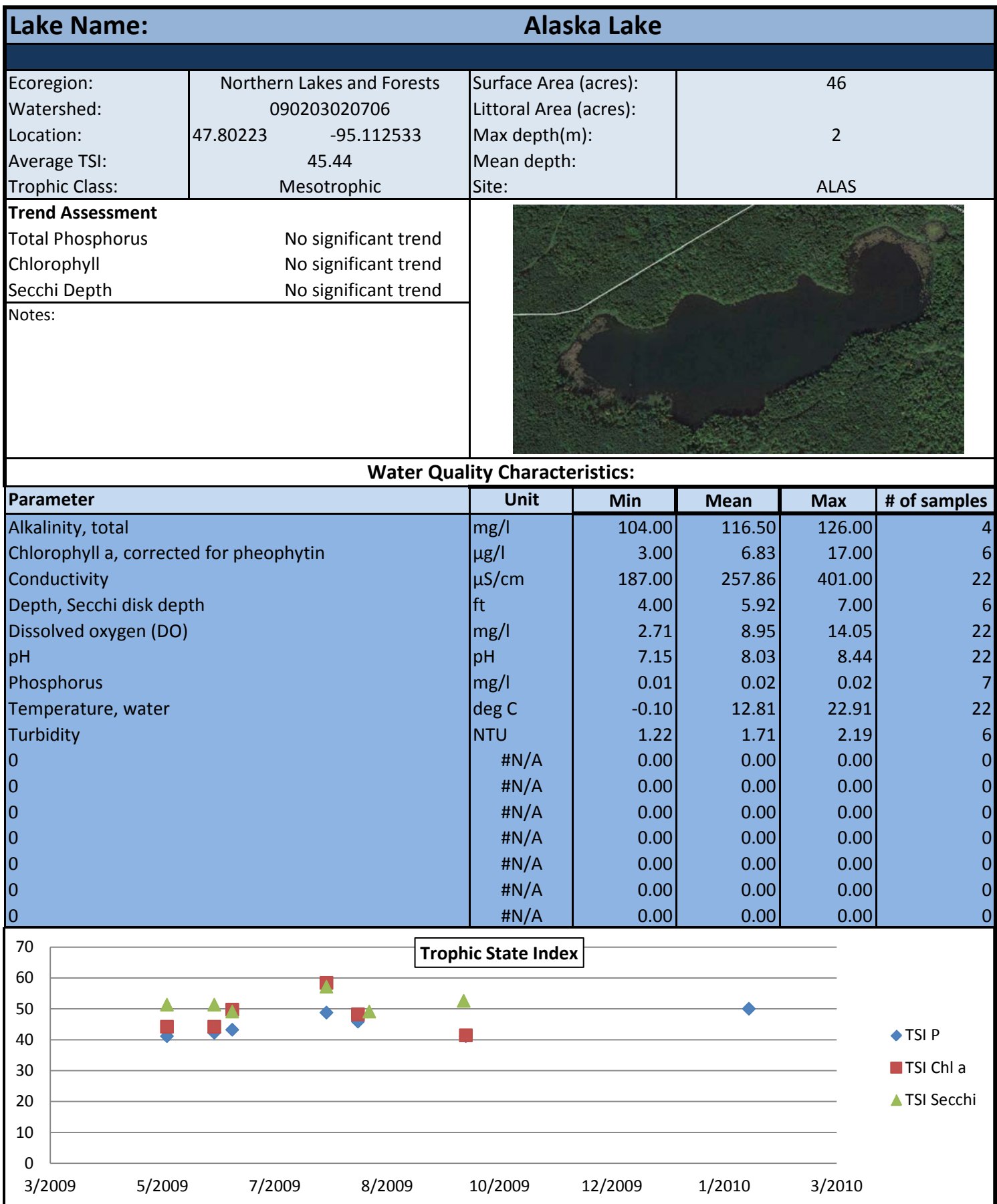
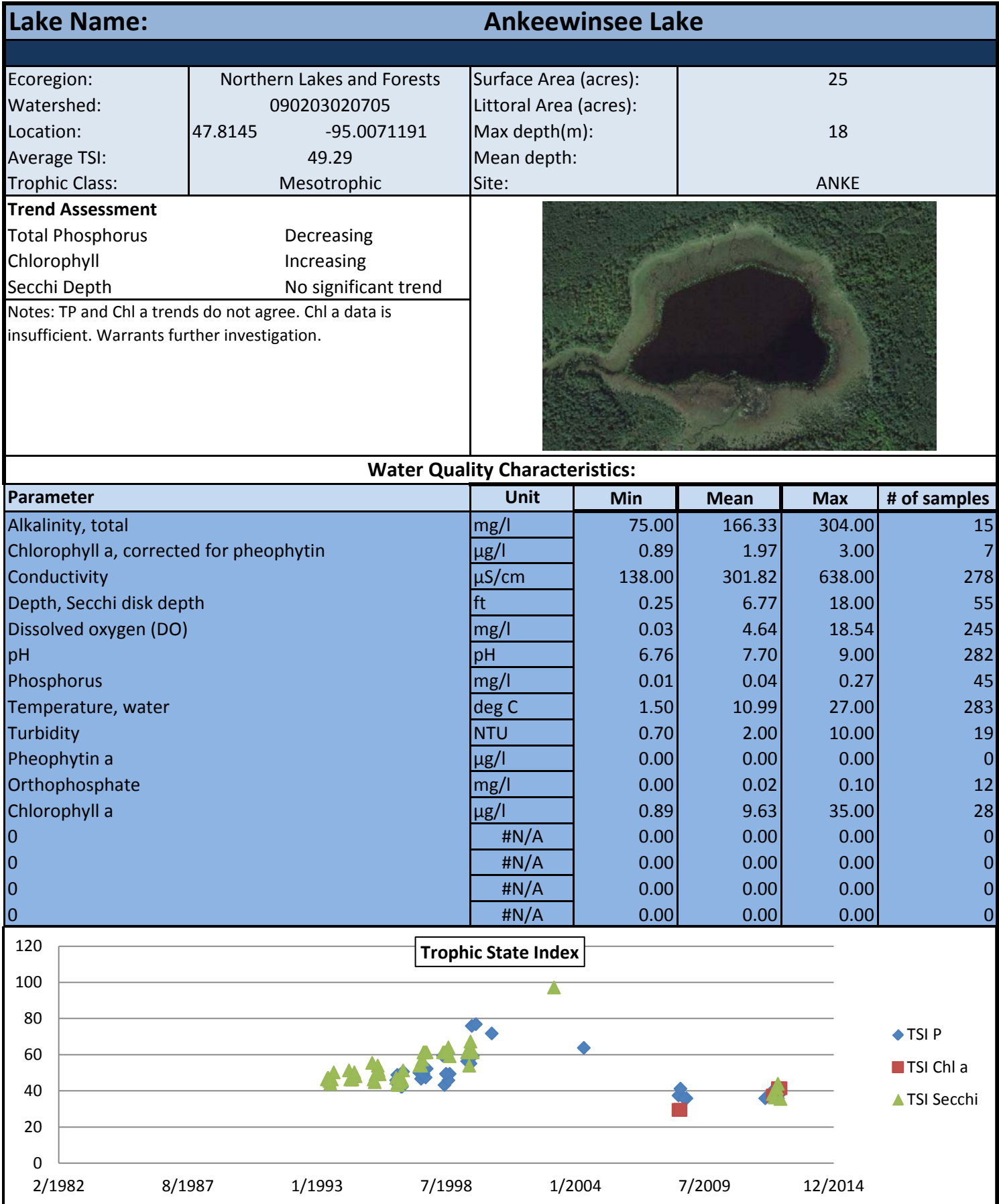
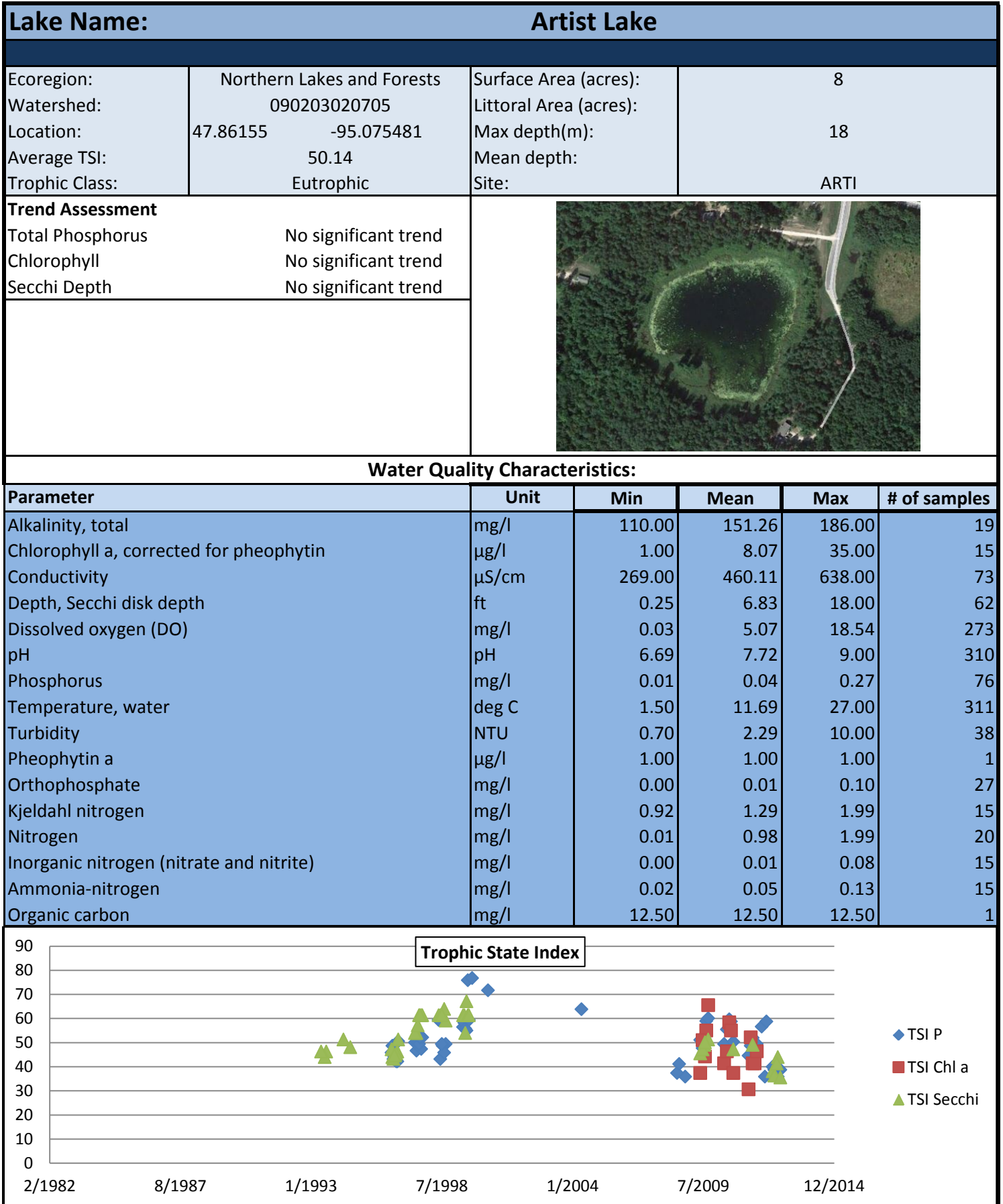
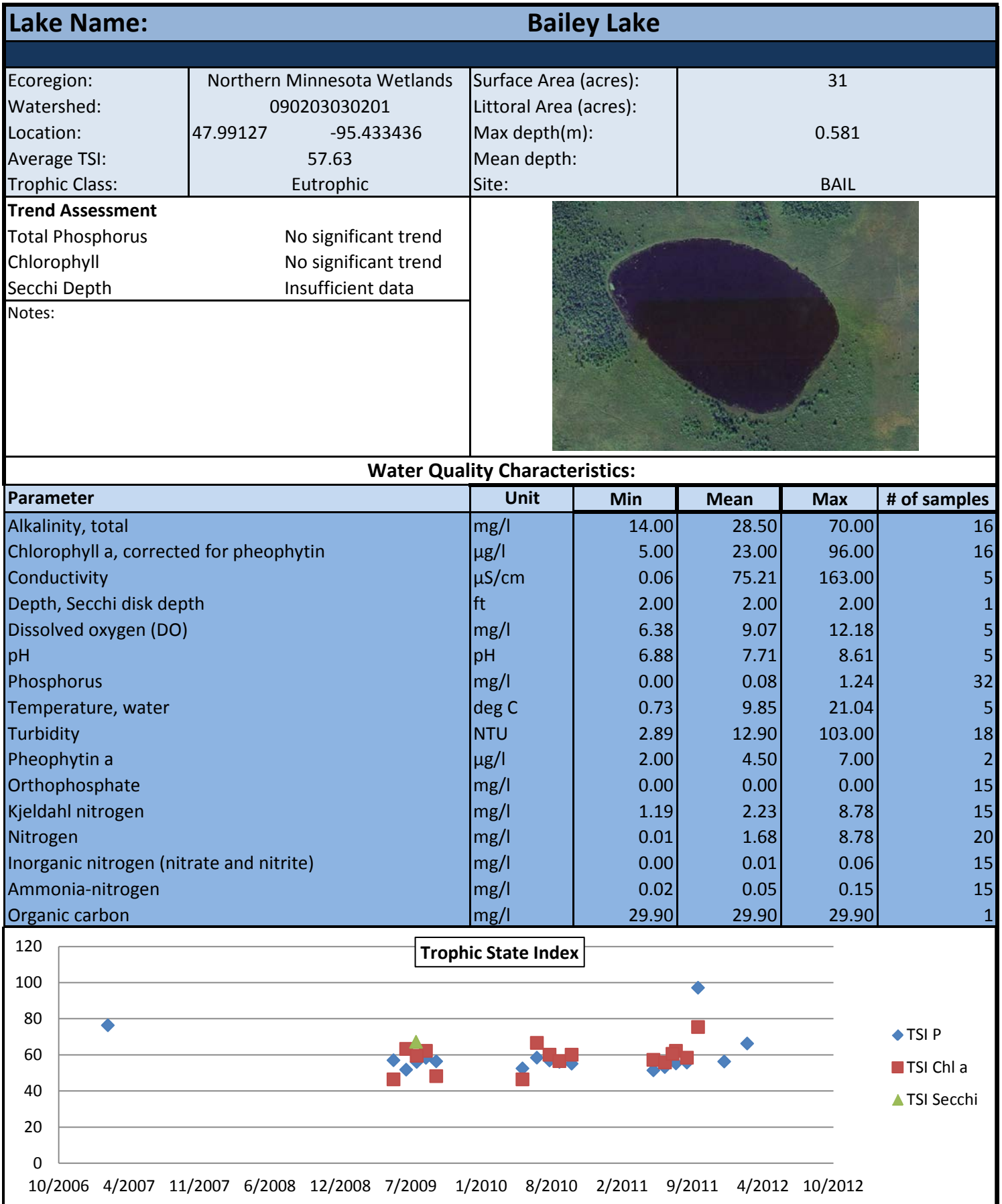
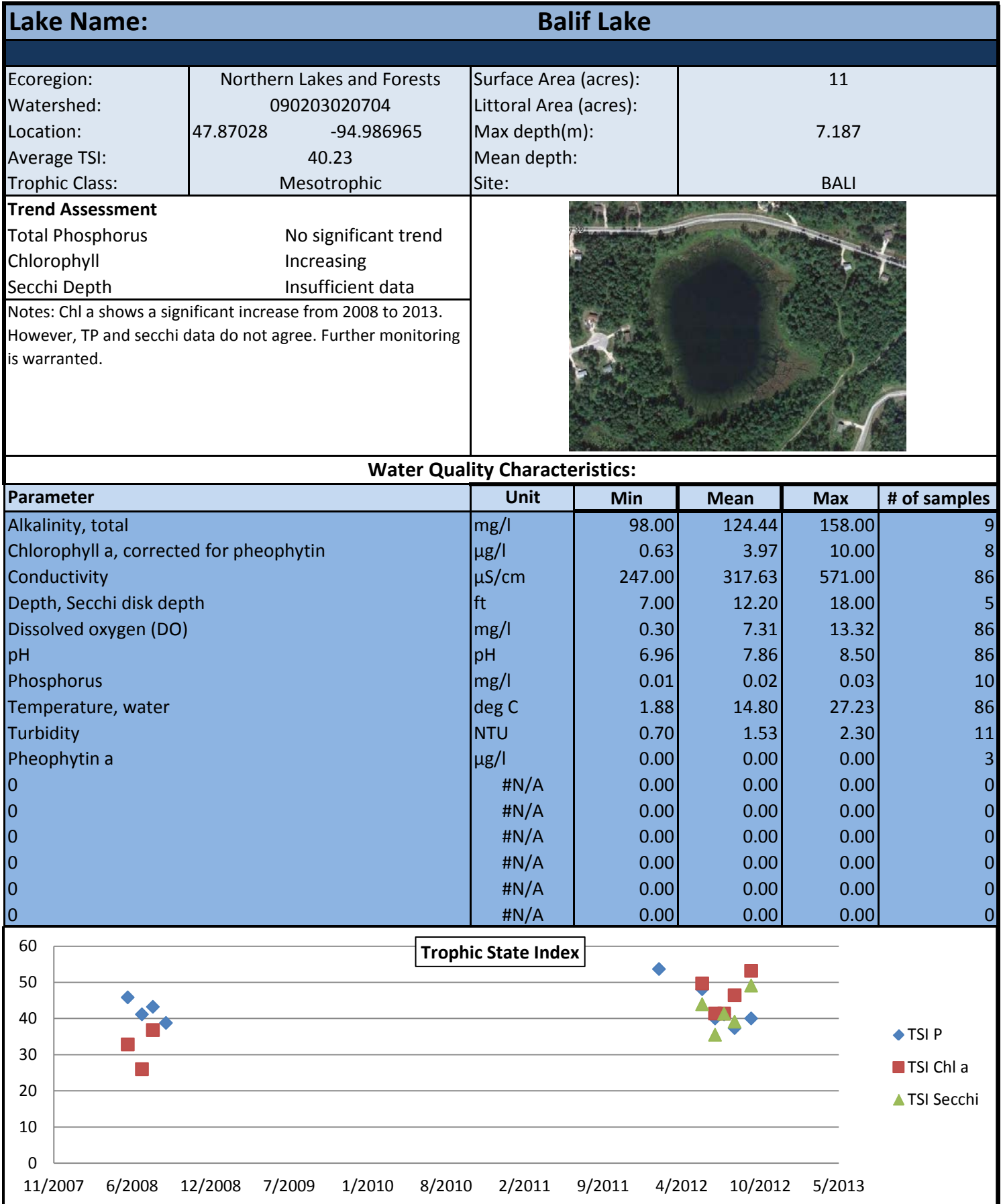


