,676
EL	6,693
HI	20,222
HM	15,189
MXH	2,572
POP	83,900
RO	24,469
SAS	2,233
SM	21,012
SYC	10,972
WA	9,783
WO	4,552
TOTAL	299,828

CRUISE DETAILS

TRACT 56

Cruise Statistics

CNX | Tract 56 | 10/9/2019 | W1647 | Point Sample

Sawtimber Statistics (based on 51 sample points)

Coefficient of Variation (CV): 105

Confidence Level	% of Mean	(BFV/Acre)			+/-	Mean	(Total BFV)			
		Lower CL	Upper CL	Mean			Lower CL	Upper CL	Total	
99%	38	1,541	2,510	4,052	114,034	4,052	5,593	227,012	299,828	413,862
95%	28.9	1,173	2,879	4,052	86,802	4,052	5,224	213,026	299,828	386,630
90%	24.3	984	3,067	4,052	72,816	4,052	5,036	227,012	299,828	372,644
80%	18.9	767	3,285	4,052	56,758	4,052	4,819	243,070	299,828	356,586
70%	15.3	620	3,432	4,052	45,880	4,052	4,671	253,948	299,828	345,708
68%	14.8	598	3,453	4,052	44,252	4,052	4,650	255,576	299,828	344,080

CRUISE DETAILS

TRACT 56

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BL	black locust	Robinia pseudoacacia	78
BSW	American basswood	Tilia americana	78
BTA	bigtooth aspen	Populus grandidentata	78
BW	black walnut	Juglans nigra	78
EL	elm	Ulmus spp.	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SYC	sycamore	Platanus occidentalis	78
WA	white ash	Fraxinus americana	78
WO	white oak	Quercus alba	78

CRUISE DETAILS

TRACT 59

Cruise Details

Tract Name:	Tract 59
Client Name:	CNX
Inventory Type:	Point Sample
Cruise Acres:	51
Total Acres:	249
Number of Plots:	51
BAF:	20
DBH Class:	2
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	10/2019
Date of Report:	10/9/2019



CRUISE DETAILS

TRACT 59

Cruise Summary | Sawtimber

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre
BC	66	6,337	96	124	3.6	17.2	1.2	2
BG	14	1,031	74	20	0.6	16	1	0.4
BO	40	11,151	279	219	6.4	21.6	2.1	2
BTA	110	9,165	83	180	5.3	15.7	1.5	2.7
BW	50	2,933	59	58	1.7	15.3	1	1.2
CO	141	14,555	103	285	8.4	21.5	1.1	4.3
EL	9	1,238	138	24	0.7	20	1	0.4
POP	875	105,522	121	2,069	60.5	17.3	2.1	23.1
RO	87	10,390	119	204	6	20	1.4	2.7
SM	191	11,228	59	220	6.4	16.2	0.9	4.7
WO	25	738	30	14	0.4	12	1	0.4
TOTAL	1,608	174,288	108	3,417	100	17.5	1.3	44

CRUISE DETAILS

TRACT 59

Stand Table | Sawtimber

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
BC	-	19	28	11	-	8	-	-	-	-	-	-	-	-
BG	-	-	14	-	-	-	-	-	-	-	-	-	-	-
BO	-	-	-	22	-	-	18	-	-	-	-	-	-	-
BTA	25	38	14	33	-	-	-	-	-	-	-	-	-	-
BW	25	-	14	11	-	-	-	-	-	-	-	-	-	-
CO	100	-	-	-	18	8	-	-	-	8	4	3	-	-
EL	-	-	-	-	9	-	-	-	-	-	-	-	-	-
POP	325	247	84	66	63	40	36	10	-	-	4	-	-	-
RO	25	19	14	11	9	-	6	-	-	-	-	-	-	-
SM	75	38	42	11	9	16	-	-	-	-	-	-	-	-
WO	25	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	600	361	210	165	108	72	60	10	0	8	8	3	-	-

CRUISE DETAILS

TRACT 59

Stand Table | Sawtimber

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

DBH Class (inches)

Species	36	Total
BC	-	66
BG	-	14
BO	-	40
BTA	-	110
BW	-	50
CO	-	141
EL	-	9
POP	-	875
RO	3	87
SM	-	191
WO	-	25
TOTAL	3	1,608

CRUISE DETAILS

TRACT 59

Stock Table | Sawtimber

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

Species	DBH Class (inches)													
	12	14	16	18	20	22	24	26	28	30	32	34		
BC	-	561	2,692	849	-	2,235	-	-	-	-	-	-	-	-
BG	-	-	1,031	-	-	-	-	-	-	-	-	-	-	-
BO	-	-	-	3,282	-	-	7,869	-	-	-	-	-	-	-
BTA	917	2,058	1,346	4,844	-	-	-	-	-	-	-	-	-	-
BW	738	-	1,346	849	-	-	-	-	-	-	-	-	-	-
CO	2,952	-	-	-	2,888	1,318	-	-	-	4,213	1,579	1,605	-	-
EL	-	-	-	-	1,238	-	-	-	-	-	-	-	-	-
POP	11,967	18,936	9,483	11,000	15,101	13,394	17,616	5,848	-	-	2,177	-	-	-
RO	738	898	716	1,494	2,393	-	1,865	-	-	-	-	-	-	-
SM	1,221	1,721	2,463	1,494	1,238	3,091	-	-	-	-	-	-	-	-
WO	738	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	19,271	24,174	19,077	23,812	22,858	20,038	27,350	5,848	00	4,213	3,756	1,605		

CRUISE DETAILS

TRACT 59

Stock Table | Sawtimber

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

DBH Class (inches)

Species	36	Total
BC	-	6,337
BG	-	1,031
BO	-	11,151
BTA	-	9,165
BW	-	2,933
CO	-	14,555
EL	-	1,238
POP	-	105,522
RO	2,286	10,390
SM	-	11,228
WO	-	738
TOTAL	2,286	174,288

CRUISE DETAILS

TRACT 59

Cruise Statistics

CNX | Tract 59 | 10/9/2019 | W1653 | Point Sample

Sawtimber Statistics (based on 51 sample points)

Coefficient of Variation (CV): 78

Confidence Level	% of Mean	(BFV/Acre)			Mean	Upper CL	+/-	(Total BFV)		
		Lower CL	Upper CL	+				Lower CL	Total	Upper CL
99%	28.1	960	2,457	3,417	4,378	48,960	143,025	174,288	223,248	
95%	21.4	731	2,687	3,417	4,148	37,281	137,007	174,288	211,569	
90%	17.9	613	2,804	3,417	4,031	31,263	143,025	174,288	205,551	
80%	14	478	2,940	3,417	3,895	24,378	149,910	174,288	198,666	
70%	11.3	386	3,031	3,417	3,804	19,686	154,602	174,288	193,974	
68%	10.9	373	3,045	3,417	3,790	19,023	155,265	174,288	193,311	

CRUISE DETAILS

TRACT 59

Species Codes

Code	Common Name	Scientific Name	Form Class
BC	black cherry	Prunus serotina	78
BG	blackgum	Nyssa sylvatica	78
BO	black oak	Quercus velutina	78
BTA	bigtooth aspen	Populus grandidentata	78
BW	black walnut	Juglans nigra	78
CO	chestnut oak	Quercus prinus	78
EL	elm	Ulmus spp.	78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SM	red maple	Acer rubrum	78
WO	white oak	Quercus alba	78



Tract 59



Tract 20



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