

**Some Major Rangeland  
Potential Vegetation Types and Community Classes  
in the  
Interior Columbia River Basin and Northern Great Basin**

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**A Chart Book**

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### Disclaimer

No warranty is made by the Bureau of Land Management as to the accuracy, reliability or completeness of these data for individual use or aggregate use with other data.

## Introduction

The Interior Columbia Basin Ecosystem Management Project (ICBEMP) is an interagency effort that includes the development and application of successional modeling. Two of the primary models used in this effort are the Columbia River Basin Succession Model (CRBSUM) (Keane and others 1996) and the Vegetation Dynamics Development Tool (VDDT) (Beukema and Kurz 1996). Both models are based on **succession classes**, consisting of a cover type and a structural stage, functioning within a **Potential Vegetation Type** (PVT). Fifty-five PVTs, well over 100 cover types, and 21 structural stages have been used in the CRBSUM/VDDT efforts to date.

Concurrent with the CRBSUM/VDDT efforts, the Bureau of Land Management (BLM) was developing the OAESIS Rangeland Database (Walker, 1996) from Ecological Site Inventory (ESI) (BLM 1980; BLM 1984; BLM 1991; BLM 1992; Eshelman 1989) data collected over the last two decades. As part of the OAESIS development effort, BLM's data was cross-referenced to the CRBSUM/VDDT **Potential Vegetation Types**, and **community classes** were identified to approximate the CRBSUM/VDDT **succession classes**. An initial crosswalk of **community classes** to **succession classes** is provided in appendix N of the OAESIS User's Guide.

The initial OAESIS database contained adequate data to characterize the plant community structure of some, or all, of the **community classes** that occur on 22 of the rangeland **PVTs**. These characterizations are displayed in the series of charts contained in this report.

The average composition (weighted by acres) for each **community class** of each **PVT** was compiled for nine classes of plants as shown on the legends of the individual charts. Composition is based on air-dry annual production. No effort was made to compute statistical confidence, but the number of acres inventoried for each **PVT/community class** combination is listed in the appendix. Additional information on the number of stands is contained in appendix N of the OAESIS User's Guide.

The supporting data that was compiled from OAESIS represents data for over 17 thousand individual stands of vegetation covering over 10 million acres in eastern Oregon and Washington. The size of the average stand is about 600 acres.