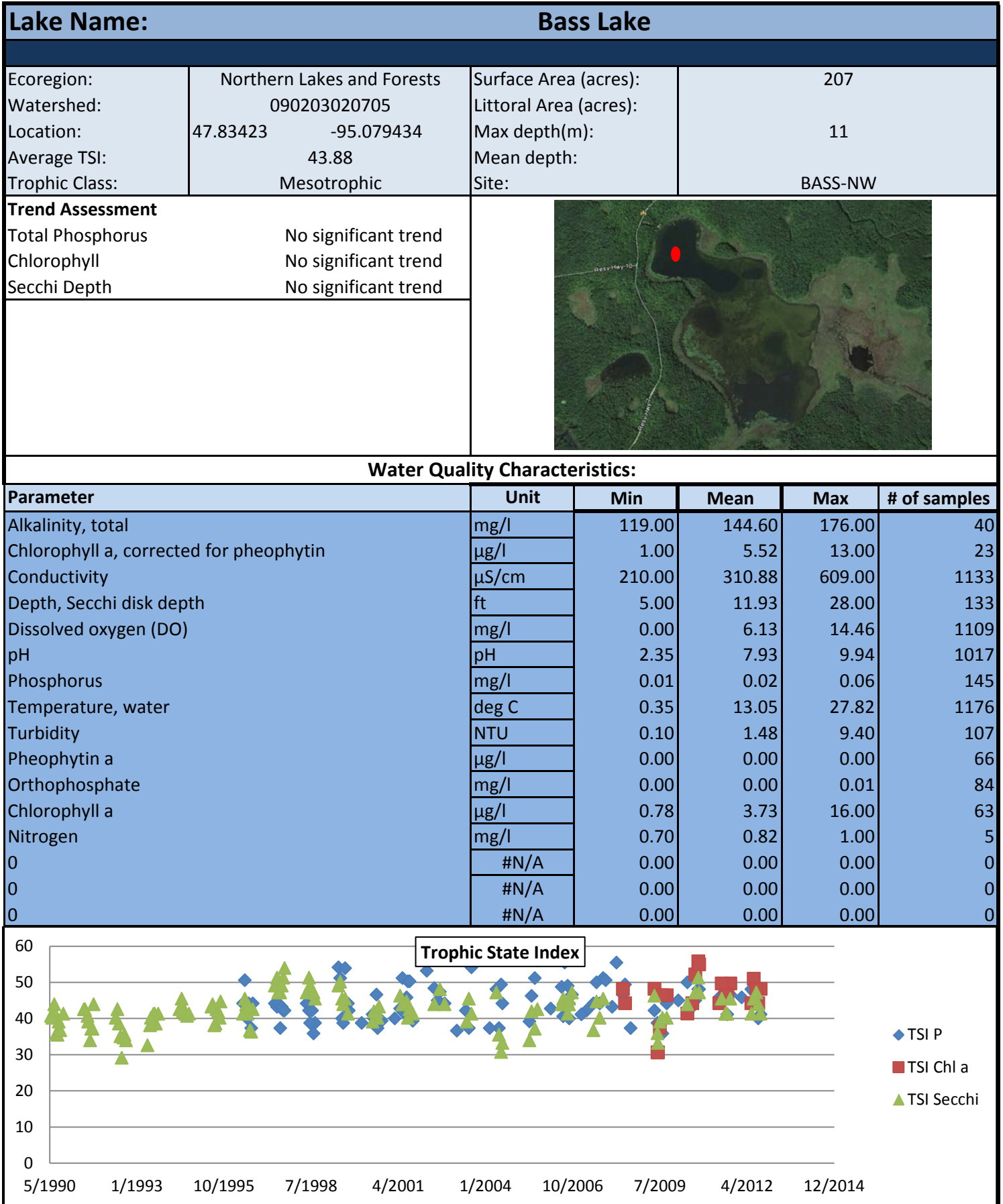


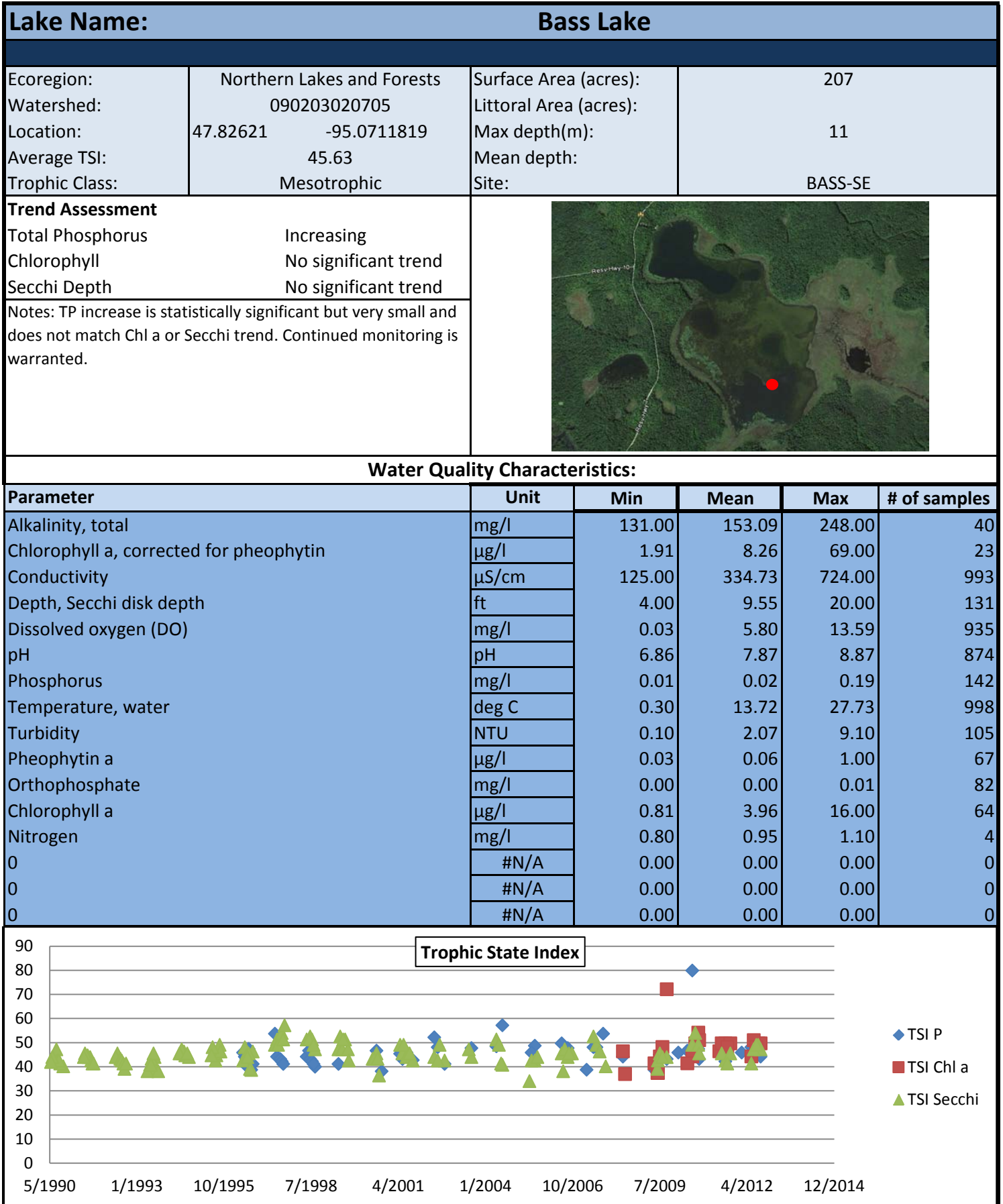






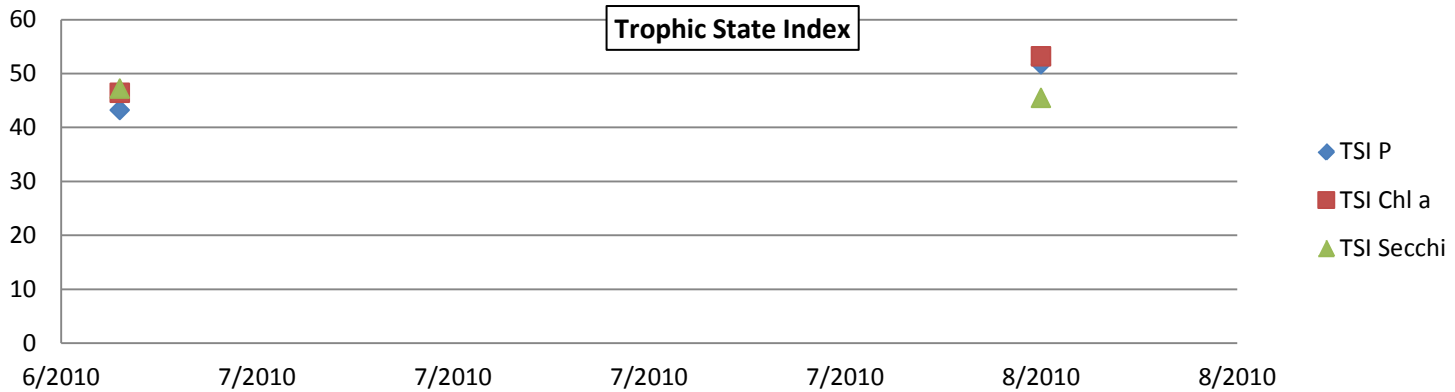




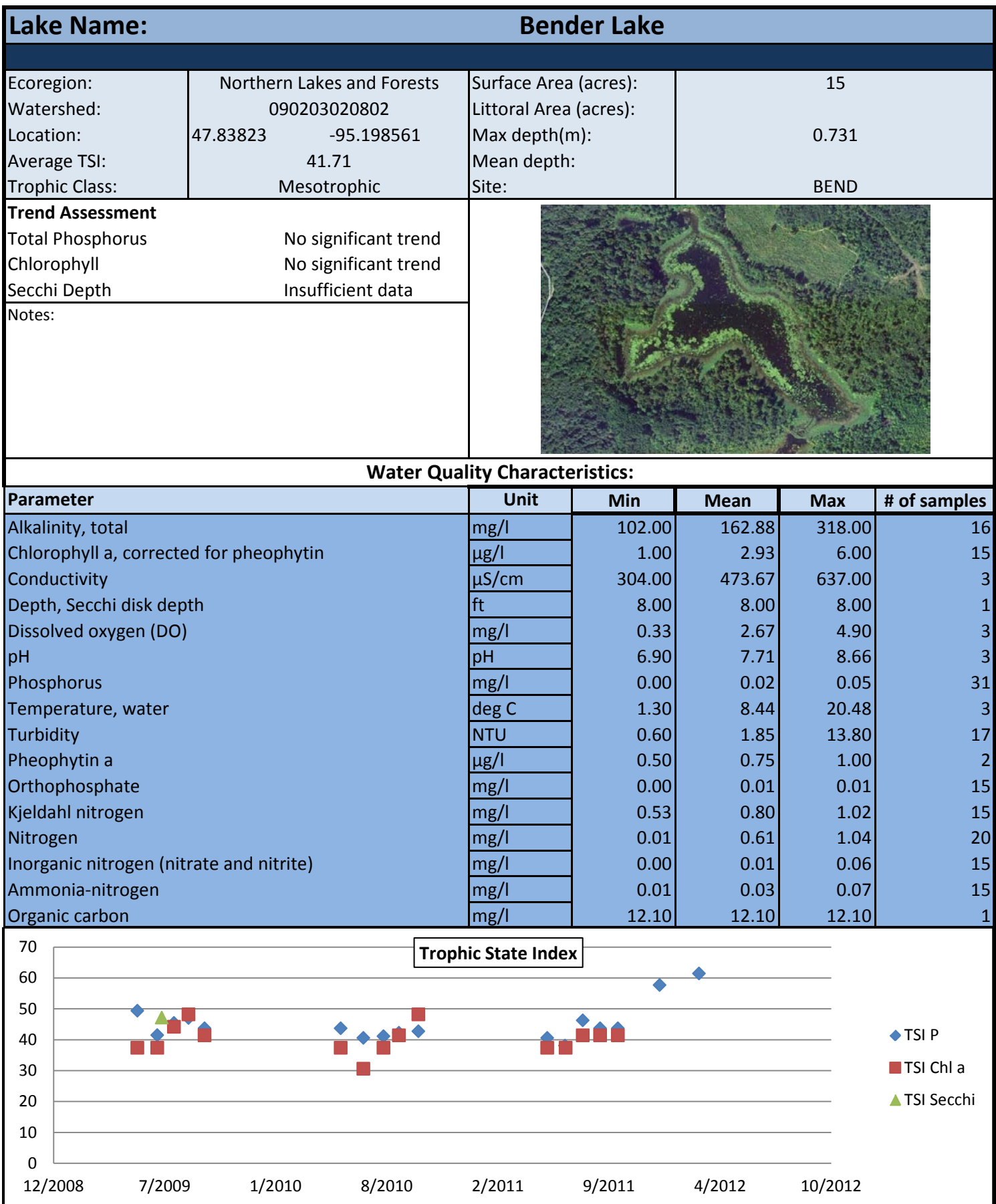


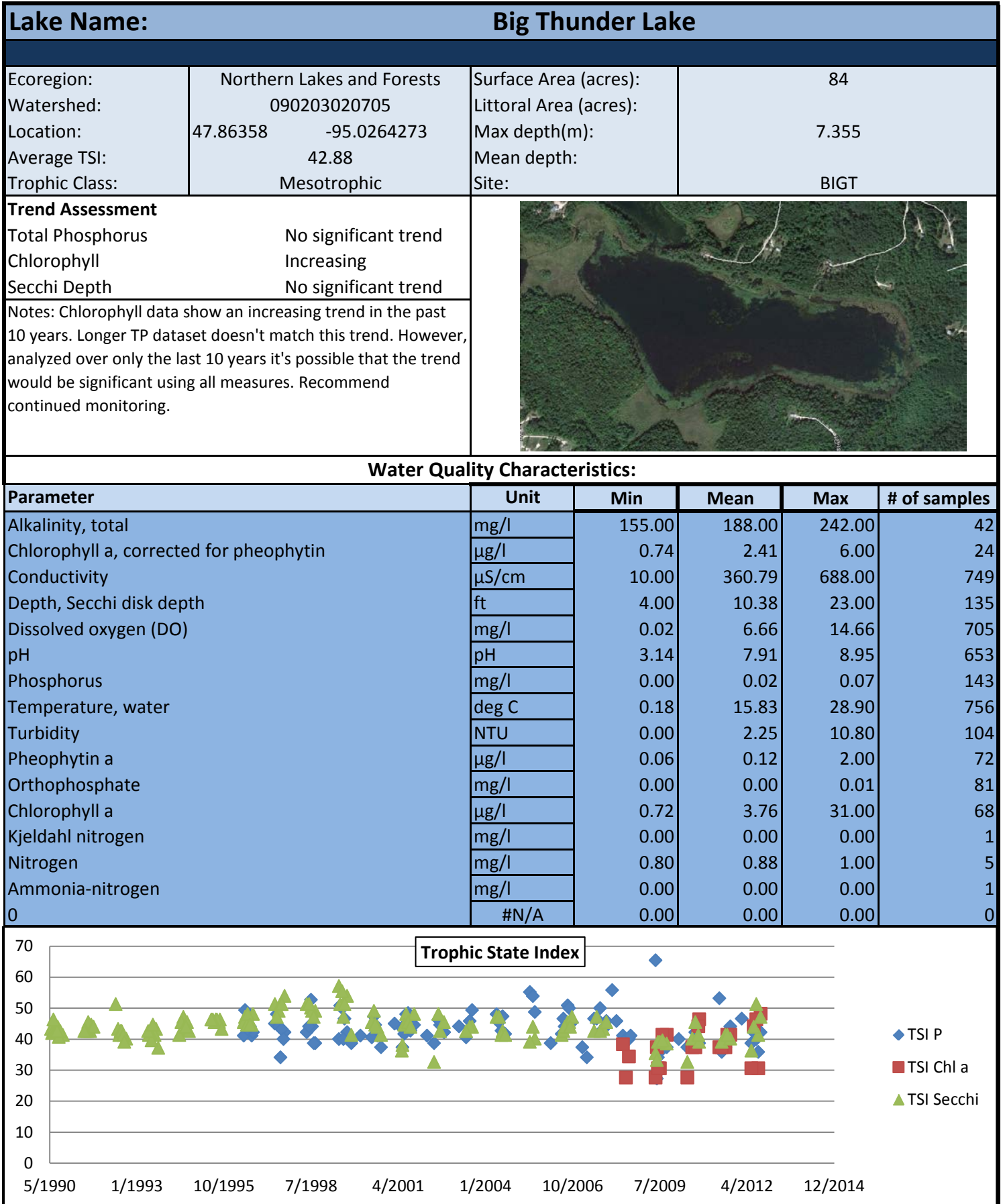
Lake Name: Beasty Lake					
Ecoregion:	Northern Lakes and Forests	Surface Area (acres):	13		
Watershed:	090203020706	Littoral Area (acres):			
Location:	47.83461 -95.138095	Max depth(m):	8		
Average TSI:	41.01	Mean depth:			
Trophic Class:	Mesotrophic	Site:	BEAS		
Trend Assessment					
Total Phosphorus	Insufficient data				
Chlorophyll	Insufficient data				
Secchi Depth	Insufficient data				
Notes:					
Water Quality Characteristics:					
Parameter	Unit	Min	Mean	Max	# of samples
Alkalinity, total	mg/l	164.00	177.00	190.00	2
Chlorophyll a, corrected for pheophytin	µg/l	5.00	7.50	10.00	2
Conductivity	µS/cm	319.00	391.29	499.00	17
Depth, Secchi disk depth	ft	8.00	8.50	9.00	2
Dissolved oxygen (DO)	mg/l	0.34	6.53	14.17	17
pH	pH	6.97	7.70	8.33	17
Phosphorus	mg/l	0.02	0.02	0.03	2
Temperature, water	deg C	6.28	15.97	25.23	17
Turbidity	NTU	1.62	2.42	3.22	2
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0
0	#N/A	0.00	0.00	0.00	0

