

variable	units	q10	q50	q90	q10_q90_ratio	n
tp	ug/l	11	32	130	12	928
tn	ug/l	470	990	2400	5	794
no2no3	ug/l	10	85	920	92	658
chla	ug/l	2	11	58	23	936
iws_ha	hectares	150	980	12000	86	982
lake_area_ha	hectares	13	64	530	39	982
maxdepth	ug/l	4	9	20	6	982
iwsla_ratio		3	15	75	23	982
hu12_ppt_mean	ug/l	790	910	1100	1	981
hu12_ppt_std	ug/l	2	4	15	10	981
hu12_baseflow_mean	ug/l	15	49	71	5	981
hu4_nitrogen_atmospheric_deposition	ug/l	4	5	6	2	982
nitrogen_fertilizer_use	kg/ha	25	55	180	7	941
phosphorus_fertilizer_use	kg/ha	5	10	32	6	941
nitrogen_livestock_manure	kg/ha	12	27	78	7	941
phosphorus_livestock_manure	kg/ha	3	7	20	6	941
nitrogen_atmospheric_deposition	kg/ha	4	6	8	2	941
n_input	kg/ha	50	87	260	5	941
p_input	kg/ha	9	17	51	5	941
wetland_potential	percent	1	15	38	35	939
soil_org_carbon	mean	2000	4000	6600	3	939
nonag	percent	22	58	86	4	981
nonnatural	percent	21	56	87	4	981
natural	percent	13	44	79	6	981
ag	percent	14	42	78	6	981
forest	percent	5	25	61	12	981
pasture	percent	3	14	38	12	980
nfixer	percent	0	8	27	155	982
corn	percent	0	7	31	91	938
developed	percent	4	7	20	6	979
water	percent	2	6	24	16	981
soybeans	percent	0	5	27	250	874
wetlands	percent	0	3	15	182	946
forage	percent	0	2	22	296	982

category	ag	example	code
corn	ag	Corn	1
forage	ag	Sorghum	4
soybeans	ag	Soybeans	5
pasture	ag	Grass/Pasture	176
other ag	ag	Nectarines	218
mixed crop	ag	Dbl Crop Soybeans/Cotton	239
wheat	ag	Non-Irrigated Dbl. Crop Winter Wheat Soybeans	255
background	nonag	Background	0
other non ag	nonag	Barren	65
water	nonag	Water	83
developed	nonag	Developed/Med Intensity	123
forest	nonag	Evergreen Forest	142
wetlands	nonag	Woody Wetlands	190

Table 2: CDL summary statistics

	Quantiles		
	5%	50%	95%
ag	34	58	86.0
corn	3	14	44.2
developed	3	7	23.0
forage	0	2	14.0
forest	2	15	40.0
mixed.crop	1	3	11.2
nonag	14	42	66.0
other	0	0	2.0
other.ag	1	2	18.0
other.non.ag	1	1	3.0
pasture	4	19	55.0
soybeans	1	11	35.0
water	1	6	32.0
wetlands	1	4	18.0
wheat	1	2	7.0

response	term	$R^2$	LOO-ELPD
tp	forest	0.63	0.00
tp	wetlands	0.62	-0.33
tp	corn	0.62	-0.49
tp	soybeans	0.62	-0.52
tp	pasture	0.62	-0.76
tp	ag	0.62	-0.79
tn	ag	0.57	0.00
tn	forest	0.53	-29.85
tn	corn	0.59	-30.82
tn	soybeans	0.53	-44.91
tn	pasture	0.53	-47.18
tn	wetlands	0.52	-47.42