## Community Class Legend

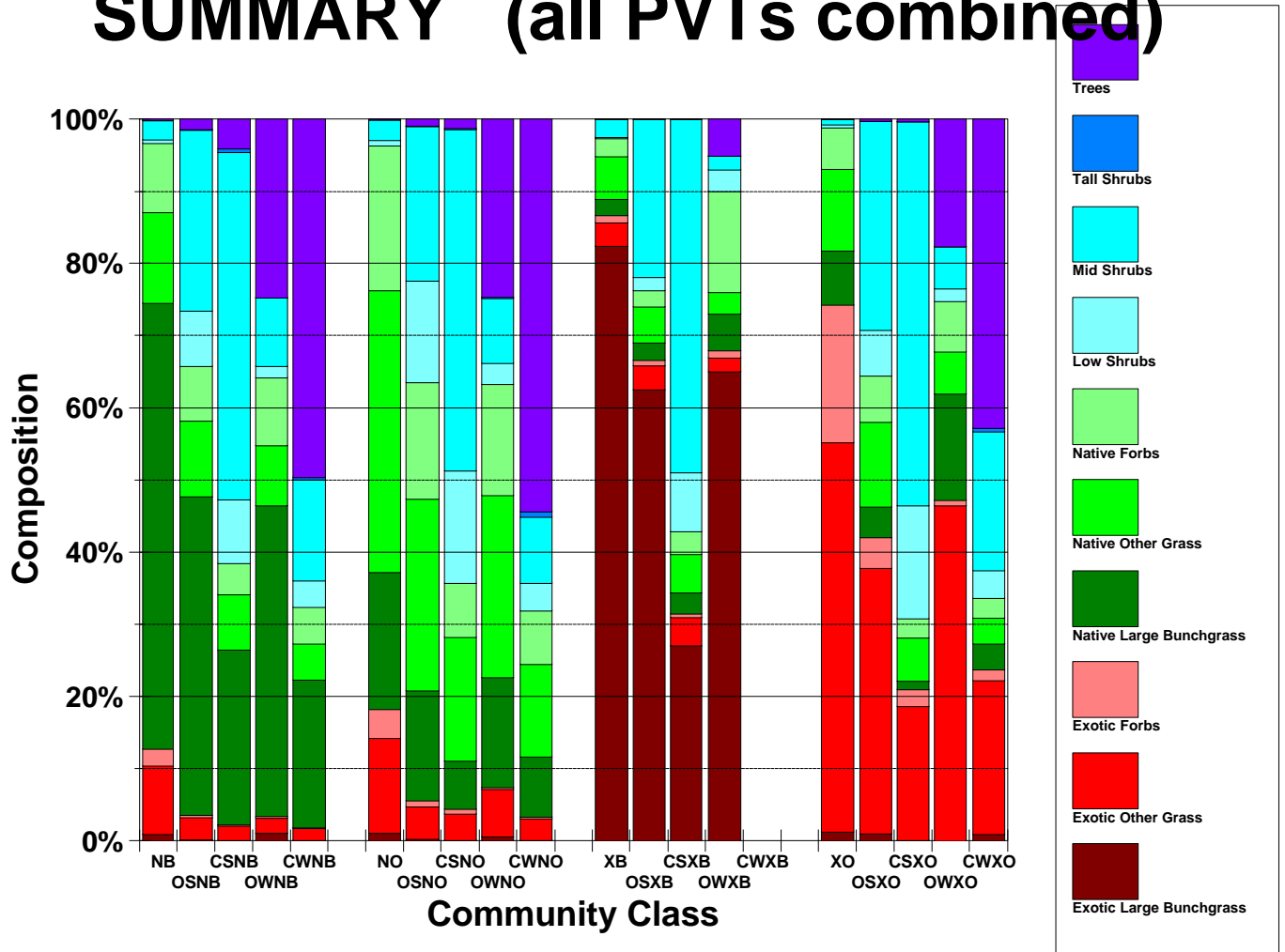
As it was not practical to show full **community class** names on the charts, abbreviations were used as follows:

<u>Abbreviation</u>	<u>Community Class</u>
NB	Native Bunchgrass
OSNB	Open Shrubland/Native Bunchgrass
CSNB	Closed Shrubland/Native Bunchgrass
OWNB	Open Woodland/ Native Bunchgrass
CWNB	Closed Woodland/Native Bunchgrass
NO	Native Other Herbaceous
OSNO	Open Shrubland/Native Other Herbaceous
CSNO	Closed Shrubland/Native Other Herbaceous
OWNO	Open Woodland/Native Other Herbaceous
CWNO	Closed Woodland/Native Other Herbaceous
XB	Exotic Bunchgrass
OSXB	Open Shrubland/Exotic Bunchgrass
CSXB	Closed Shrubland/Exotic Bunchgrass
OWXB	Open Woodland/Exotic Bunchgrass
CWXB	Closed Woodland/Exotic Bunchgrass
XO	Exotic Other Herbaceous
OSXO	Open Shrubland/Exotic Other Herbaceous
CSXO	Closed Shrubland/Exotic Other Herbaceous
OWXO	Open Woodland/Exotic Other Herbaceous
CWXO	Closed Woodland/Exotic Other Herbaceous

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- Keane, Robert E.; Long, Donald G.; Maniacs, James P.; Hand, Wended J.; Begins, Collie D. 1996. Simulating coarse-scale vegetation dynamics using the Columbia River Basin succession model -- CRBSUM. Gen. Tech. rep. IN-GAR-340. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station. 50 p.
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# SUMMARY (all PVTs combined)