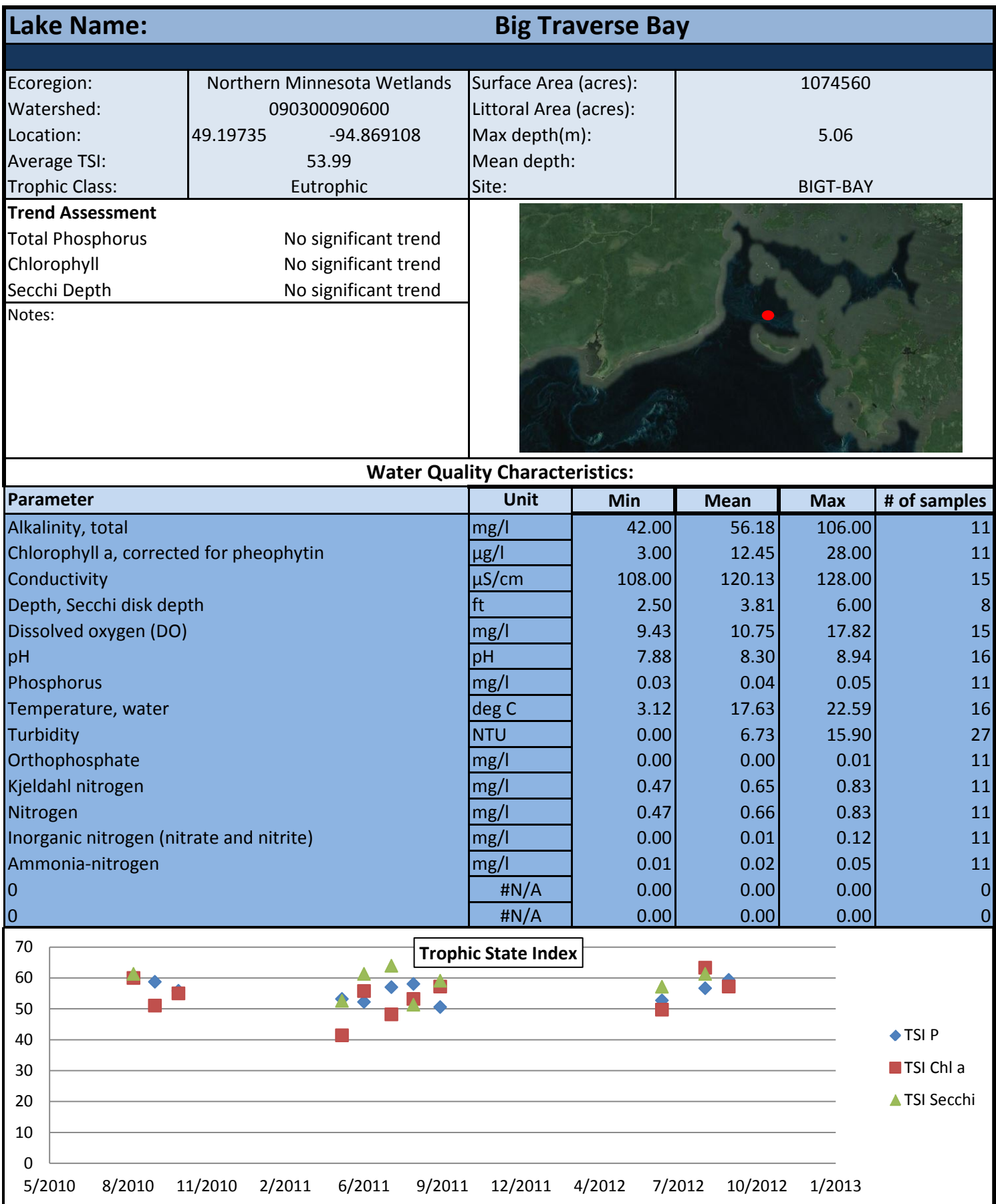
Trophic State Index

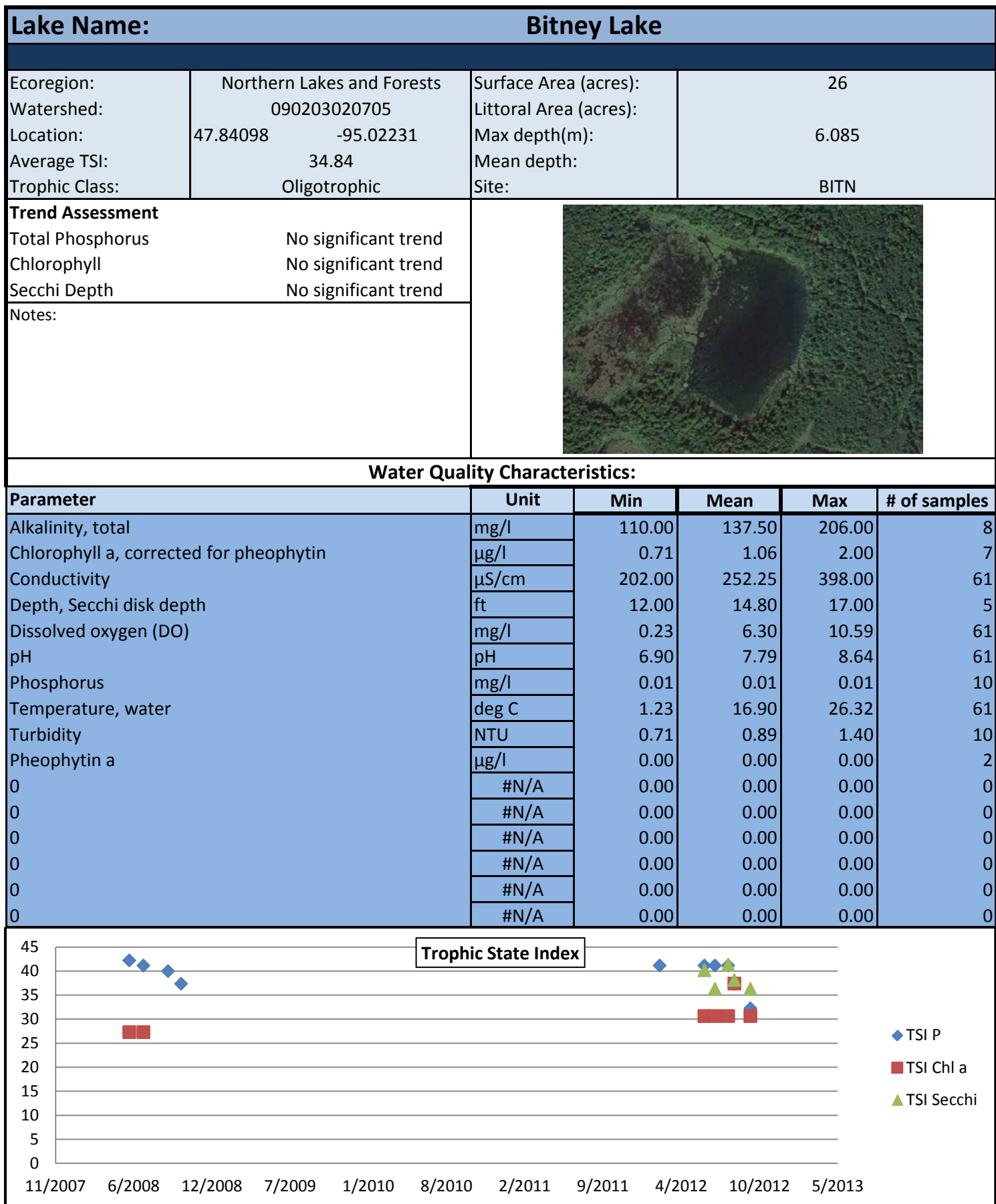


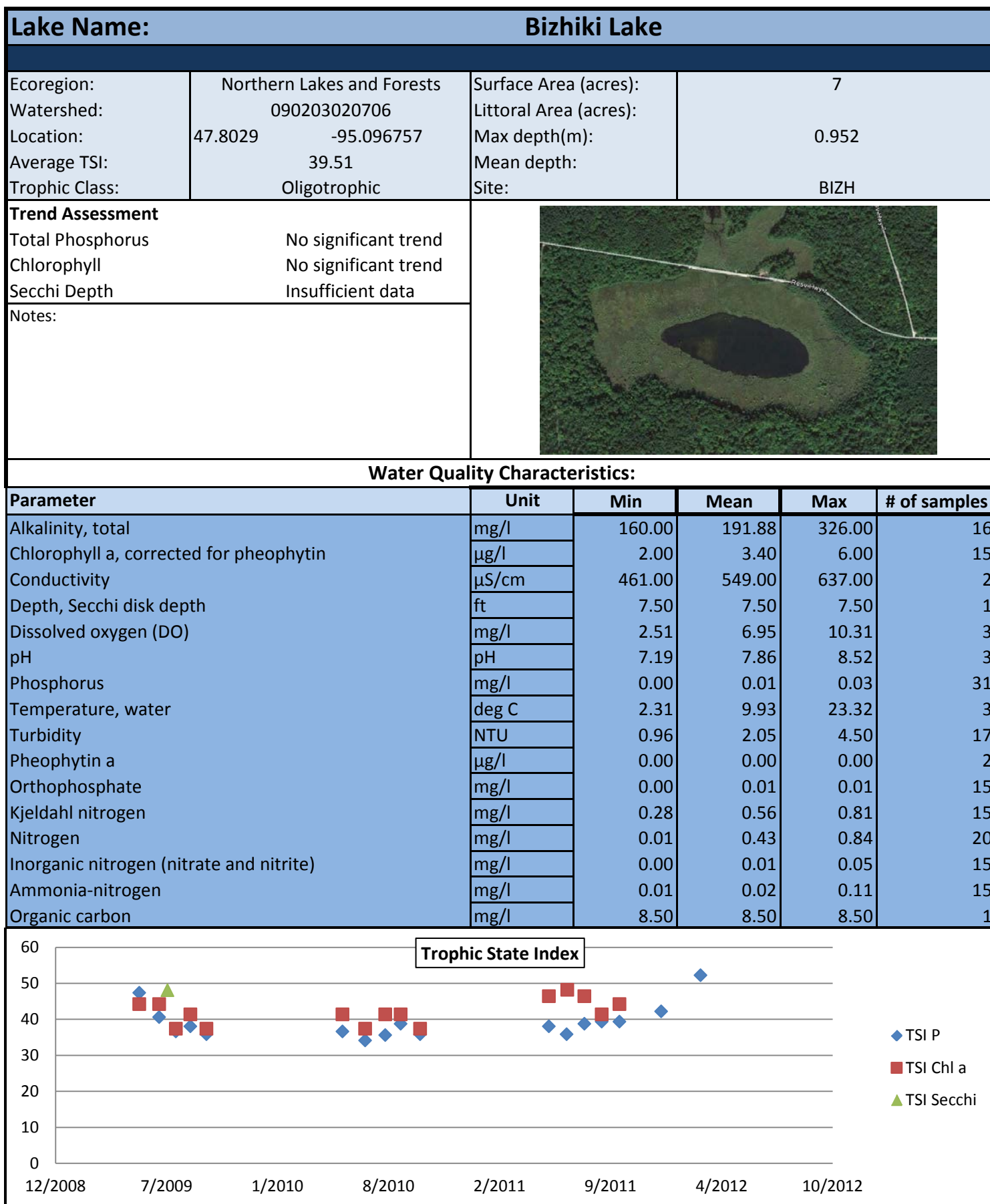
◆ TSI P
■ TSI Chl a
▲ TSI Secchi

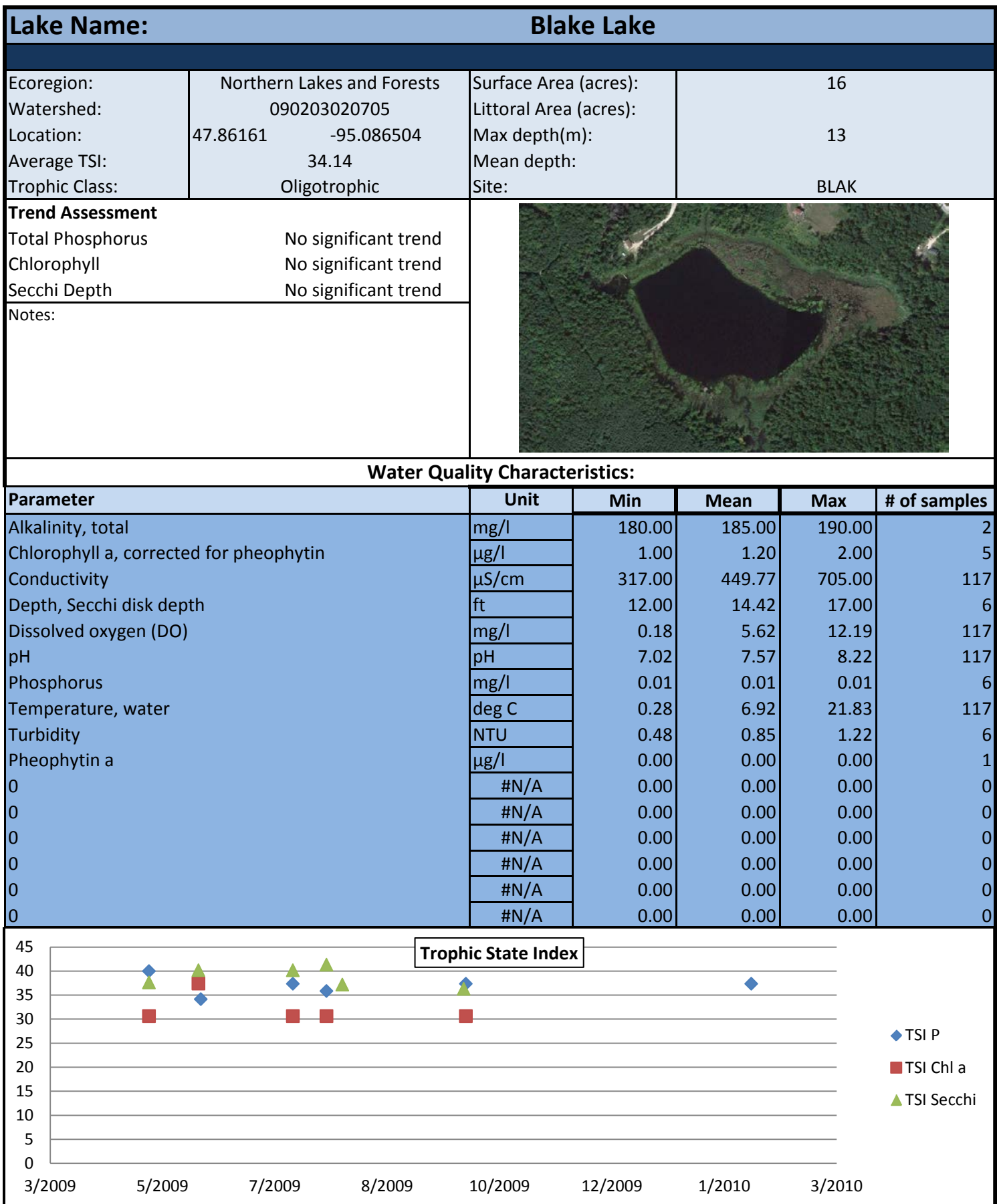


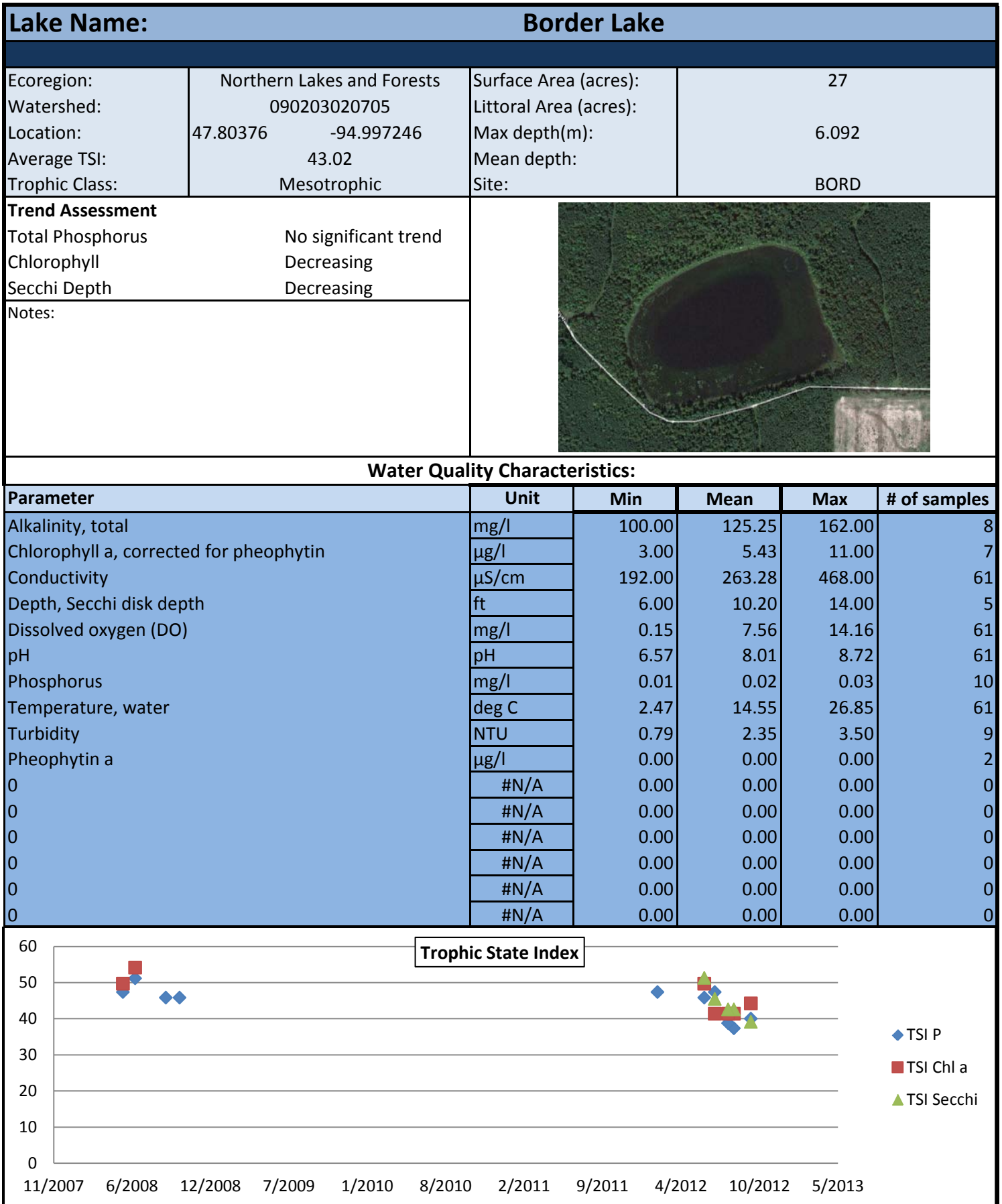


