

Error Rate Adjustments

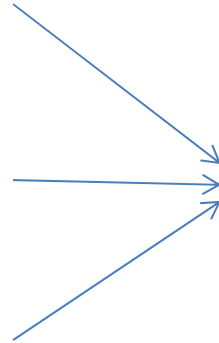
Data	Impervious*	Turf*	Forest/Wetland*	Mixed Open*	Ag**	Construction*	Water*	Total LU Acres	Total Seg Acres
MDE + Ag Census	42,366	50,706	110,539	14,437	17,903	772	4,977	241,701	258,180
P6	47,080	54,501	115,276	15,524	19,945	772	5,081	258,180	258,180
Increase	4,714	3,795	4,736	1,087	2,042	0	104	N/A	N/A
% Increase	11%	7%	4%	8%	11%	0%	2%	N/A	N/A
Notes * MDE data submission ** Ag Census									

Question: Why is impervious adjusted more than other LUs, in particular Ag, turf, and mixed open?



Obvious Answer: higher error rate; however, ag census error rate much higher than impervious error rate for county.

Phase 6 Land Use	Abbreviation	State	Accuracies
Cropland	CRP	MD	Census
Forest	FORE	MD	0.98
Impervious Non-Roads	INR	MD	0.96
Impervious Roads	IR	MD	0.91
Mixed Open	MO	MD	Census
Pasture	PAS	MD	Census
Tree Canopy over Impervious	TCI	MD	0.92
Tree Canopy over Turf	TCT	MD	0.97
Turf Grass	TG	MD	Census
Water	WAT	MD	0.99
Wetlands_Floodplain	WLF	MD	0.95
Wetlands_Other	WLO	MD	0.95



AA County Ag Census
error rate = 24%;
accuracy rate = 76%

Solution

If issue is due to adjustment methods, and this can be fixed, we don't have a problem; however, if impervious is also being adjusted more than other LU types, because 2 impervious classifications (impervious roads and tree canopy over impervious) have higher error rates than forest, wetland, etc., we might prefer to use our MDE specific error rates for impervious surface, rather than Peter's.