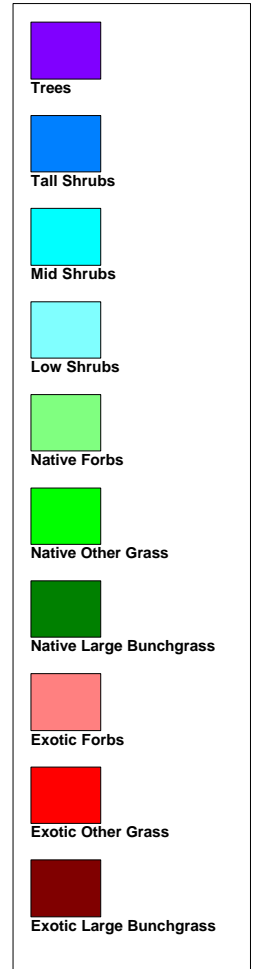
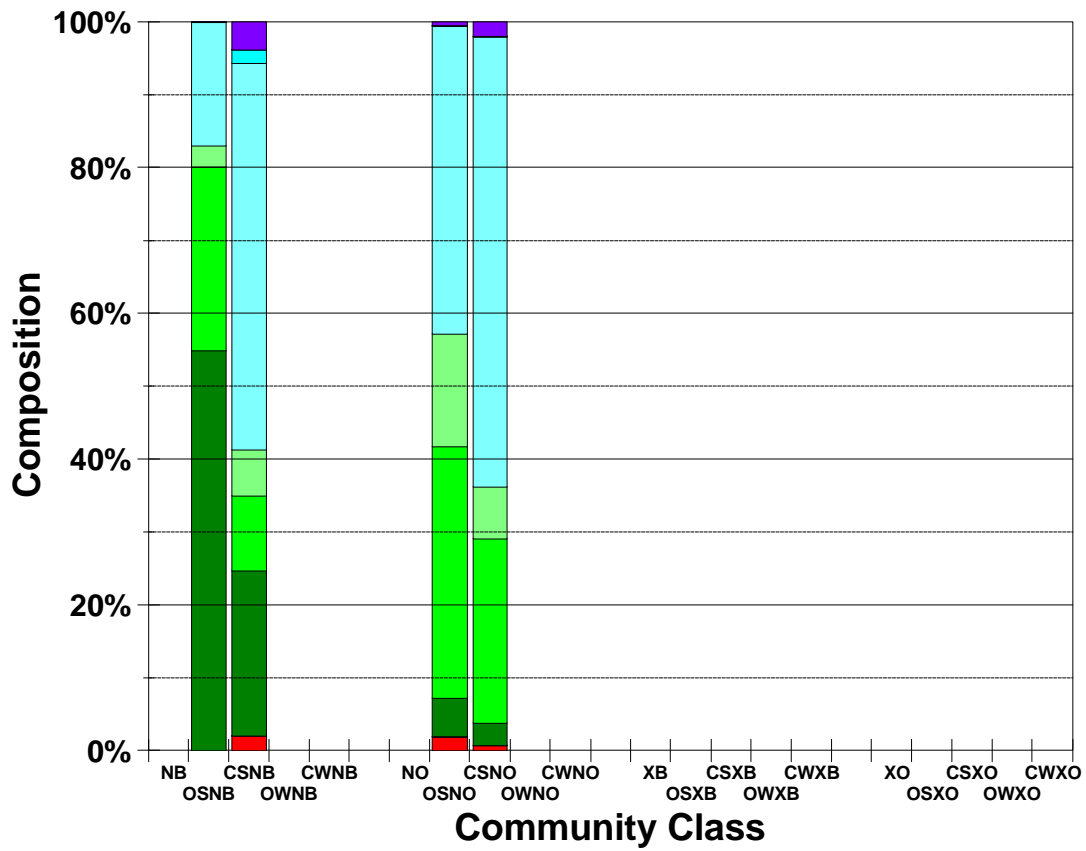