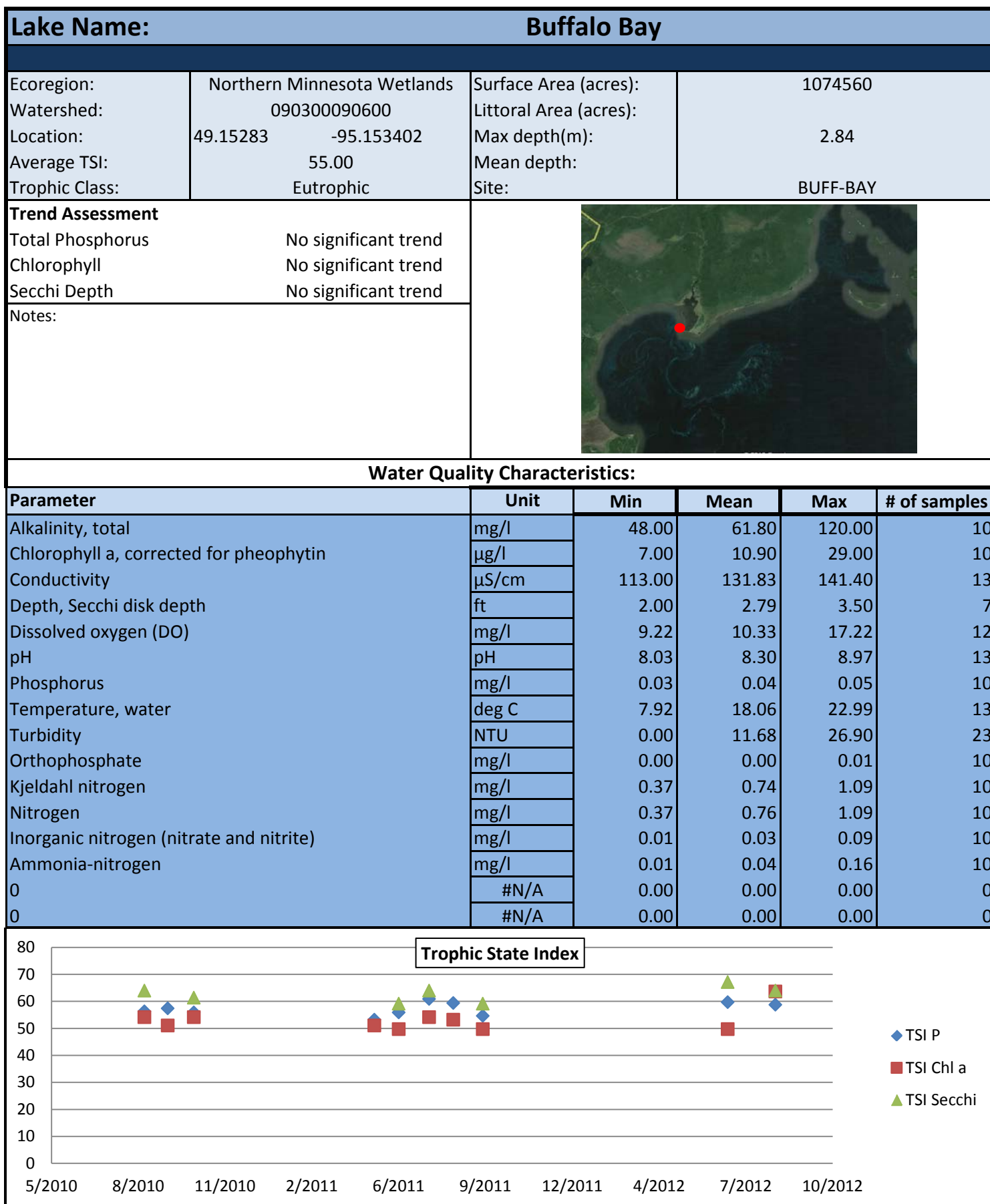


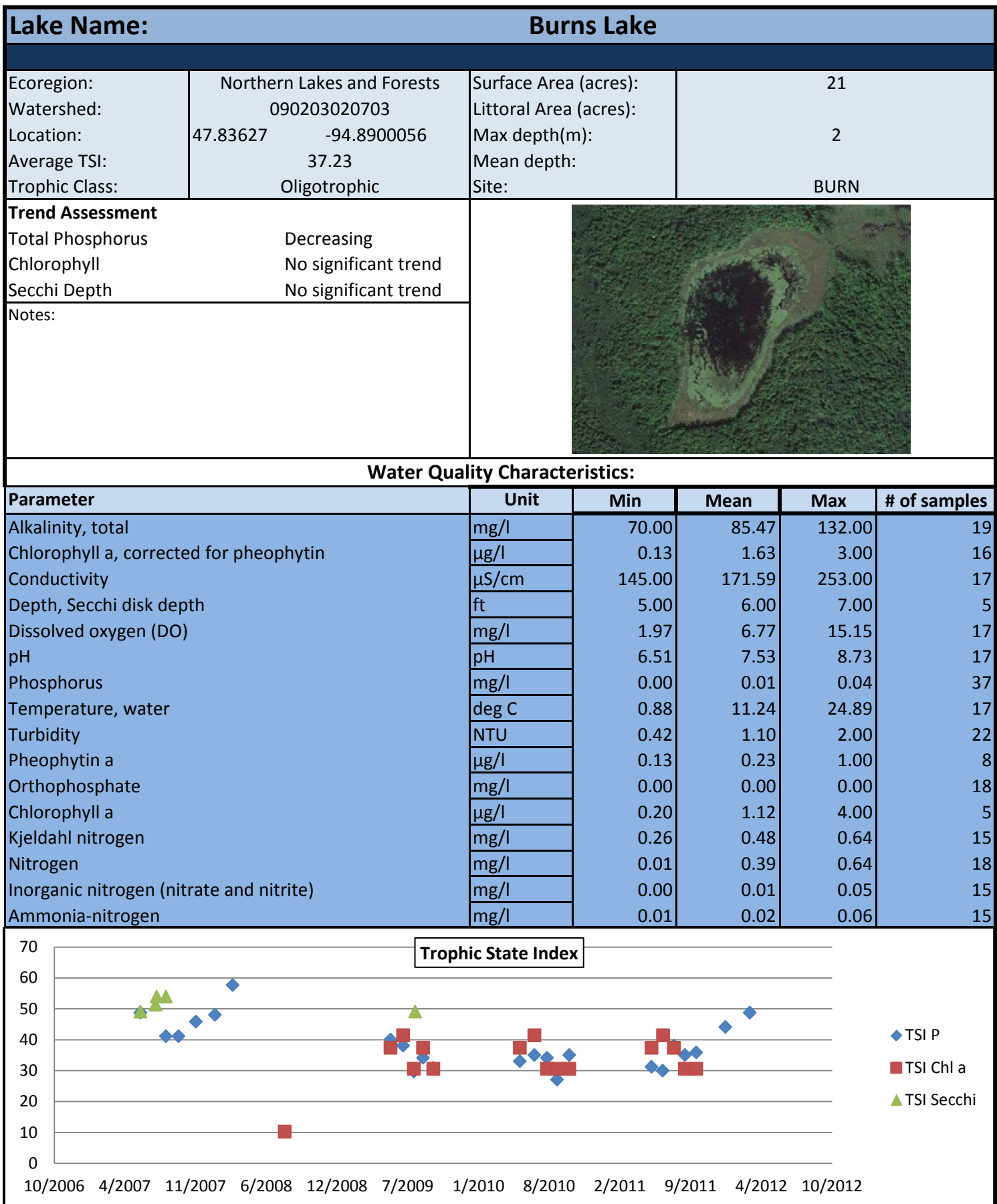


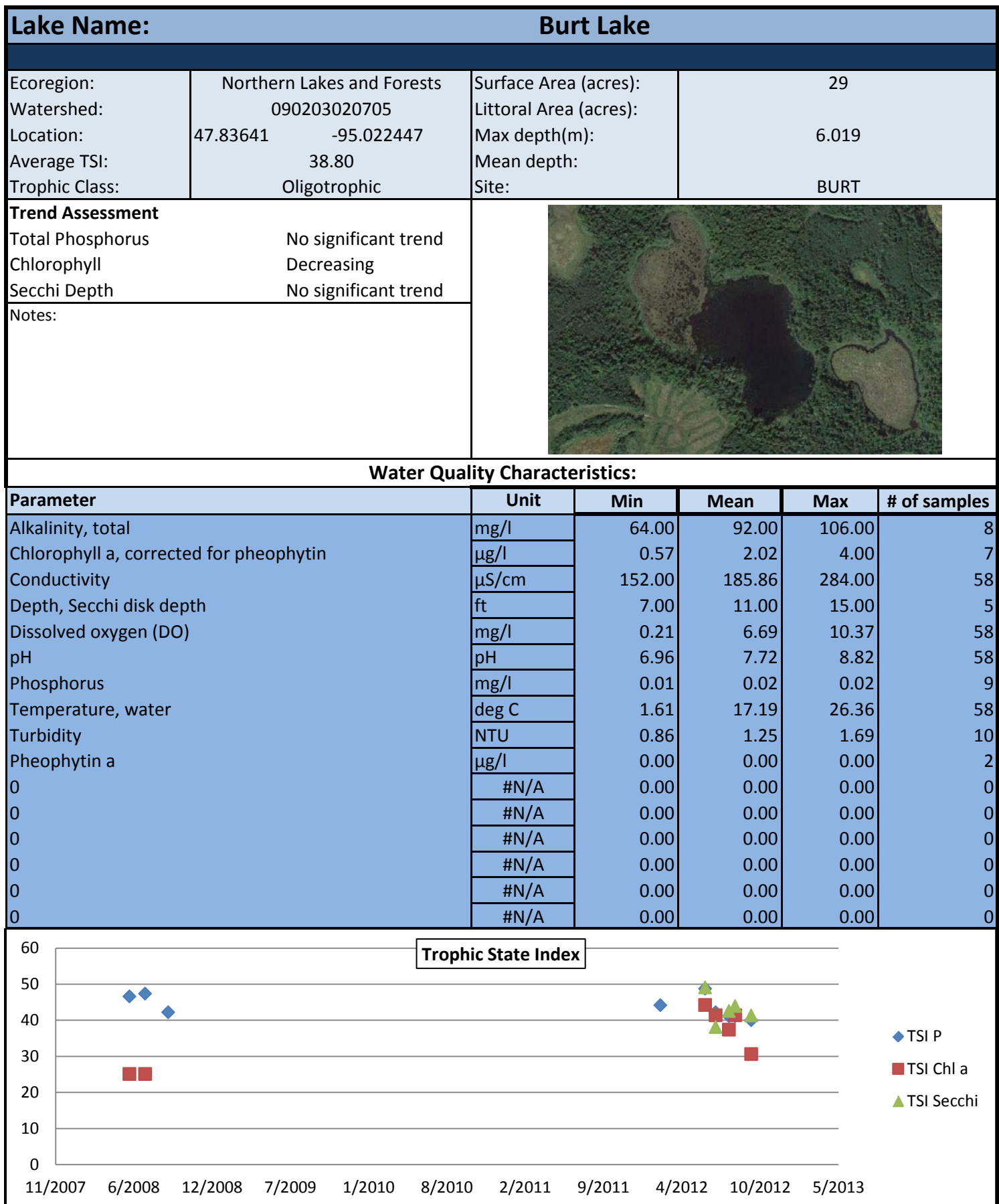


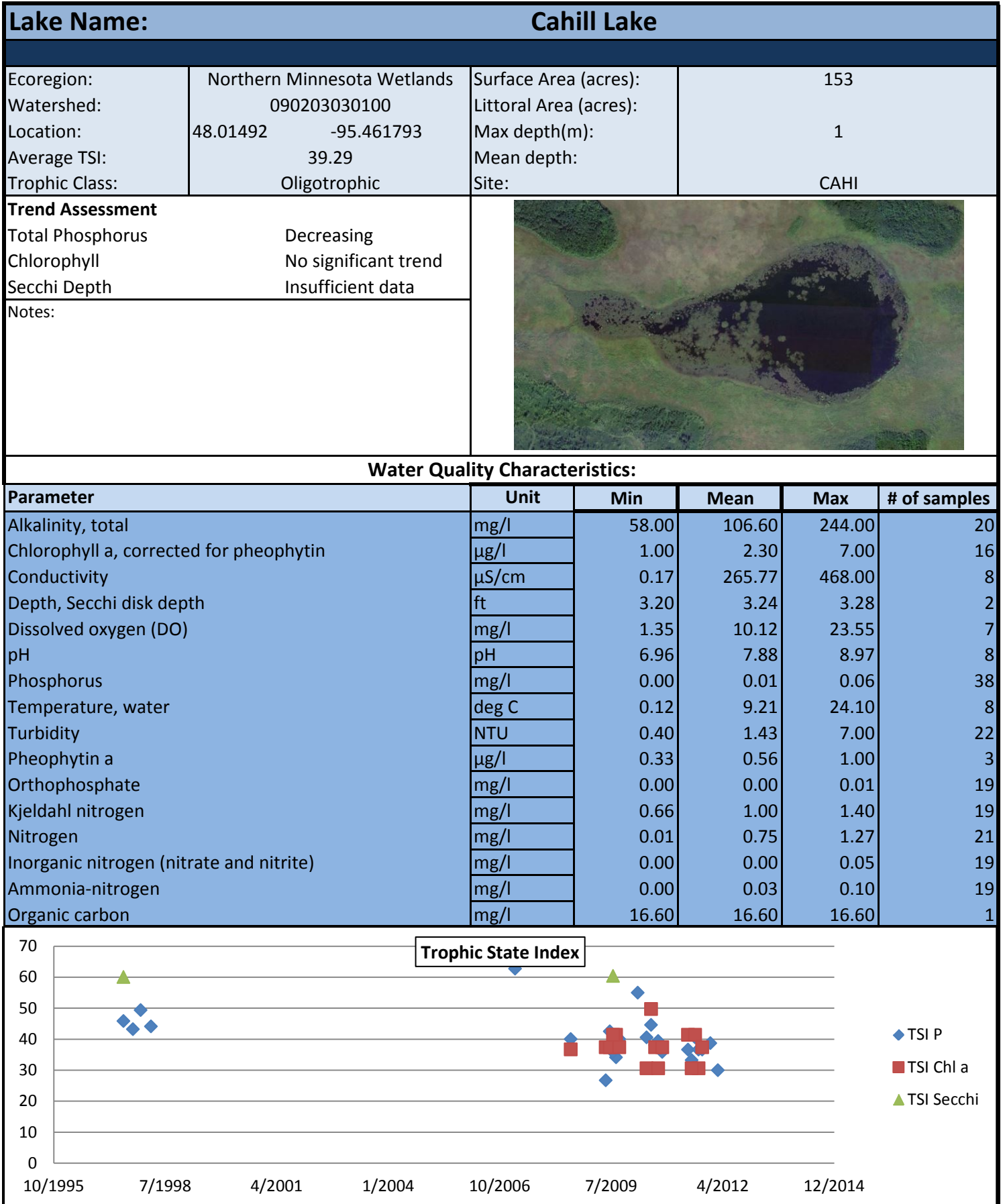


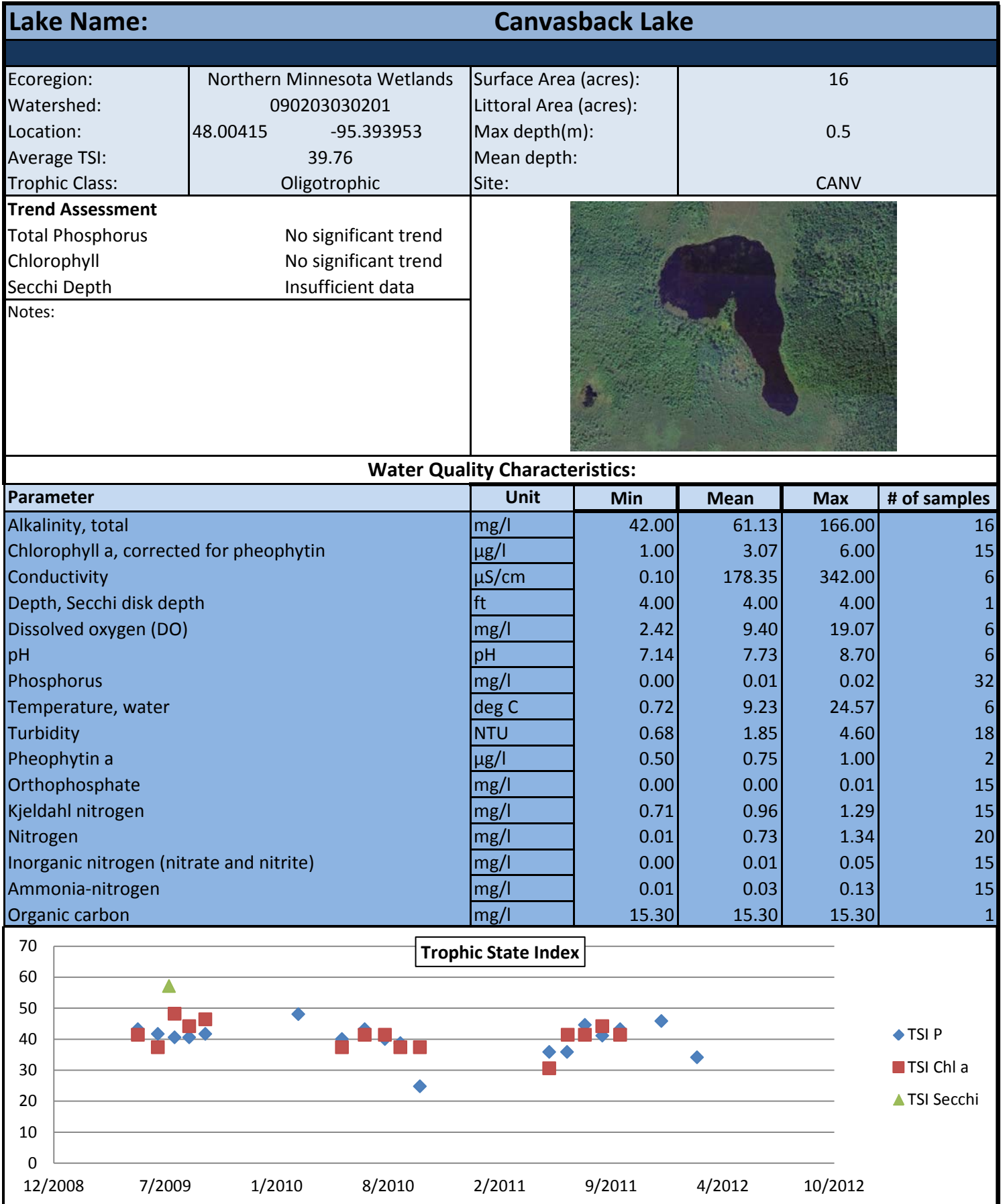


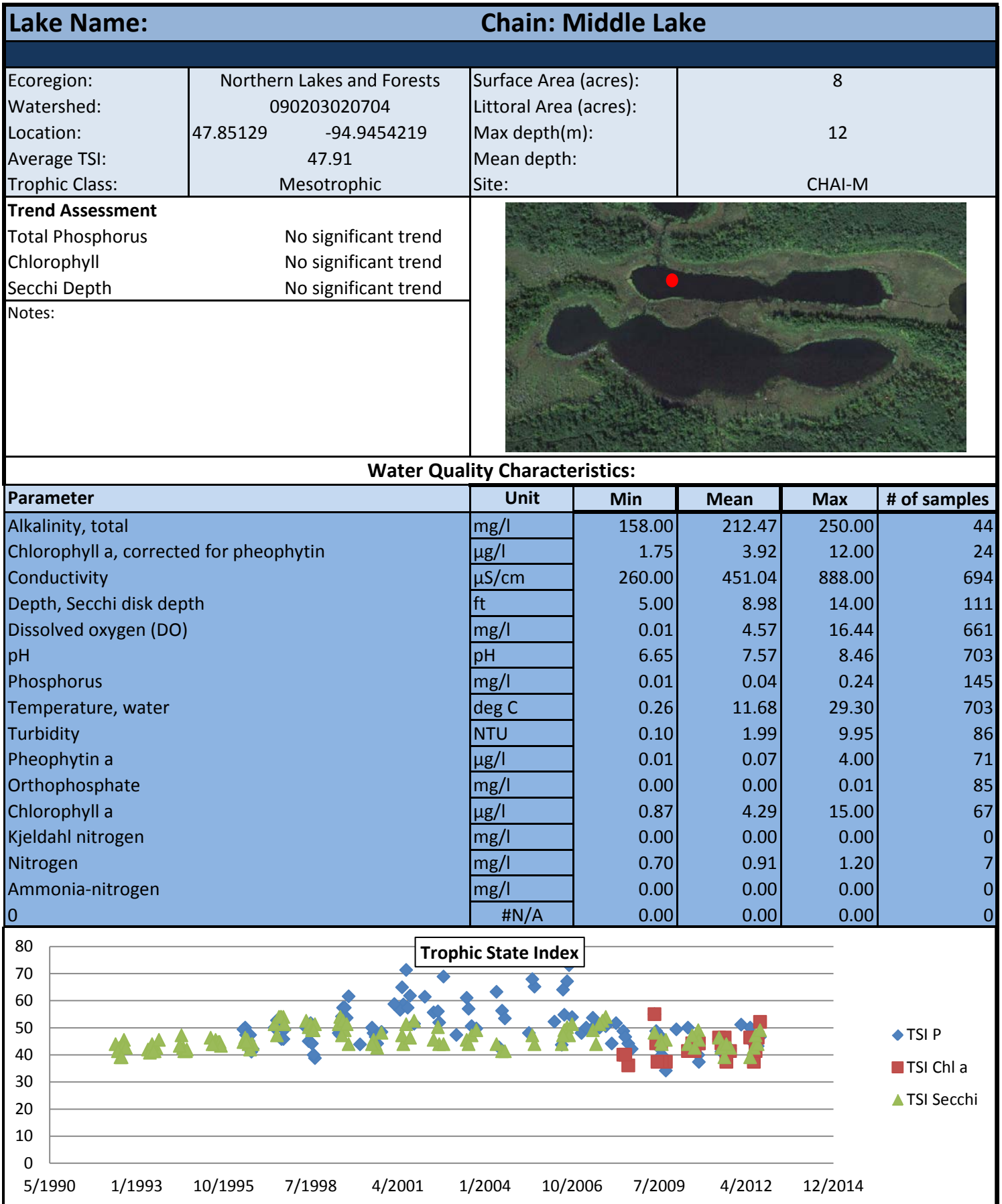


