Appendix D. Contingency Matrix for 2007 Illinois NASS CDL Non-Agricultural Land Cover

		Reference Data														
Classified Data	Non-Agricultural Land Cover Category		Open Water	Developed/ Open Space	Developed/ Low Intensity	Developed/ Medium Intensity	Developed/ High Intensity	Barren	Deciduous Forest	Evergreen Forest	Grassland Herbaceous	Woody Wetlands	Herbaceous Wetlands	Classified (Row) Total	User's Accuracy	Commission Error	Cond'l Kappa
		Category #	111	121	122	123	124	131	141 (63,143)	142	171 (62,152,181)	190	195 (87)				
	Open Water	111	**65**	0	0	0	0	1	0	0	1	0	5	72	90.3%	9.7%	0.89
	Developed/Open Space	121	0	**65**	2	1	1	3	0	0	1	3	0	76	85.5%	14.5%	0.84
	Developed/Low Intensity	122	0	3	**72**	1	0	0	0	0	0	0	0	76	94.7%	5.3%	0.94
	Developed/Medium Intensity	123	0	0	1	**70**	1	0	0	0	0	0	0	72	97.2%	2.8%	0.97
	Developed/High Intensity	124	0	0	0	2	**66**	3	0	0	0	0	0	71	93.0%	7.0%	0.92
	Barren	131	1	0	0	2	11	**56**	0	0	0	0	0	70	80.0%	20.0%	0.78
	Deciduous Forest	141 (63,143)	0	0	0	0	0	1	**78**	1	7	5	0	92	84.8%	15.2%	0.83
	Evergreen Forest	142	0	0	0	0	0	0	0	**70**	0	0	0	70	100.0%	0.0%	1.00
	Grassland Herbaceous	171 (62,152,181)	0	10	2	1	0	1	0	0	**65**	0	5	84	77.4%	22.6%	0.75
	Woody Wetlands	190	0	0	0	0	0	0	2	0	1	**66**	2	71	93.0%	7.0%	0.92
	Herbaceous Wetlands	195 (87)	7	0	0	0	0	0	0	0	0	6	**57**	70	81.4%	18.6%	0.80
	Reference (Column) Total		73	78	77	77	79	65	80	71	75	80	69	824			
	Producer's Accuracy		89.0%	83.3%	93.5%	90.9%	83.5%	86.2%	97.5%	98.6%	86.7%	82.5%	82.6%		730		
	Omission Error		11.0%	16.7%	6.5%	9.1%	16.5%	13.8%	2.5%	1.4%	13.3%	17.5%	17.4%			88.6%	
	Conditional Kappa		0.88	0.82	0.93	0.90	0.82	0.85	0.97	0.98	0.85	0.81	0.81				0.87

Non-Agricultural Land Cover Categories
Overall Accuracy Assessment

Number of Correct Reference Samples	730
Number of Total Reference Samples	824
Overall Percent Correct	88.6%
Overall Kappa Statistic	0.87