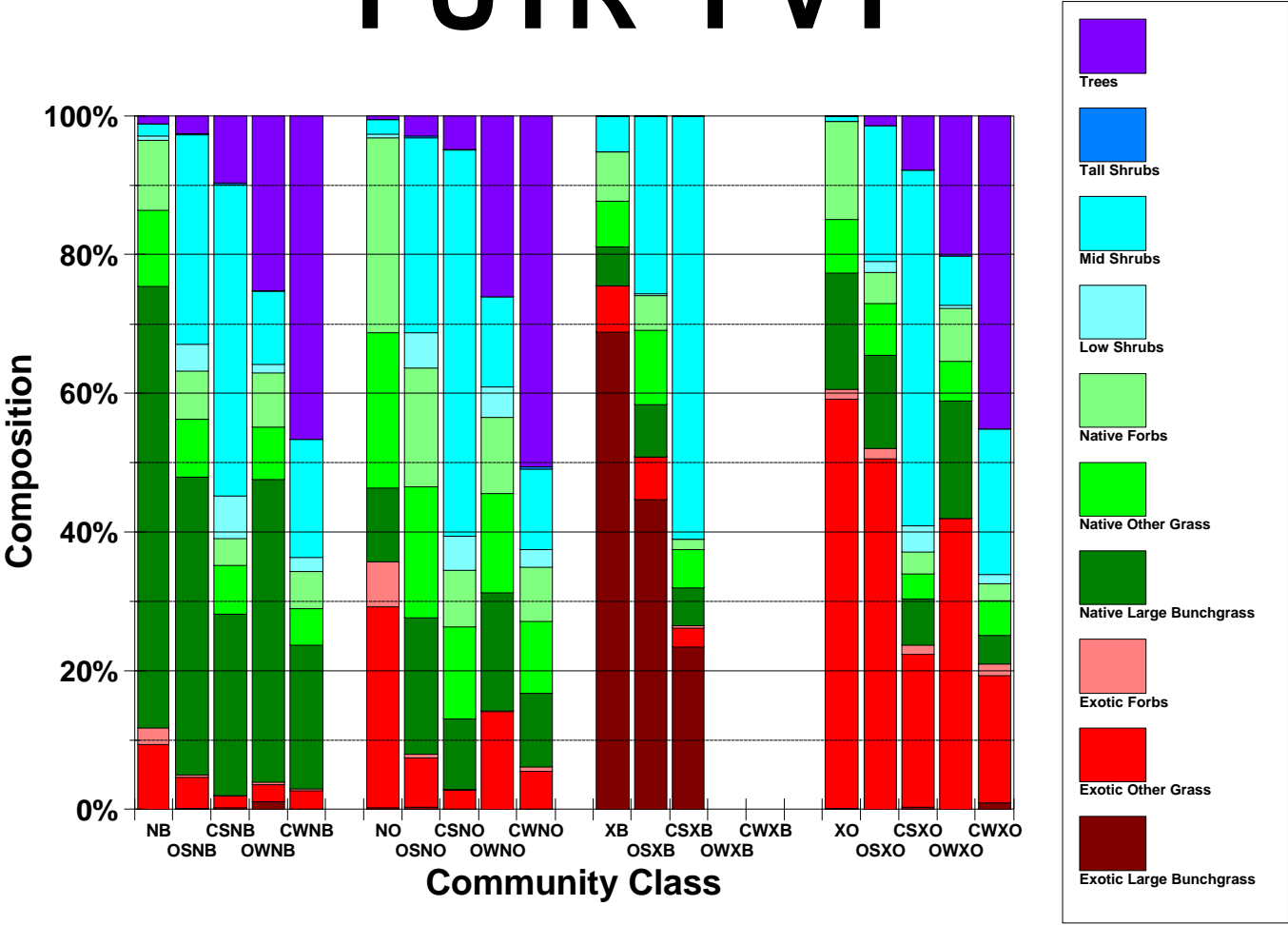




# LSXJ PVT



# PUTR PVT

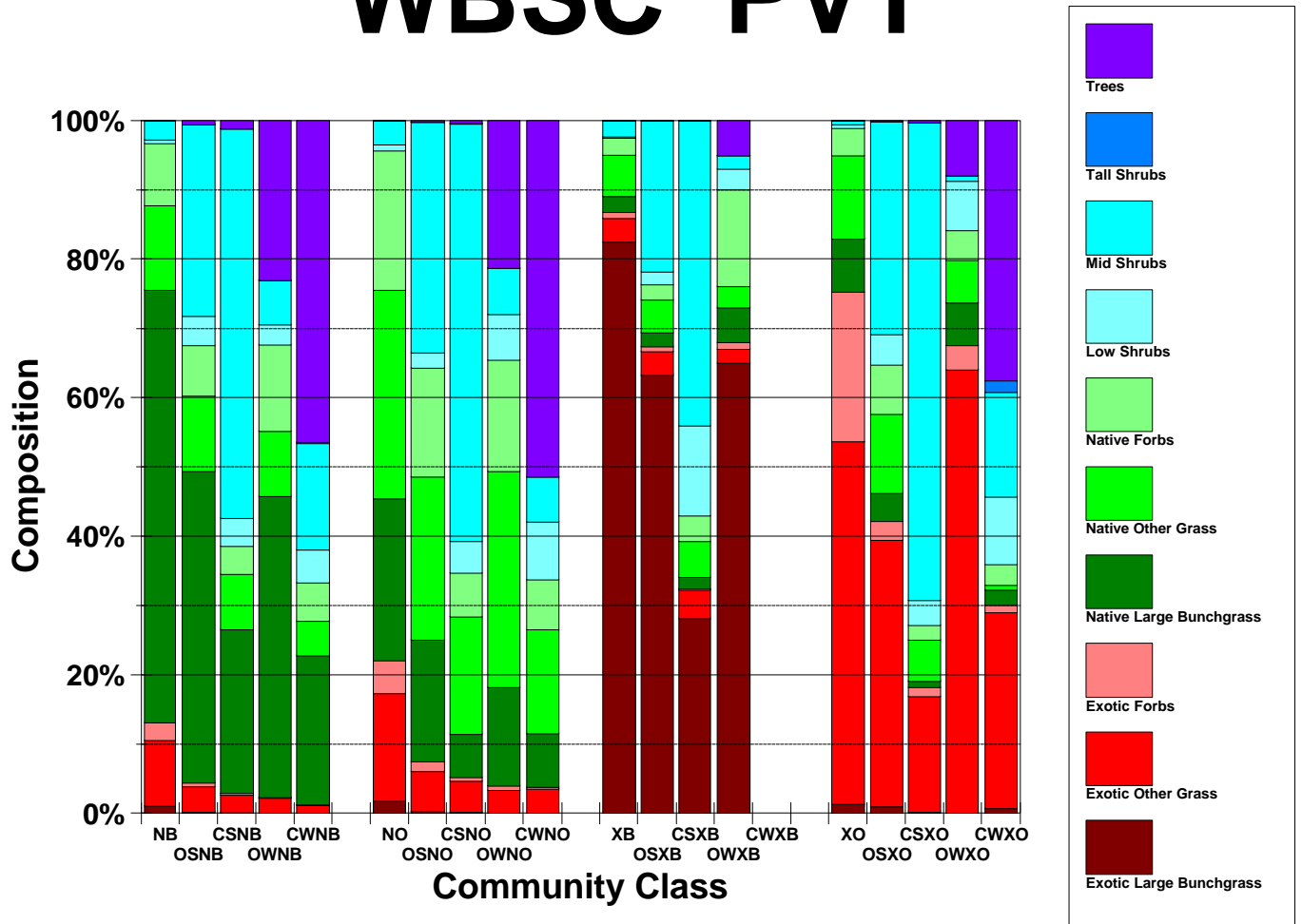








# WBSC PVT







## Appendix

### Acres by Potential Vegetation Type and Community Class

Potential Vegetation Type	Community Class	Acres
ACANA	NB	8364
	OSNB	842
	CSNB	10,272
	NO	796
	OSNO	6,136
	CSNO	18,815
	XB	157
	OSXB	813
	CSXB	254
	CSXO	395
AGST	NB	756
	OSNB	810
	CSNB	191
	OWNB	494
	CWNB	1,166
	NO	2,625
	OSNO	4,682
	CSNO	3,304
	OWNO	74
	CWNO	836
	XO	4,874
	OSXO	253
	CSXO	126
ASPEN	CSNB	1,351
	OWNB	3,453
	CWNB	7,842
	CSNO	2,803
	OWNO	4,747
	CWNO	8,772
BSBW	NB	259
	OSNB	22,226
	CSNB	20,534
	NO	962
	OSNO	10,473
	CSNO	37,877