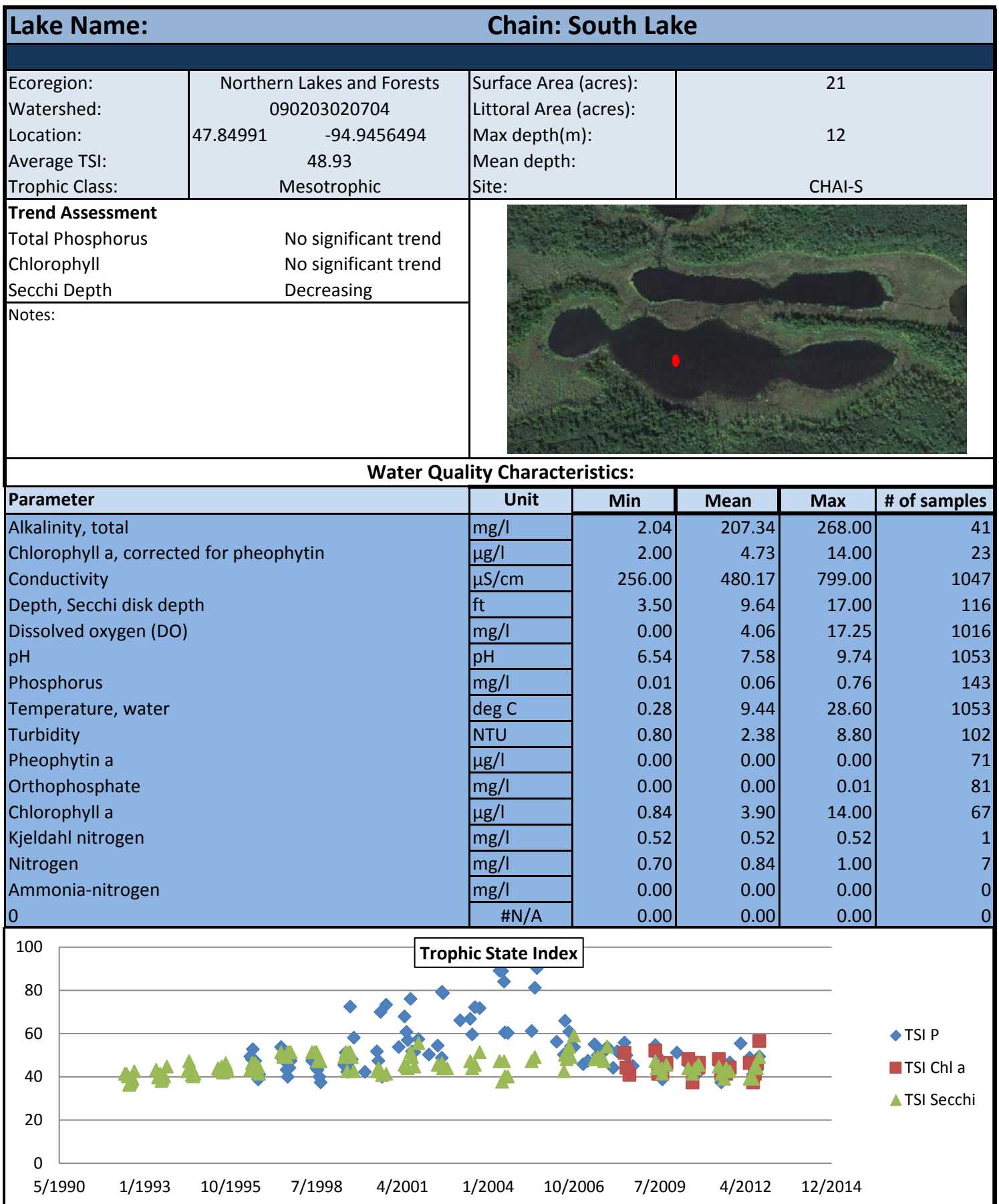


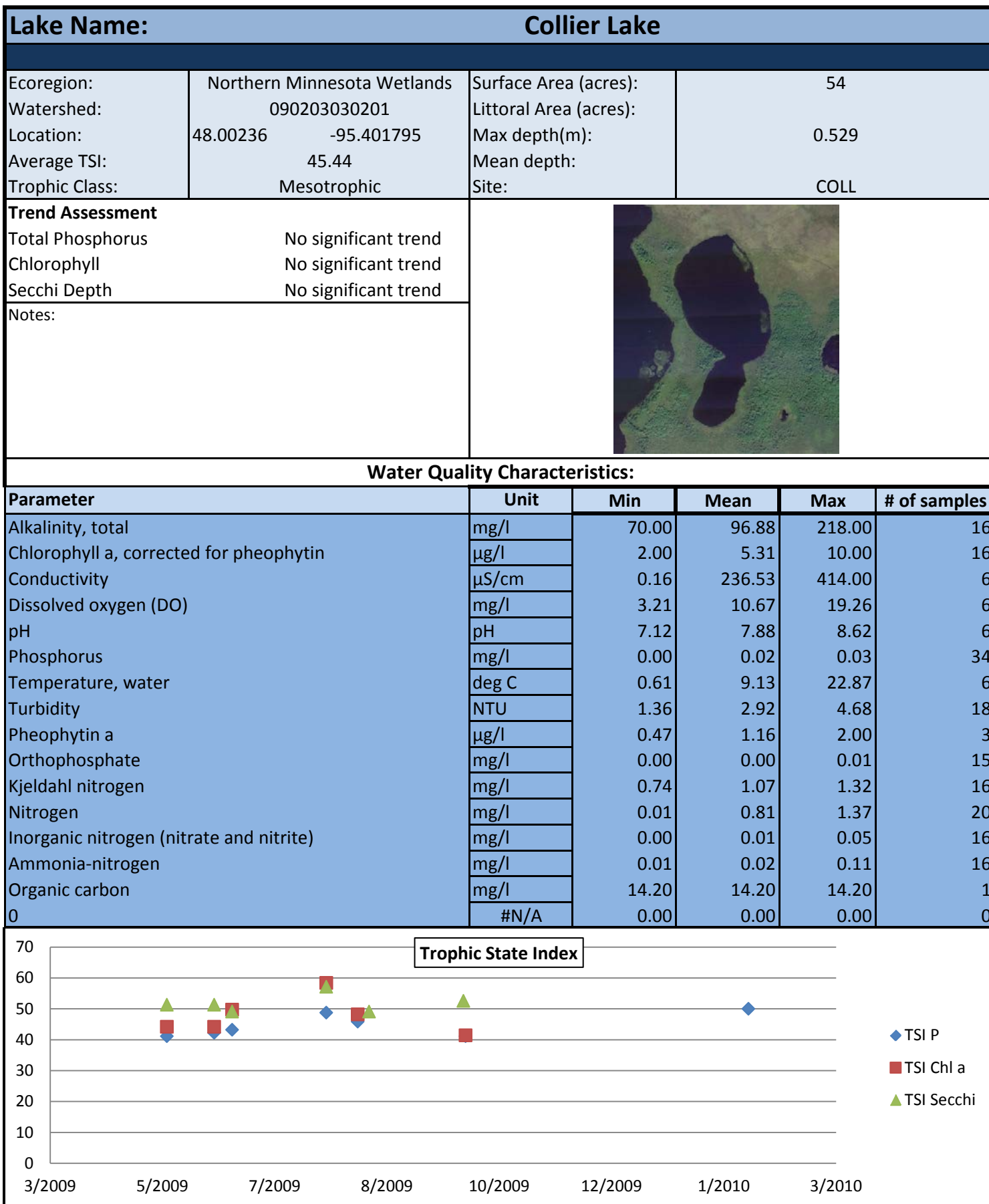


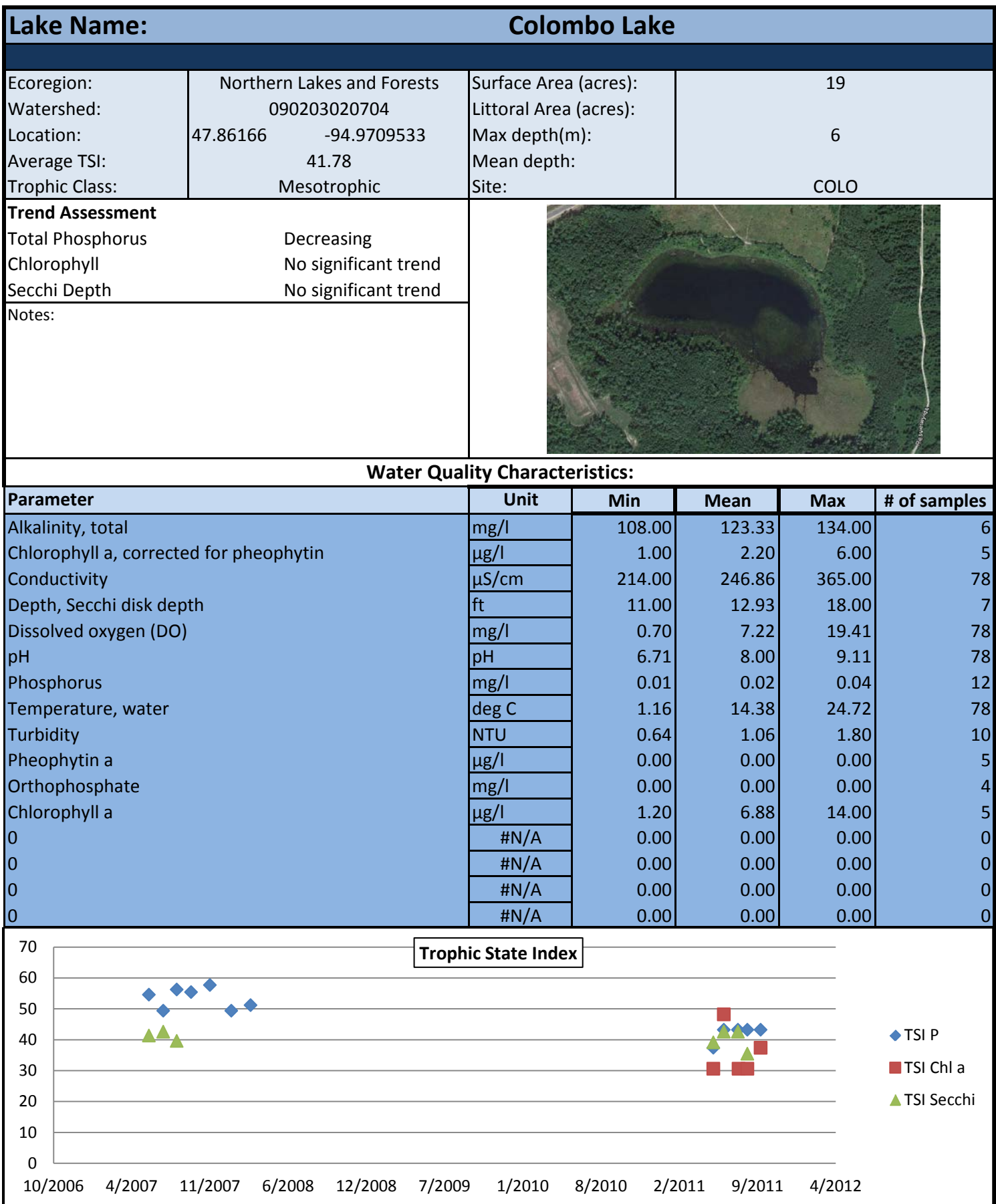


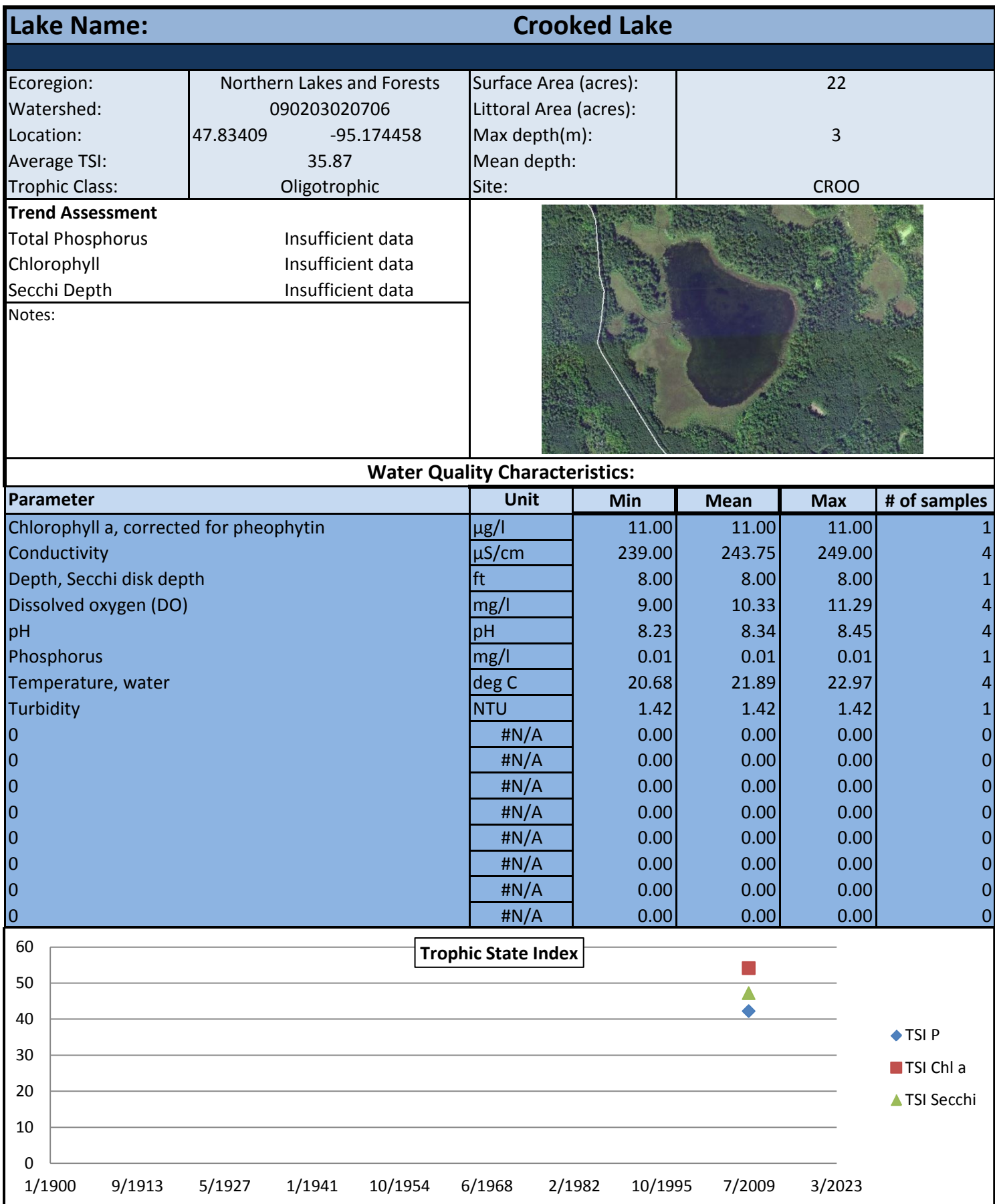


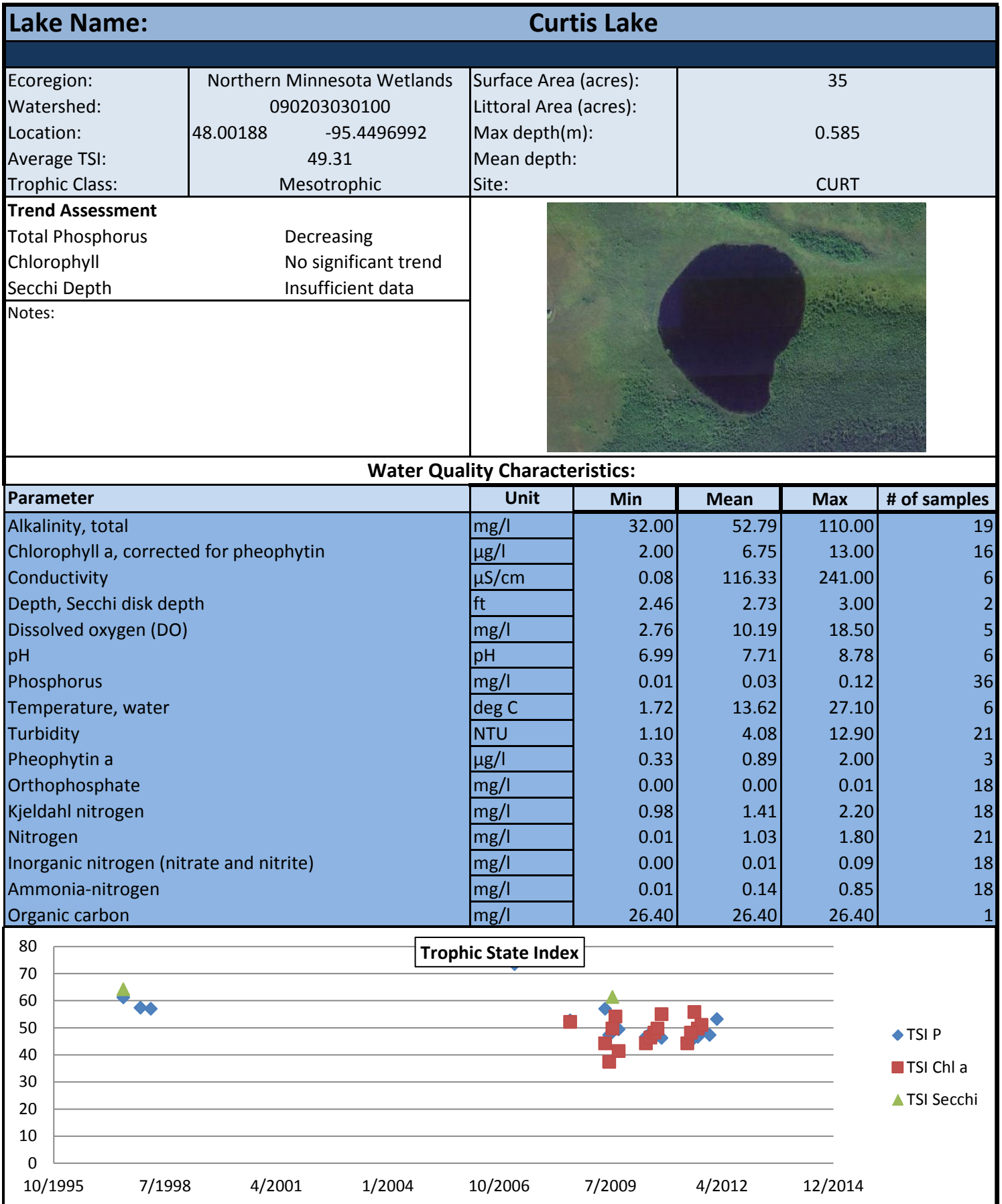


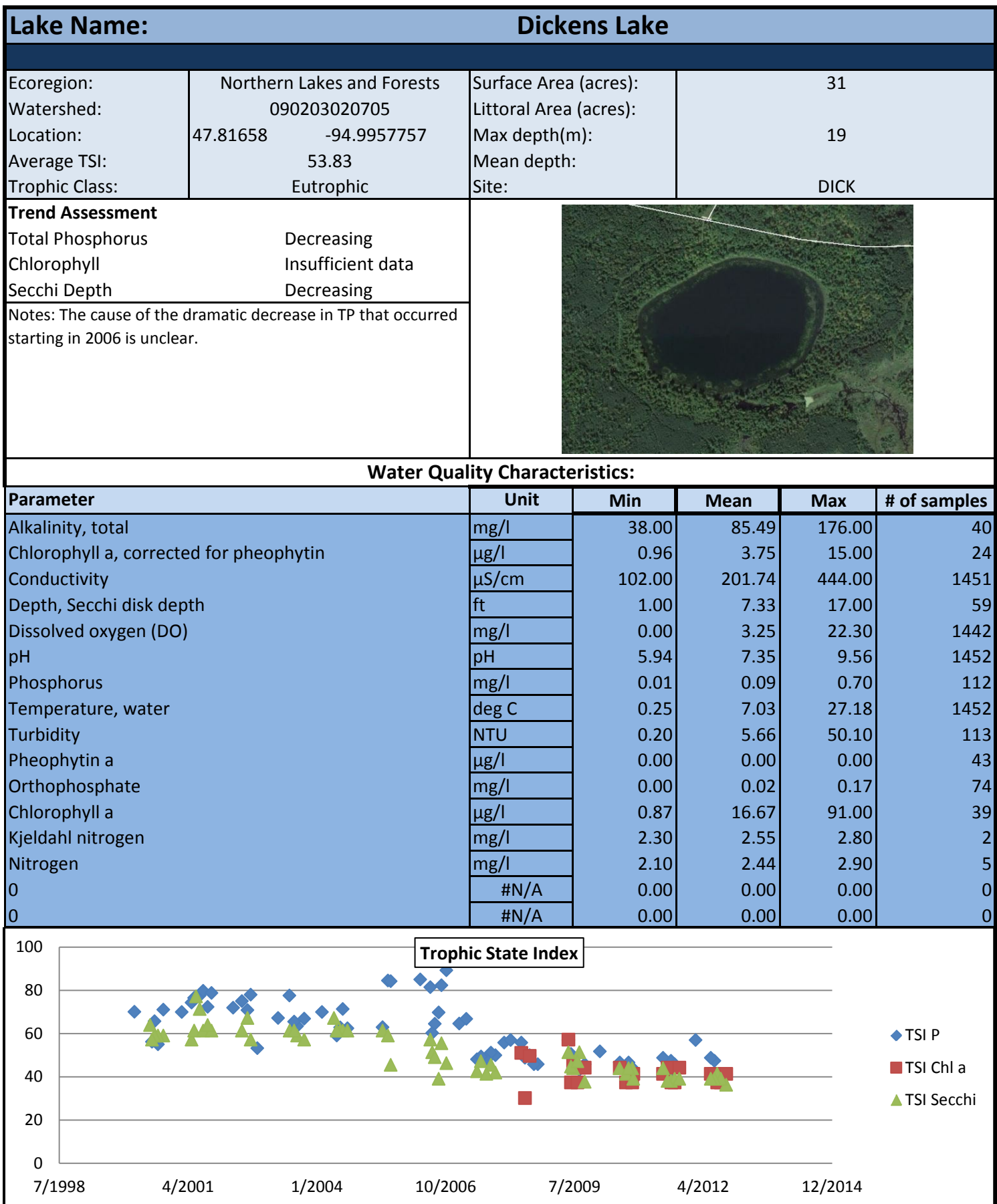


