

Class 1 ($2.89 \leq \text{chl-a} \leq 22.83 \text{ mg/m}^3$)

Algorithms	Fit	N _{total}	MSI				Coefficients	
			Sentinel-2 Bands	MAPE	R ²	RMSE		NRMSE
2-band ratios	Lin	25	B5, B4	36.49	0.61	5.59	28.20	(52.30 -35.86)
	Pol			42.20	0.49	4.66	23.51	(-138.70 298.12 -143.07)
	Exp			53.26	0.63	5.48	27.66	(1.09 2.44)
Gilerson et al. (2010)	Lin	25	B5, B4	37.27	0.77	5.29	26.67	(0.61 -0.92)
	Pol			42.45	0.68	3.98	20.06	(-0.030 2.08 -15.36)
	Exp			54.36	0.41	7.02	35.43	(3.48 0.064)
Gitelson et al. (2011)	Lin	25	B4, B5, B6	34.36	0.78	5.34	26.78	(74.35 13.31)
	Pol			39.76	0.56	6.22	31.38	(-449.03 10.33 12.97)
	Exp			42.59	0.73	3.96	19.96	(13.74 6.05)
Gower et al. (2005)	Lin	25	B4, B5, B6	43.95	0.88	4.96	25.02	(5764.84 3.98)
	Pol			45.01	0.40	4.97	25.10	(-5.25516164e+06 1.858304e+04 -0.65)
	Exp			54.83	0.68	4.32	21.81	(7.11 417.98)
Mishra and Mishra (2012)	Lin	25	B5, B4	36.37	0.65	5.57	28.11	(81.34 13.91)
	Pol			40.93	0.16	7.22	36.43	(200.49 118.02 16.29)
	Exp			49.13	0.92	4.42	22.32	(13.29 4.31)
Mishra and Mishra (2010)	Lin	25	B5, B4	59.44	0.40	4.89	24.66	(2.4456571e+05 14.23)
	Pol			61.29	0.20	6.61	33.36	(4.54828040e+09 3.88439788e+05 13.47)
	Exp			59.00	0.66	6.05	30.50	(12.35 1.780692e+04)

Class 2 ($19.51 \leq \text{chl-a} \leq 87.63 \text{ mg/m}^3$)

Algorithms	Fit	N _{total}	MSI				Coefficients	
			Sentinel-2 Bands	MAPE	R ²	RMSE		NRMSE
2-band ratios	Lin	22	B5, B4	25.58	0.23	17.79	26.90	(71.17 -58.74)
	Pol			26.15	0.81	16.22	24.52	(-4.77 52.71 -22.14)
	Exp			25.23	0.30	19.94	30.15	(5.69 1.35)
Gilerson et al. (2010)	Lin	22	B5, B4	25.29	0.13	18.56	28.06	(1.18 -15.37)
	Pol			26.40	0.46	16.82	25.44	(-0.0046 1.55 -20.27)
	Exp			25.45	0.66	15.88	24.01	(15.82 0.021)
Gitelson et al. (2011)	Lin	22	B4, B5, B6	25.37	0.47	21.87	33.06	(122.40 21.60)
	Pol			24.81	0.76	14.28	21.59	(-517.47 317.66 11.48)
	Exp			27.08	0.65	15.75	23.82	(31.30 2.02)
	Lin	22	B4, B5, B6	30.55	0.85	12.57	19.00	(6729.81 19.64)

Gower et al. (2005)	Pol			27.57	0.74	18.75	28.35	(3.27900851e+06 -1.895874e+04 63.06)
	Exp			27.32	0.44	15.37	23.25	(23.13 163.64)
Mishra and Mishra (2012)	Lin			27.52	0.65	12.91	19.53	(200.34 12.47)
	Pol	22	B5, B4	24.93	0.82	11.77	17.79	(732.89 -102.78 39.66)
	Exp			24.95	0.82	10.95	16.56	(23.91 3.34)
Mishra and Mishra (2010)	Lin			23.50	0.40	18.40	27.83	(3.8366962e+05 17.40)
	Pol	22	B5, B4	23.50	0.40	18.40	27.83	(1.00 3.8366962e+05 17.40)
	Exp			23.35	0.93	12.09	19.05	(30.67 5682.47)

Class 3_600 (75.89 ≤ chl-a ≤ 600 mg/m³)