(BSBW cont.)	XB	4,465
	OSXB	6,863
	CSXB	907
	XO	1,612
	OSXO	3,502
	CSXO	42,756
	CWXO	34
BSMJ	NB	15,293
	OSNB	259,642
	CSNB	219,530
	OWNB	9,275
	CWNB	2,135
	NO	2,634
	OSNO	155,561
	CSNO	249,394
	OWNO	4,996
	CWNO	4,795
	OSXB	96
	OSXO	2,174
	CSXO	4,664
BSMW	NB	930
	OSNB	37,633
	CSNB	32,288
	OSNO	17,370
	CSNO	21,510
	CWNO	190
	OSXO	114
	CSXO	1,449
CEW2	OSNB	1,660
	CSNB	5,981
	OSNO	4,307
	CSNO	8,398
CTRV	OSNB	2,323
	CSNB	1,839
	NO	489
	OSNO	367
	CSNO	11,645
	OSXB	114
	CSXB	1,290
	OSXO	705

(CTRV cont.)	CSXO	647
DRDFB	NB	825
	OSNB	267
	CWNB	308
	OSNO	292
	CSNO	157
	OWNO	100
	CWNO	347
FESC	NB	1,652
	OSNB	9,535
	CSNB	754
	CWNB	972
	NO	10,942
	OSNO	5,313
	CSNO	1,765
	OWNO	191
	XB	180
	XO	271
	OSXO	1,685
	CSXO	380
INTPP	NB	125
	OSNB	11,918
	CSNB	21,976
	OWNB	1,534
	CWNB	11,975
	OSNO	4,192
	CSNO	13,601
	OWNO	8,863
	CWNO	25,907
	XB	67
	OSXB	17
LSME	OSNB	104,687
	CSNB	28,641
	OSNO	94,793
	CSNO	124,348
	CSXO	4,260
LSMJ	NB	11,106
	OSNB	210,949
	CSNB	162,459
	OWNB	2,764
	CWNB	16,917
	NO	11,273
	OSNO	376,639

(LSMJ cont.)	CSNO	475,652
	OWNO	6,096
	CWNO	13,998
	XB	966
	OSXB	5,288
	OSXO	65
	CSXO	4,737
LSXE	NB	2,340
	OSNB	11,834
	CSNB	204
	OWNB	300
	CWNB	544
	NO	4,925
	OSNO	150,528
	CSNO	91,643
	OWNO	933
	CWNO	2,939
	XO	321
	OSXO	2,298
LSXJ	OSNB	406
	CSNB	978
	OSNO	7,426
	CSNO	43,706
PUTR	NB	10,792
	OSNB	215,909
	CSNB	287,548
	OWNB	53,276
	CWNB	65,768
	NO	4,473
	OSNO	80,801
	CSNO	155,069
	OWNO	14,234
	CWNO	39,202
	XB	2,728
	OSXB	1,884
	CSXB	2,375
	XO	4,142
	OSXO	6,302
	CSXO	11,221
	OWXO	441
	CWXO	12,636
SARP	NB	632
	OSNB	995

(SARP Cont.)	CSNB	20,924
	NO	19,116
	OSNO	3,200
	CSNO	77,628
	OSXB	528
	CSXO	9,129
SDSH	OSNB	34,081
	CSNB	23,259
	OSNO	31,458
	CSNO	345,183
	OSXB	84
	CSXB	395
	XO	212
	OSXO	35,673
	CSXO	200,945
TTSA	OSNB	3,015
	CSNB	605
	OSNO	224
	CSNO	107
WBSC	NB	243,015
	OSNB	806,172
	CSNB	646,737
	OWNB	16,352
	CWNB	40,235
	NO	92,507
	OSNO	699,027
	CSNO	1,634,476
	OWNO	1,685
	CWNO	11,677
	XB	229,522
	OSXB	299,682
	CSXB	8,832
	OWXB	1,873
	XO	89,936
	OSXO	129,187
	CSXO	247,196
	OWXO	114
	CWXO	5,458
WBSW	NB	11,393
	OSNB	18,129
	CSNB	814
	NO	4,053
	OSNO	20,227

(WBSW Cont.)	CSNO	2,555
	XB	100
	XO	2,242
	OSXO	2,430
	CSXO	334
WOAK	OSNB	562
	NO	877
	OSNO	136
	CSNO	435
	OWNO	4,211
	CWNO	34