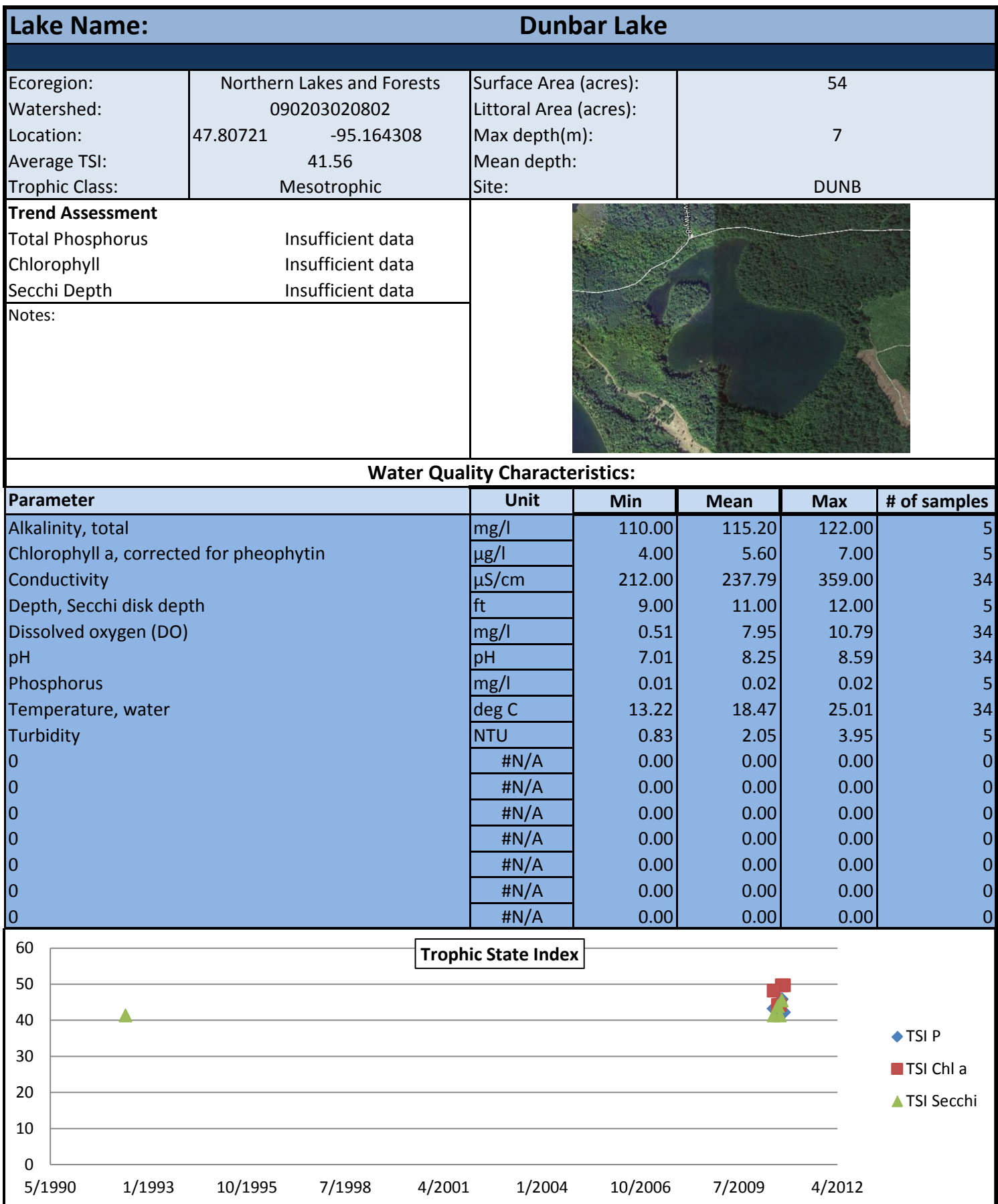


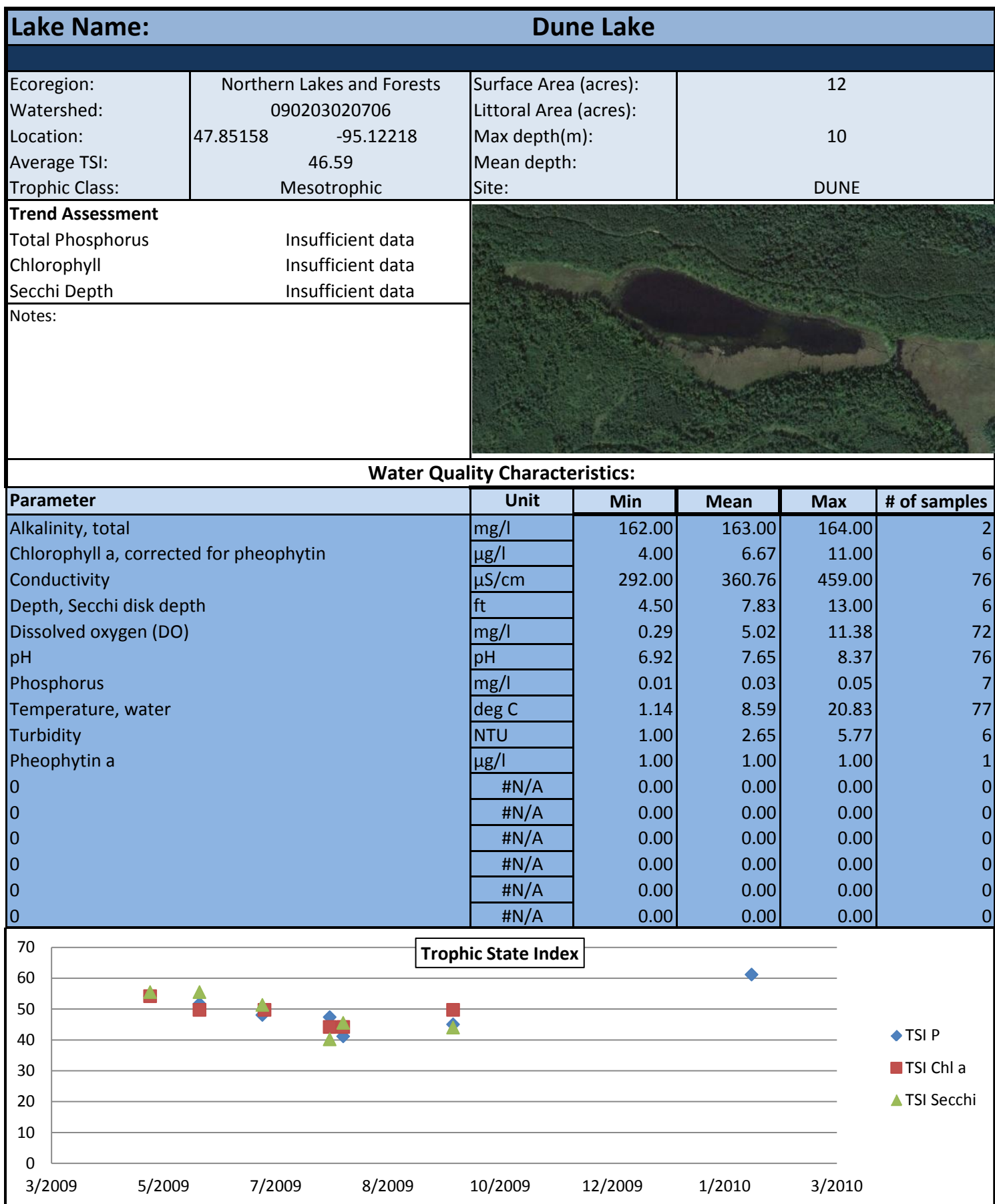


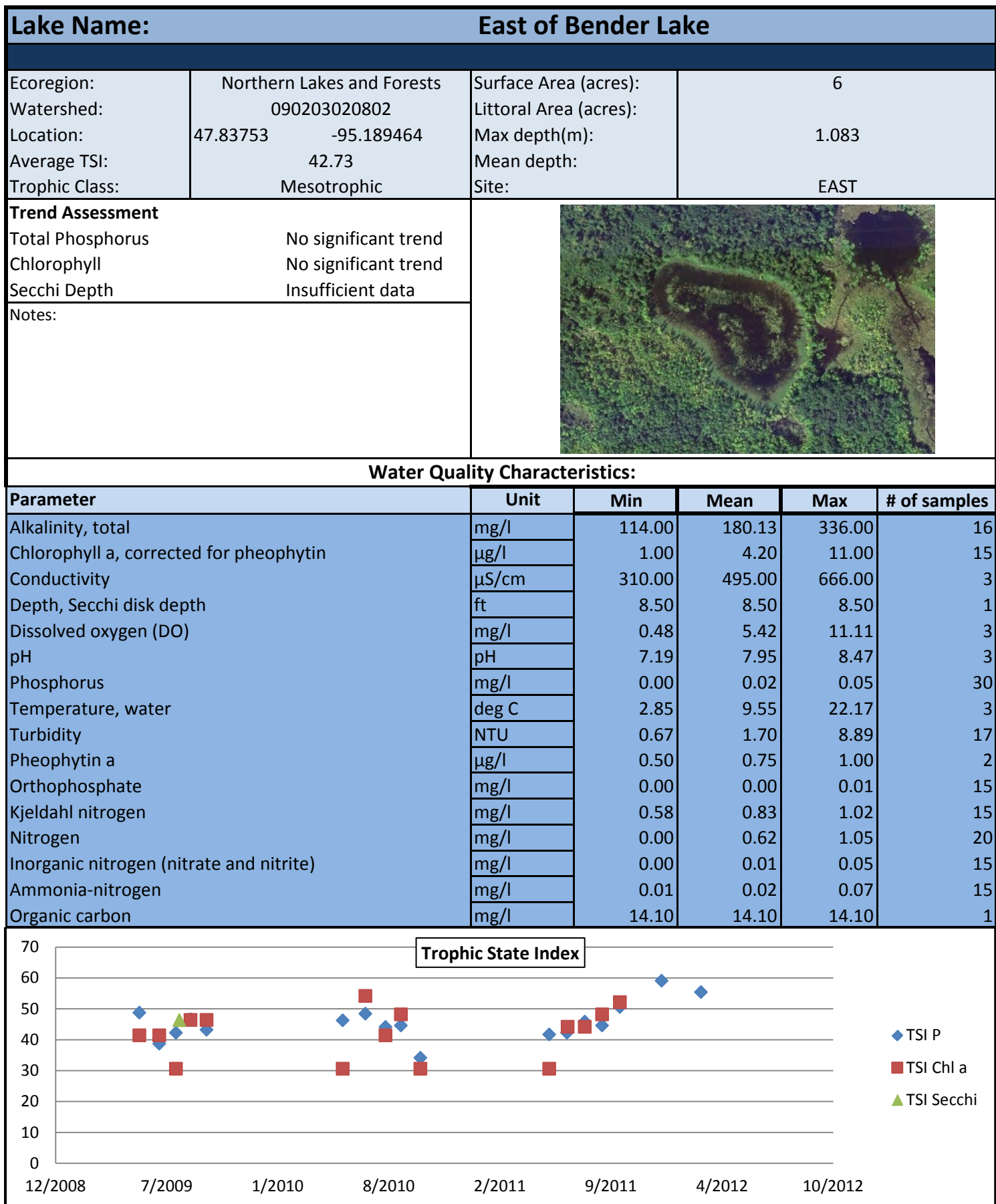


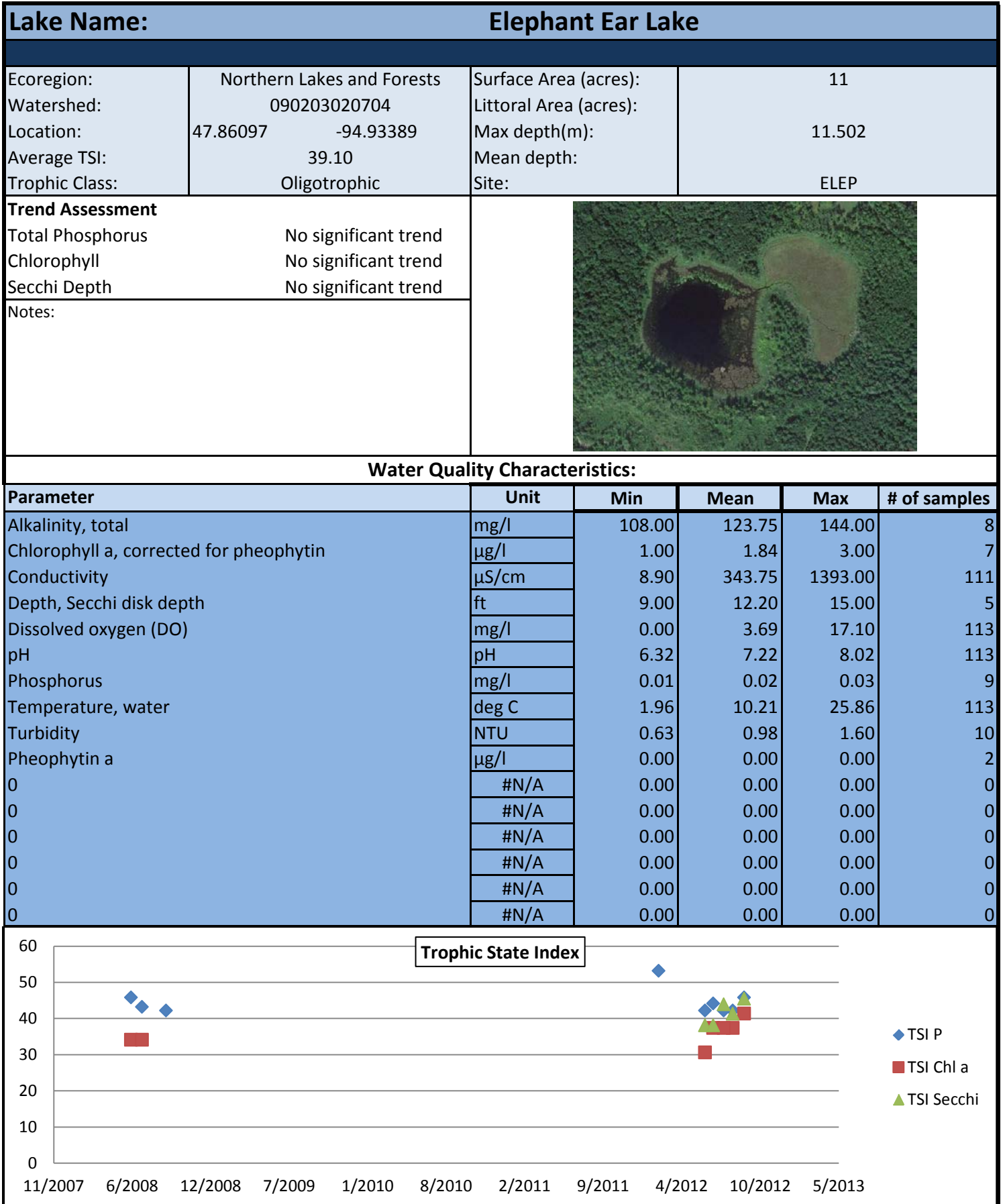


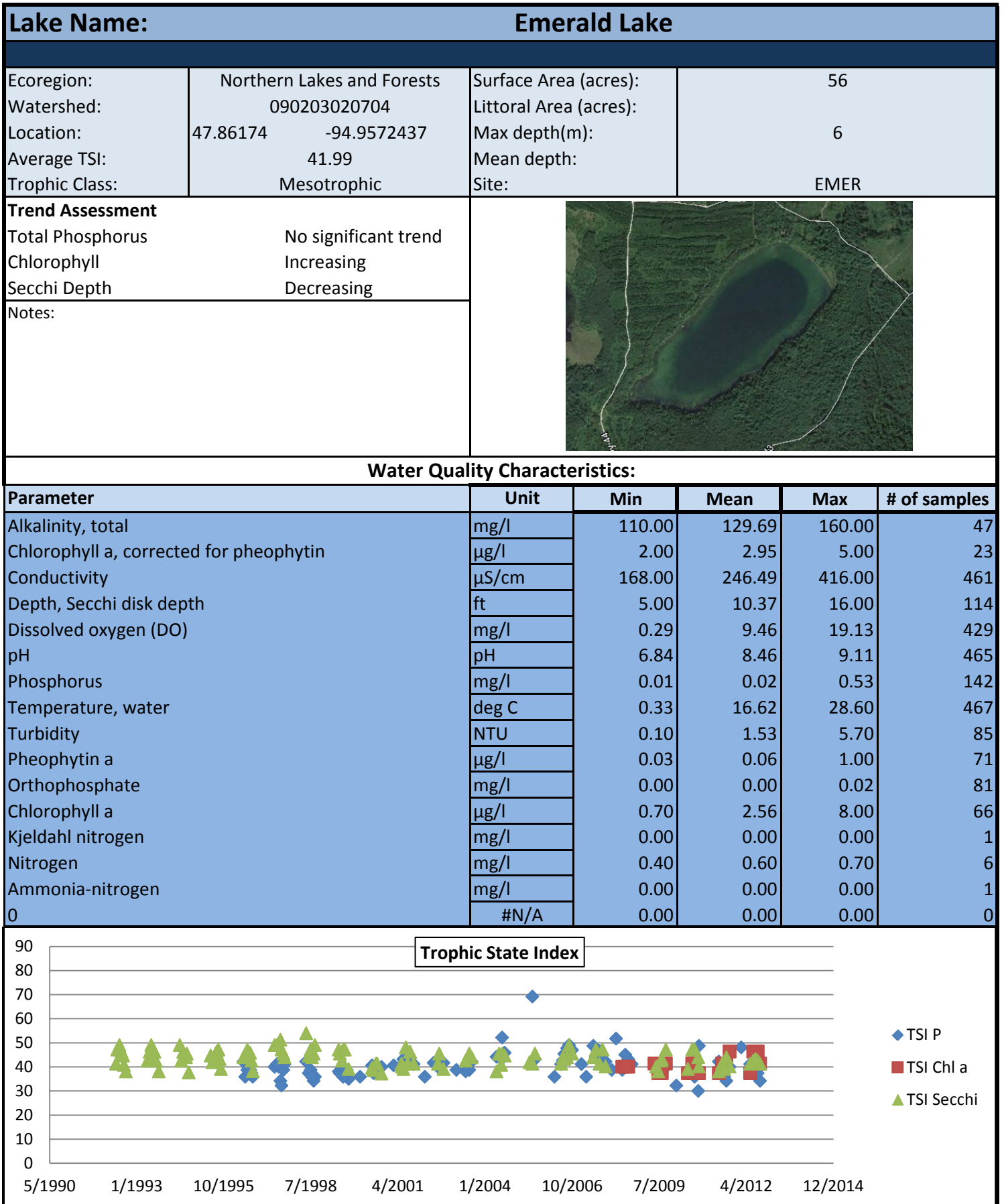




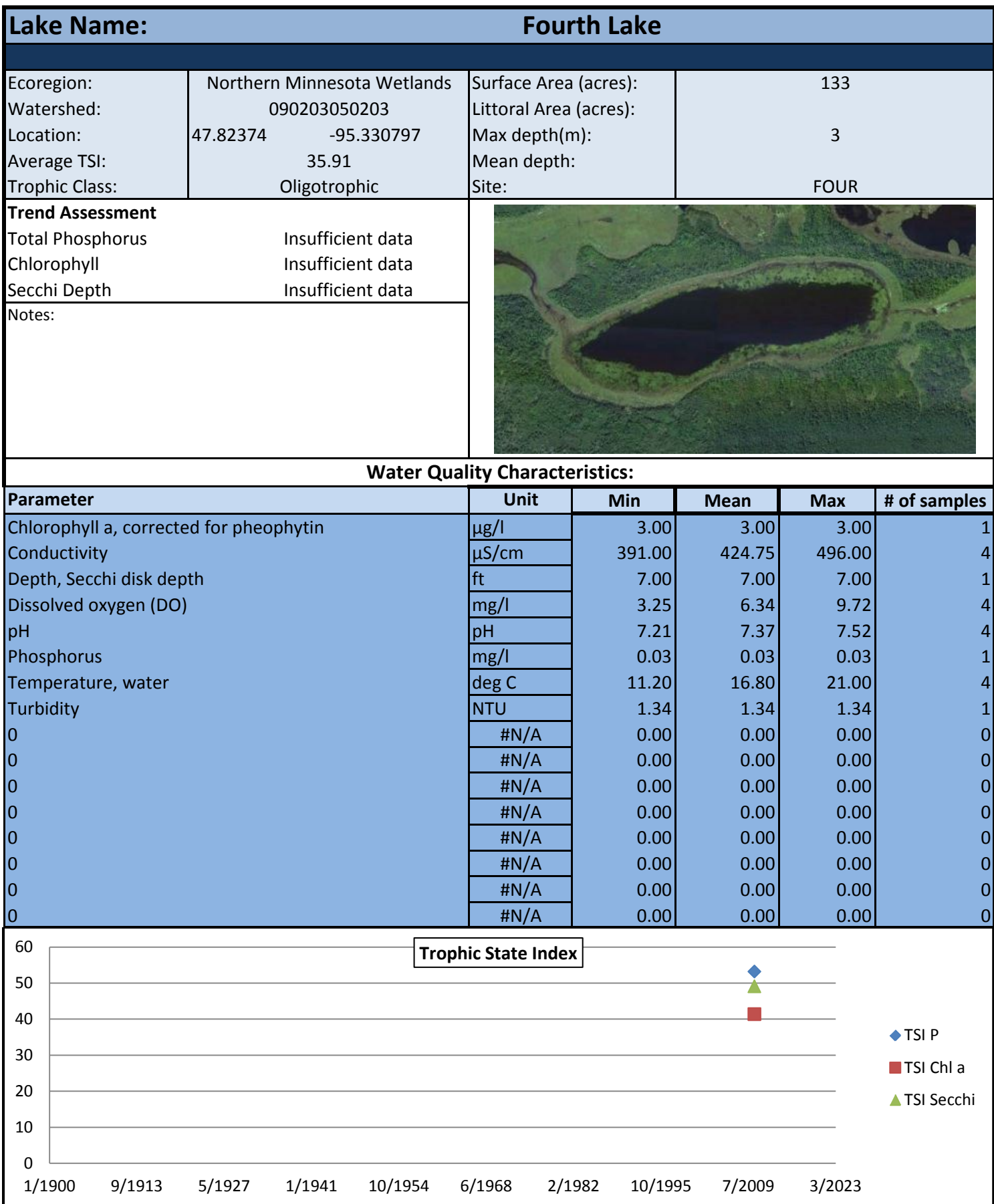