Algorithms	Fit	N _{total}	MSI				NRMSE	coefficients
			Sentinel-2 Bands	MAPE	R ²	RMSE		
2-band ratios	Lin			26.66	0.84	70.53	16.86	(858.73 -670.80)
	Pol	18	B5, B3	25.02	0.86	66.23	15.83	(1085.31 -1594.42 668.33)
	Exp			21.40	0.82	47.22	14.40	(4.66 3.53)
2-band ratios	Lin			16.77	0.53	41.56	9.94	(450.01 -53.88)
	Pol	18	B6, B3	21.73	0.95	39.05	9.33	(-90.47 549.72 -61.24)
	Exp			26.70	0.48	37.06	8.86	(94.33 1.35)
2-band ratios	Lin			15.07	0.75	66.13	15.81	(205.67 -83.47)
	Pol	18	B6, B4	29.04	0.60	160.80	38.44	(-66.86 333.69 -133.16)
	Exp			29.83	0.95	49.84	11.91	(95.46 0.58)
Gitelson et al. (2011)	Lin			31.00	0.71	129.49	30.96	(261.31 -42.13)
	Pol	18	B4, B5, B6	33.03	0.31	101.92	24.37	(7.61 250.50 -7.99)
	Exp			33.70	0.23	82.41	19.70	(105.32 0.80)
Mishra and Mishra (2012)	Lin			32.14	0.77	96.28	23.02	(602.93 126.32)
	Pol	18	B6, B4	28.37	0.65	80.89	19.34	(885.87 367.89 125.22)
	Exp			16.02	0.92	38.77	9.27	(134.13 2.89)
Mishra and Mishra (2010)	Lin			29.81	0.91	93.64	22.38	(5.3653084e+05 -13.34)
	Pol	18	B5, B4	33.82	0.84	78.17	18.69	(-6.75056528e+08 1.36528427e+06 -204.62)
	Exp			28.52	0.77	111.03	26.54	(104.04 1595.42)
Mishra and Mishra (2010)	Lin			25.51	0.72	103.01	24.63	(1.11636144e+06 138.49)
	Pol	18	B6, B4	24.34	0.91	98.59	23.57	(1.00 1.15847162e+06 139.06)
	Exp			32.76	0.95	71.87	17.18	(187.64 2250.15)

Class 3_1000 (75.89 ≤ chl-a ≤ 1000 mg/m³)

Algorithms	Fit	N _{total}	MSI		MAPE	R ²	RMSE	NRMSE	Coefficients
			Sentinel-2	Bands					
2-band ratios	Lin	22	B5, B3		36.47	0.90	78.78	14.89	(1086.93 -900.92)
	Pol			30.74	0.83	63.68	12.04	(172.55 719.94 -709.69)	
	Exp			33.99	0.86	227.15	42.94	(19.63 2.28)	
2-band ratios	Lin	22	B6, B3		25.69	0.78	145.74	27.55	(345.62 5.29)
	Pol			20.12	0.98	58.90	7.92	(-157.72 810.11 -199.10)	
	Exp			46.14	0.95	146.72	27.73	(185.09 0.57)	
2-band ratios	Lin	22	B6, B4		26.17	0.74	136.79	25.86	(156.64 1.92)
	Pol			30.38	0.98	63.45	11.99	(-38.34 426.52 -293.38)	
	Exp			53.93	0.85	240.48	45.46	(163.59 0.34)	
Gitelson et al. (2011)	Lin	22	B4, B5, B6		36.62	0.58	99.15	18.74	(208.29 52.41)
	Pol			35.17	0.66	120.79	22.83	(-52.87 460.51 -124.15)	
	Exp			61.87	0.63	162.52	30.72	(205.69 0.34)	
Mishra and Mishra (2012)	Lin	22	B6, B4		35.80	0.60	86.10	16.28	(1022.17 102.63)
	Pol			29.91	0.91	94.06	17.78	(830.93 581.87 113.83)	
	Exp			21.65	0.99	41.42	7.83	(162.66 2.46)	
Mishra and Mishra (2010)	Lin	22	B5, B4		32.56	0.83	93.93	17.76	(8.4252164e+05 -74.79)
	Pol			34.04	0.79	176.33	33.33	(4.47478955e+08 4.2784634e+05 -23.21)	
	Exp			38.39	0.67	85.08	16.08	(137.60 1671.75)	
Mishra and Mishra (2010)	Lin	22	B6, B4		31.79	0.91	103.82	19.63	(6.0723010e+05 204.36)
	Pol			26.99	0.86	117.36	22.18	(1.00 6.2456403e+05 179.46)	
	Exp			77.17	0.73	215.81	40.80	(240.05 1028.64)	