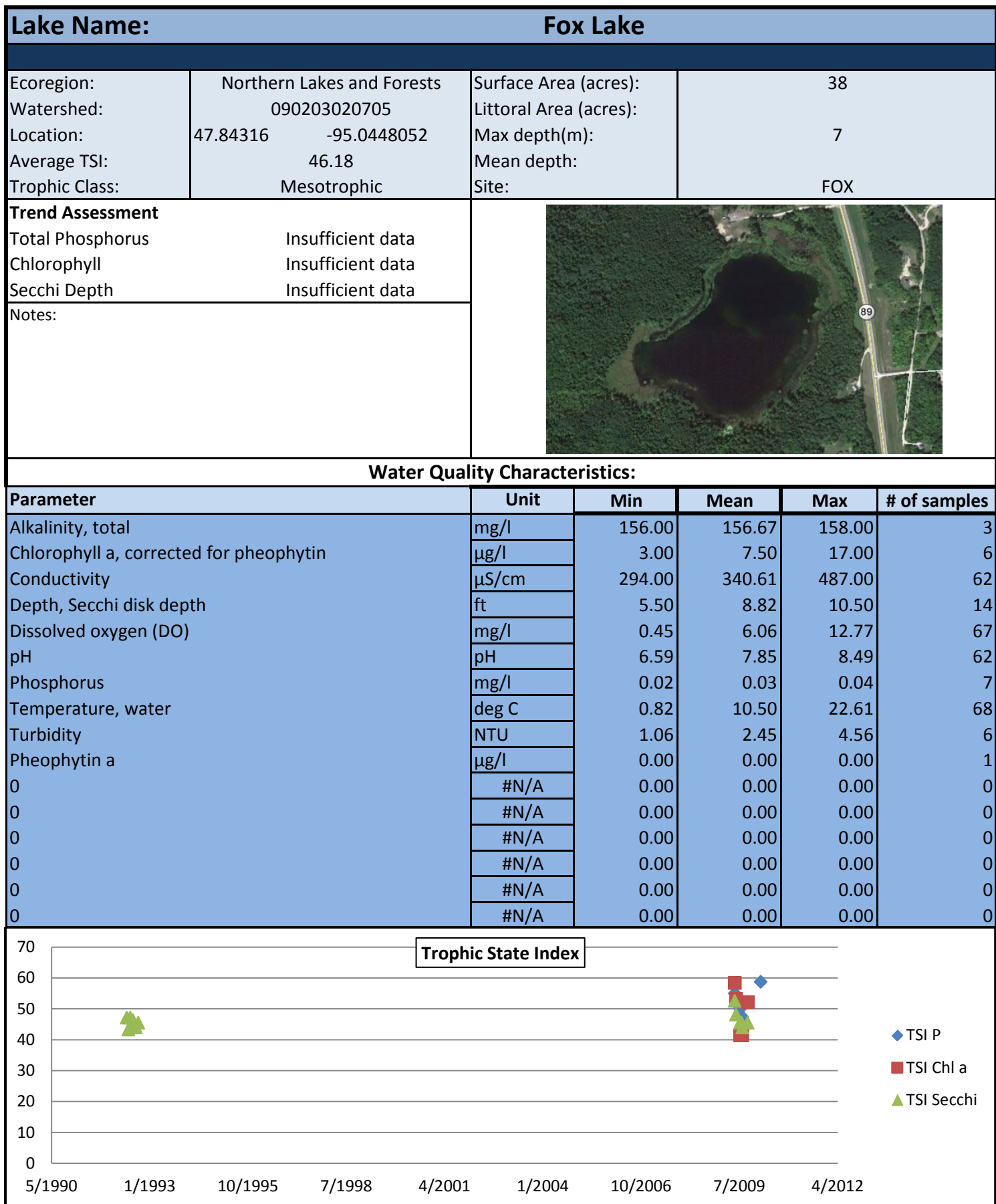


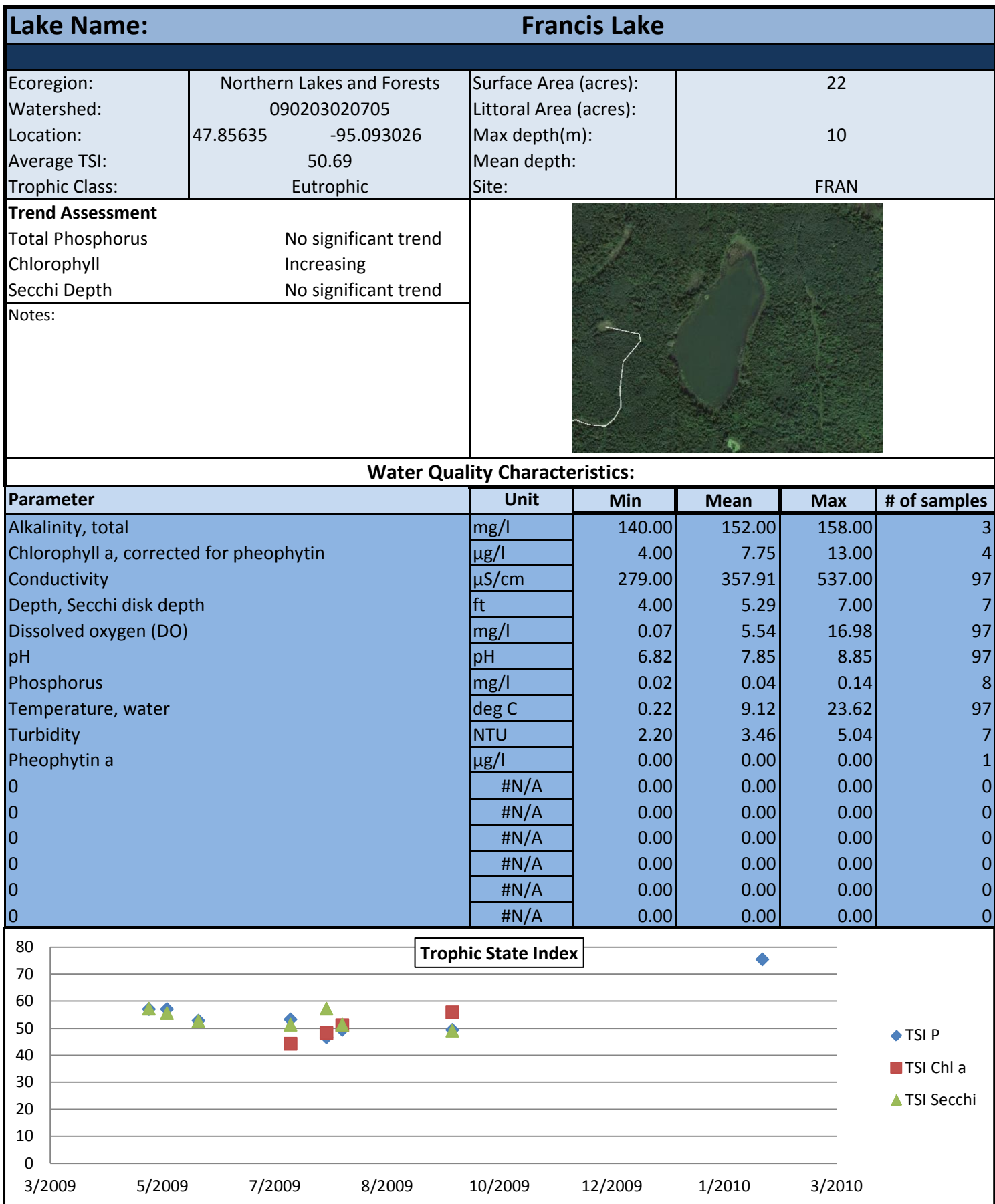


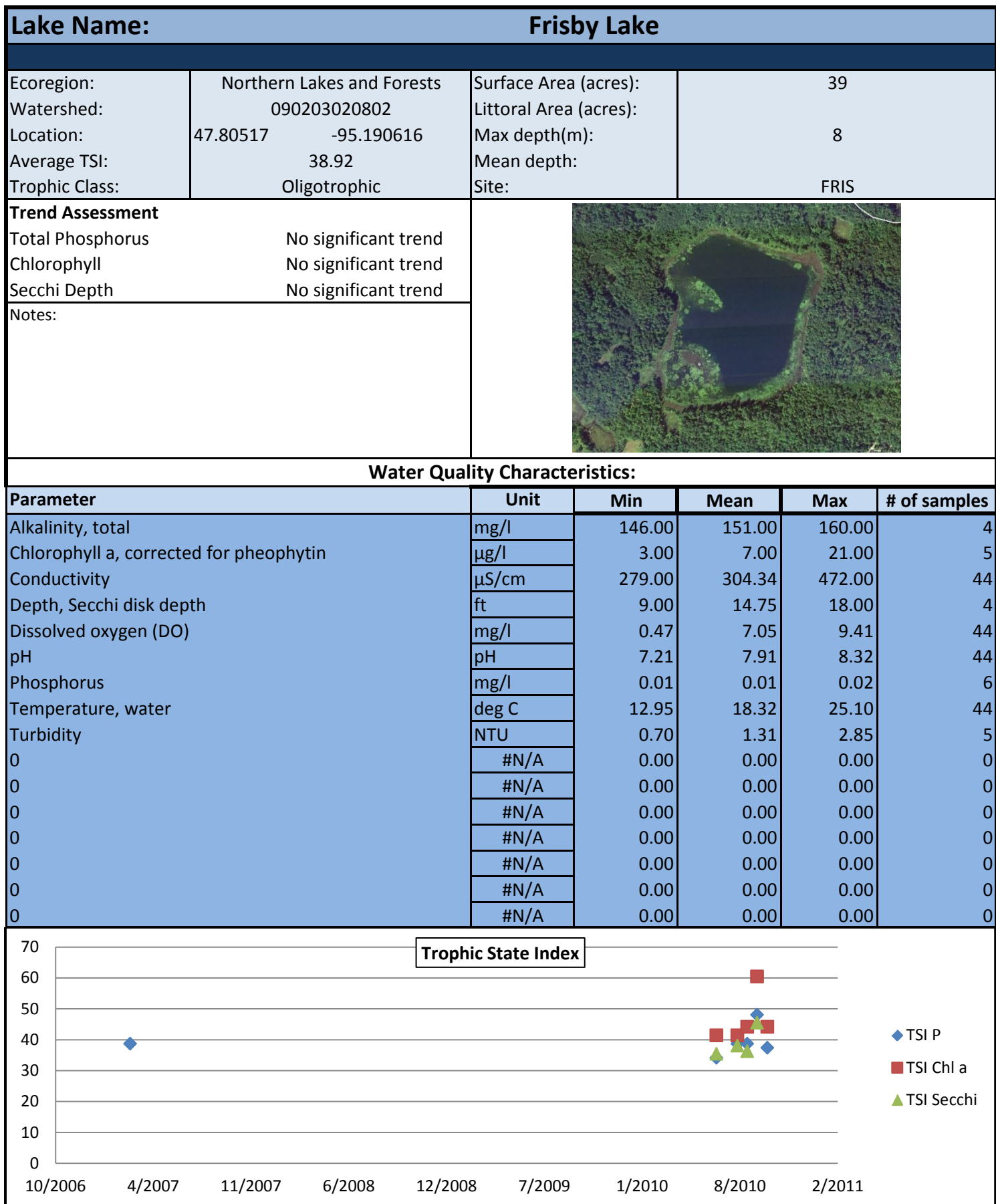


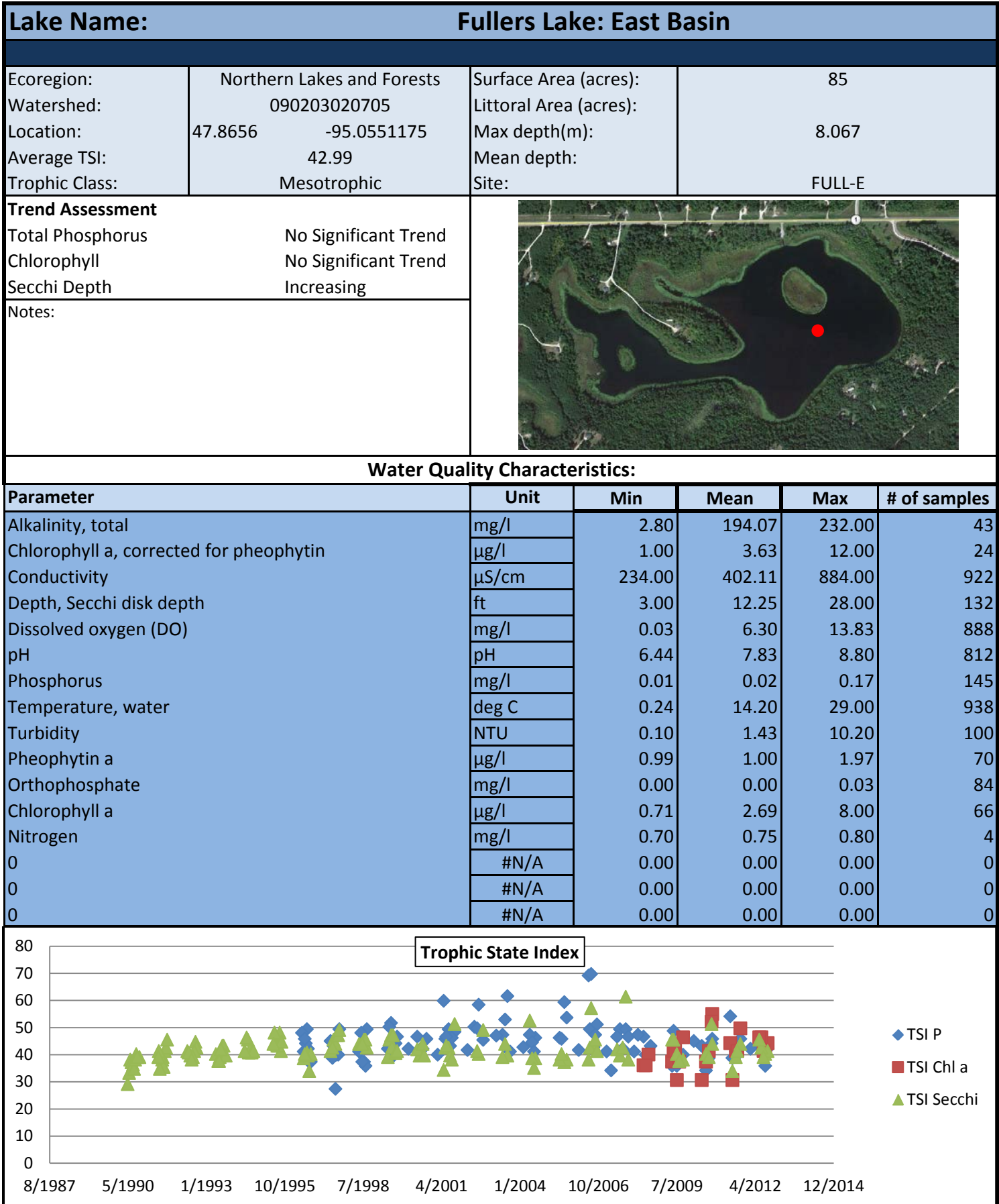


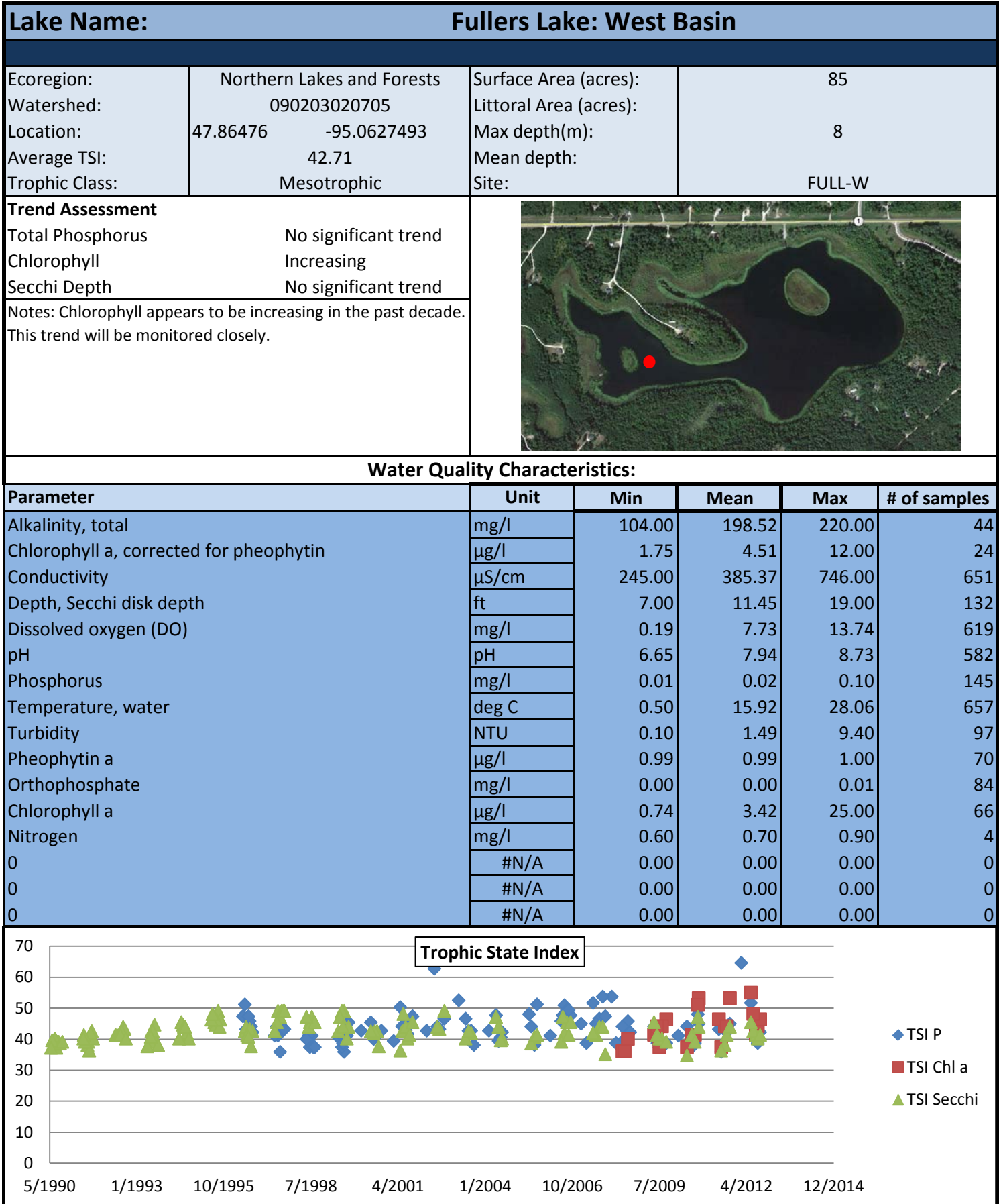


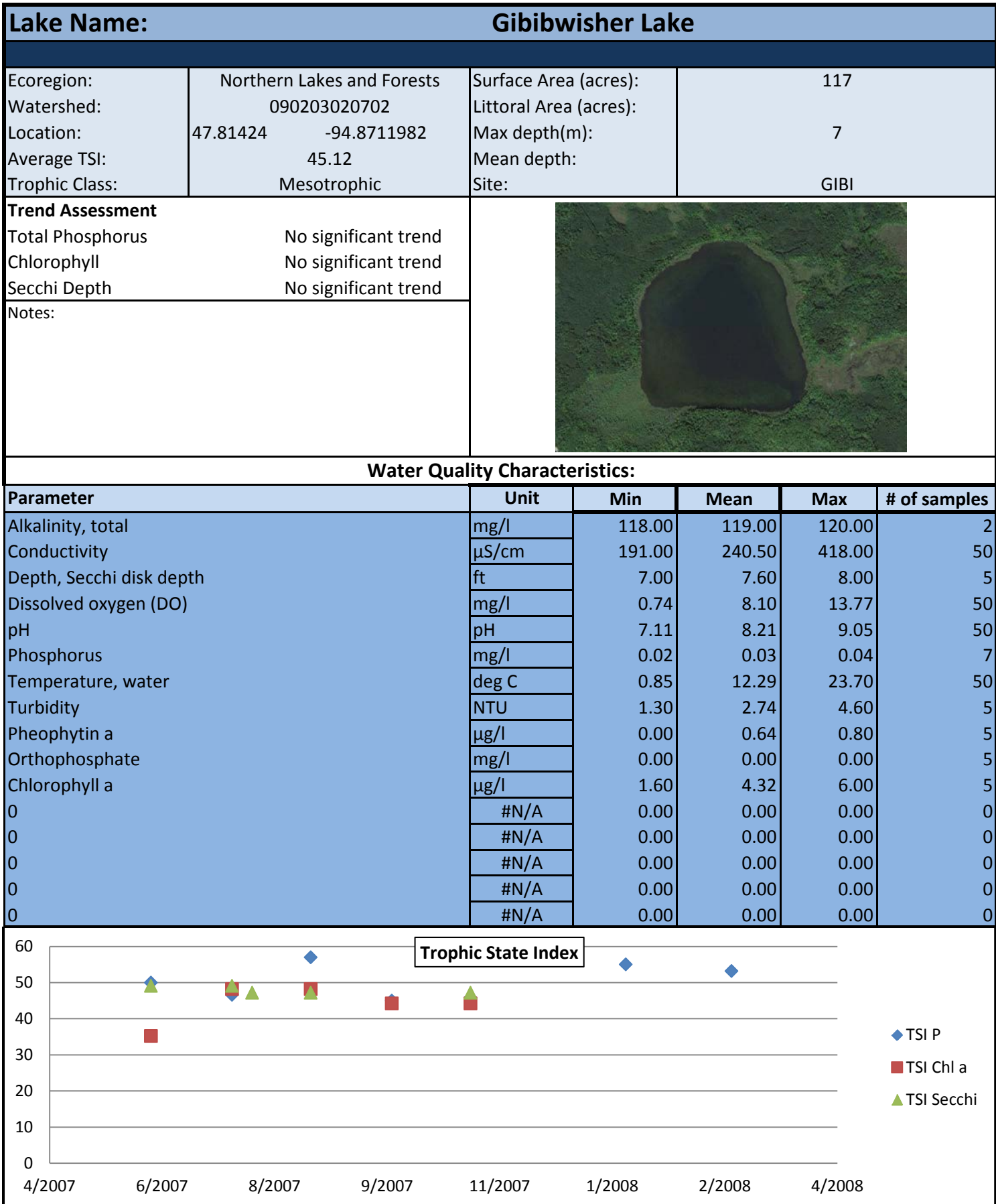


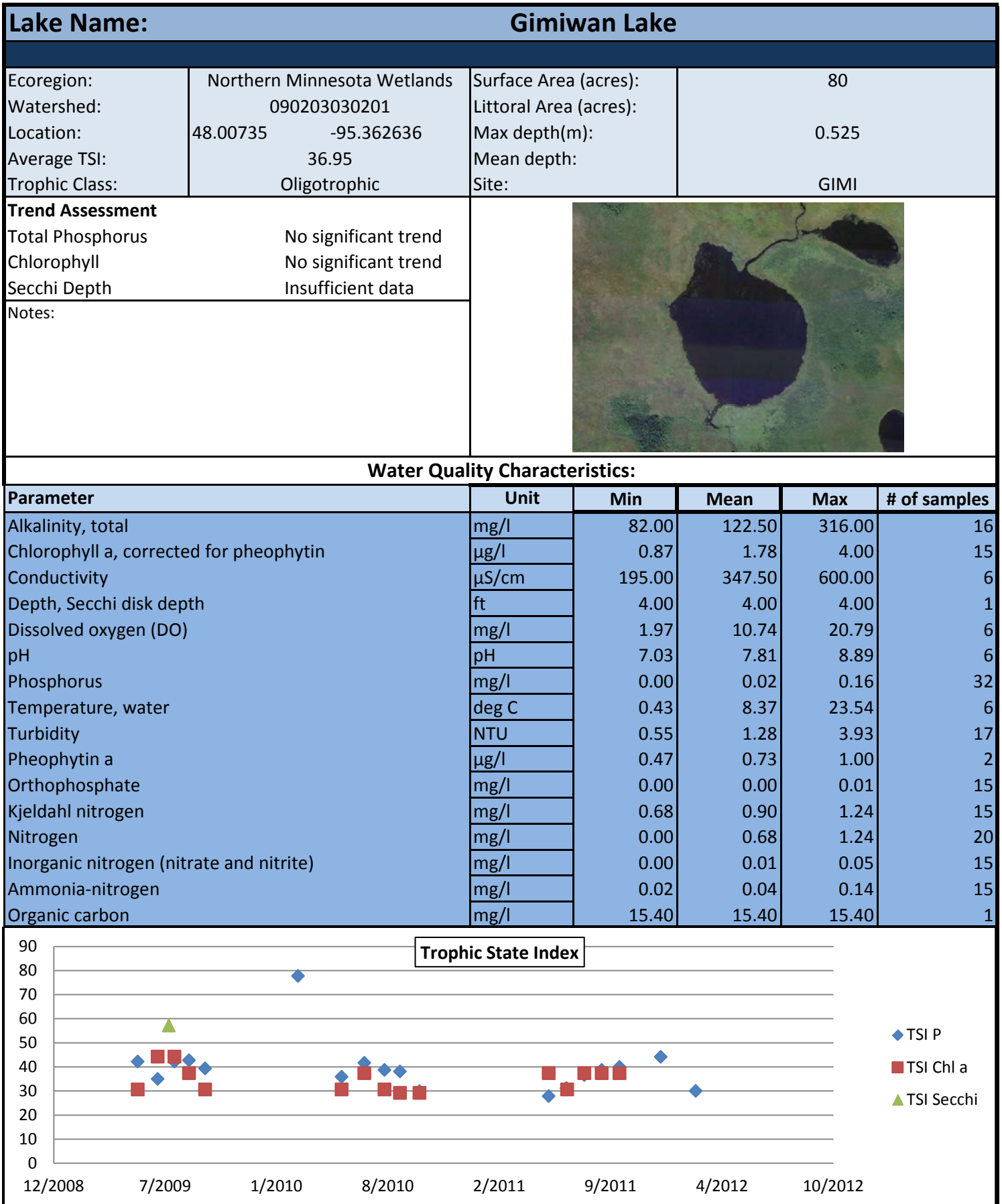


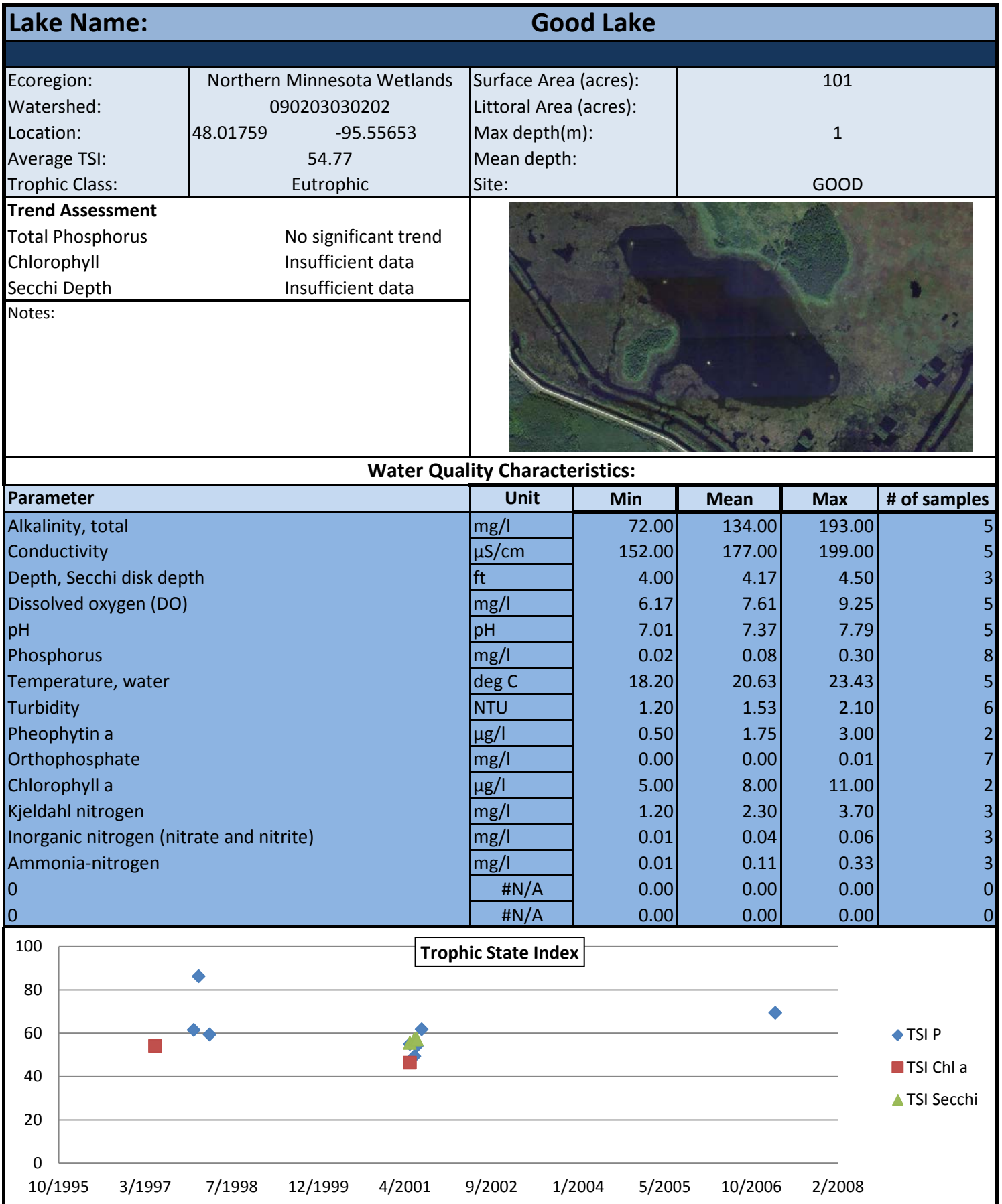


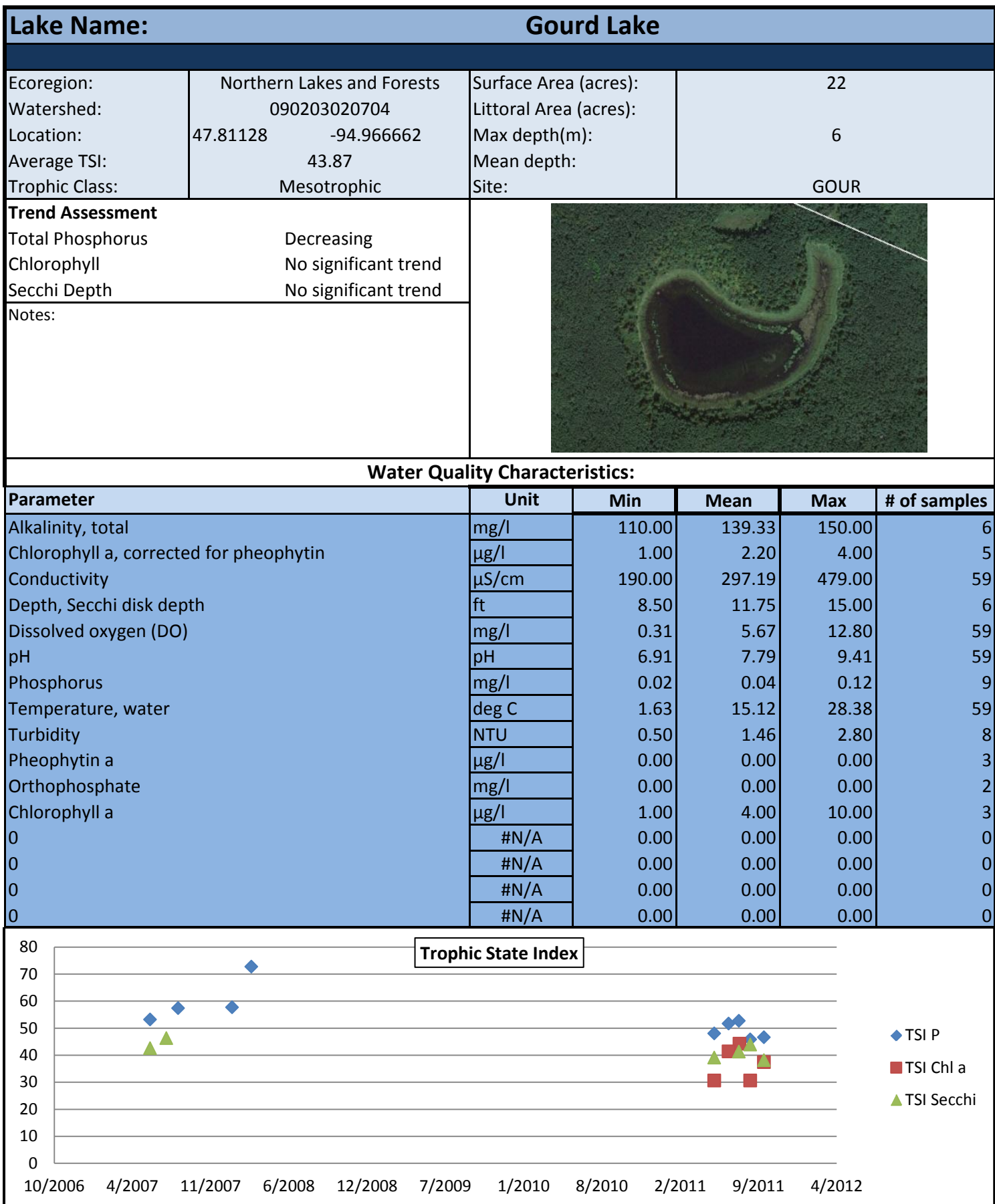


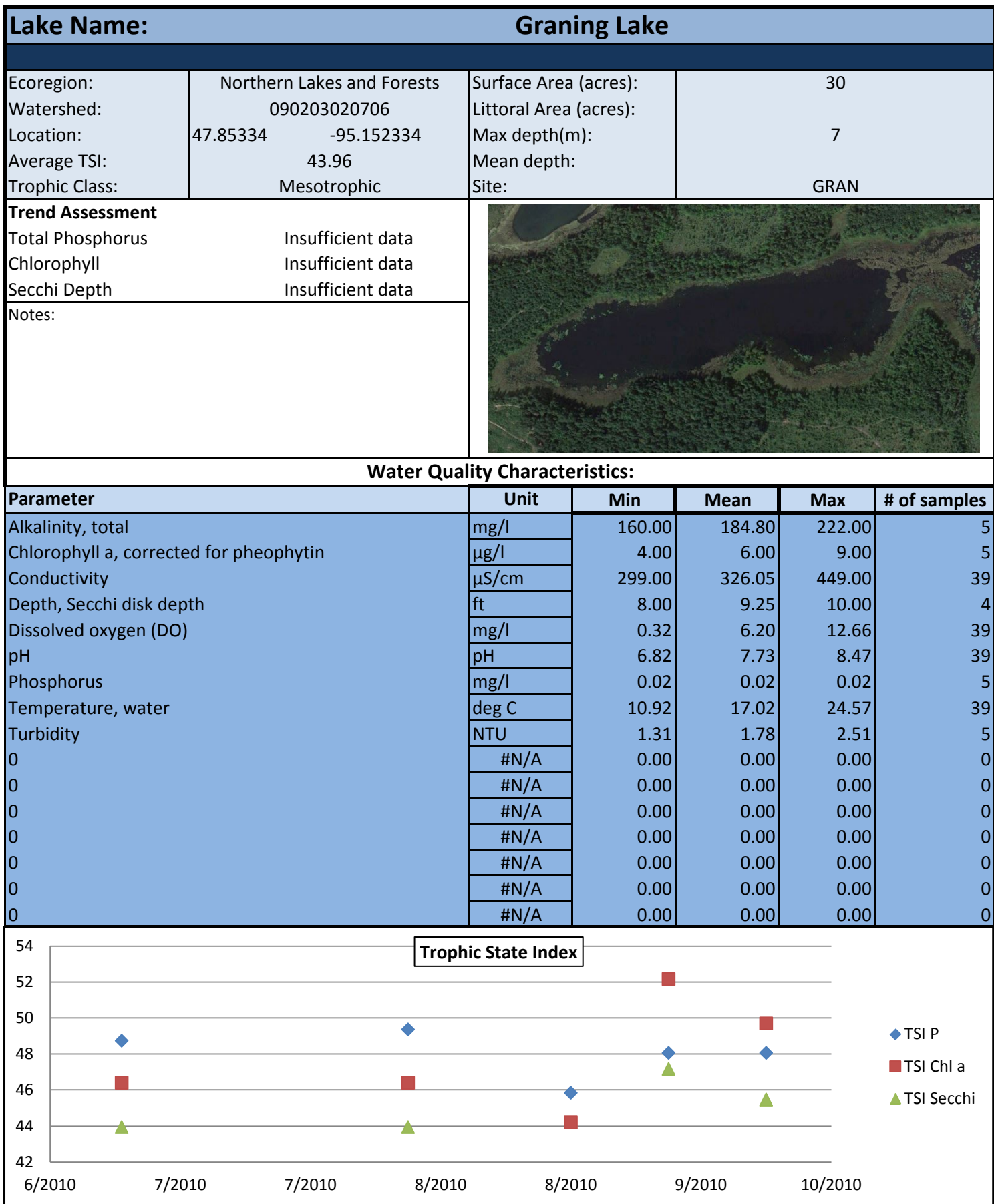


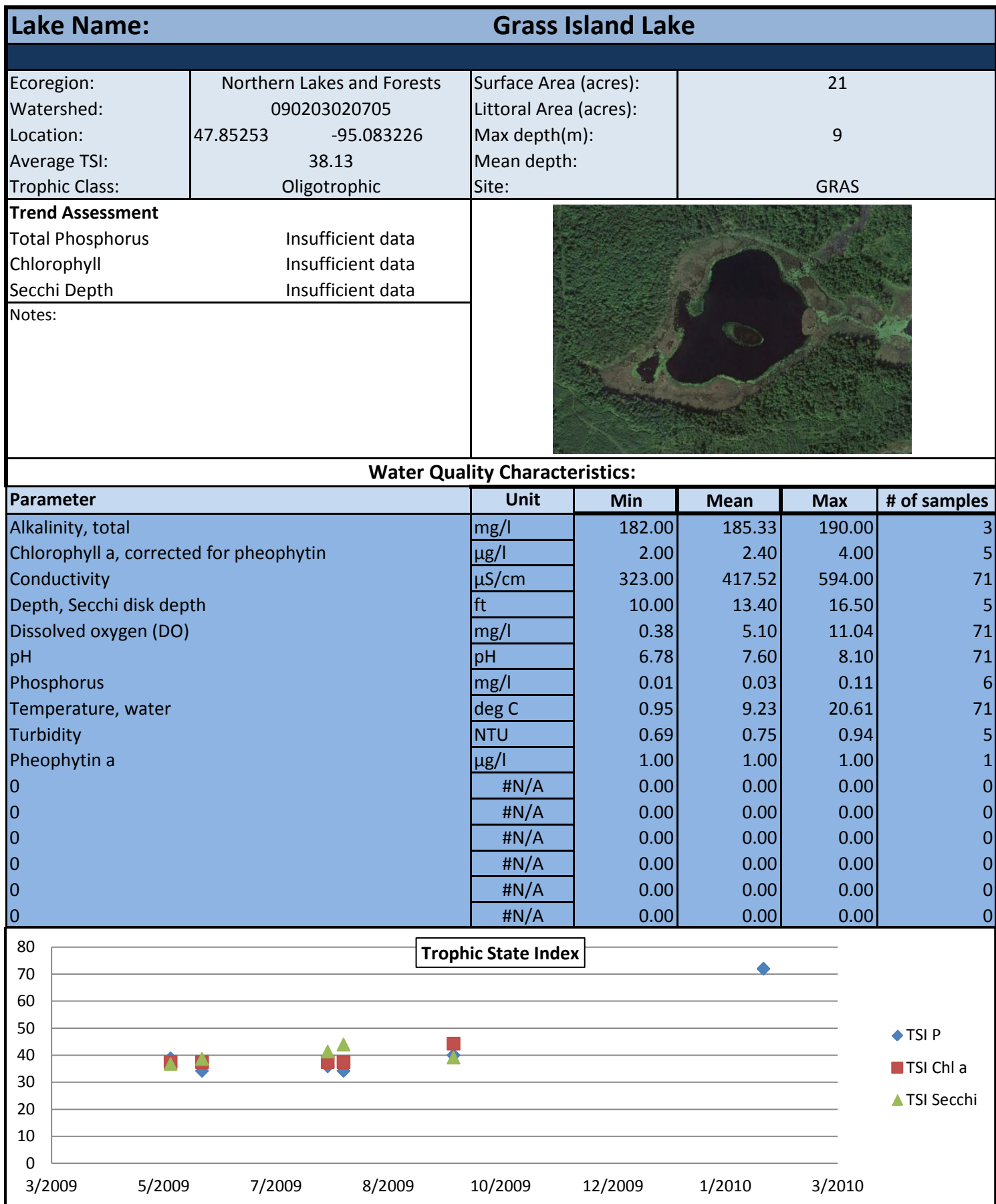


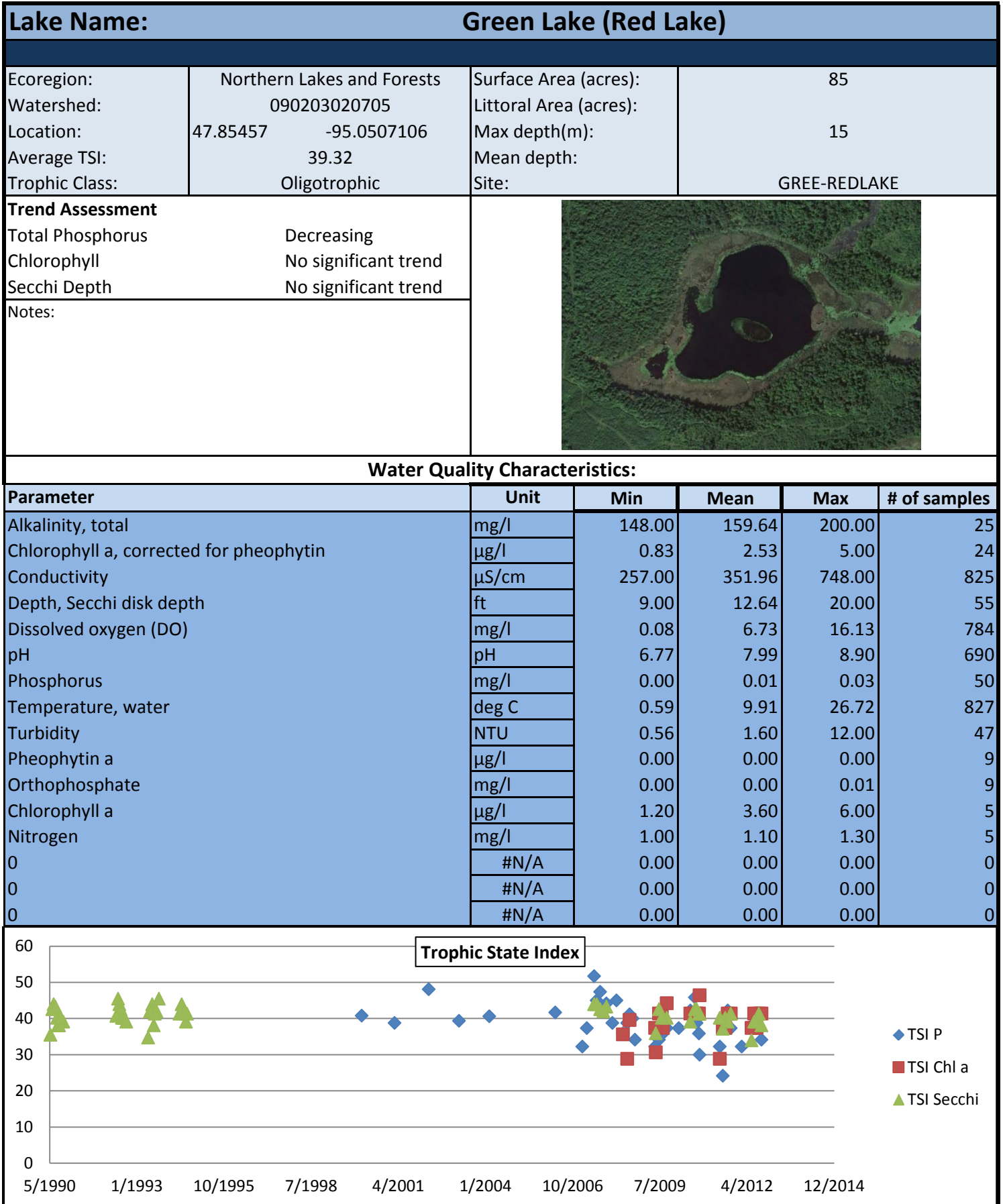


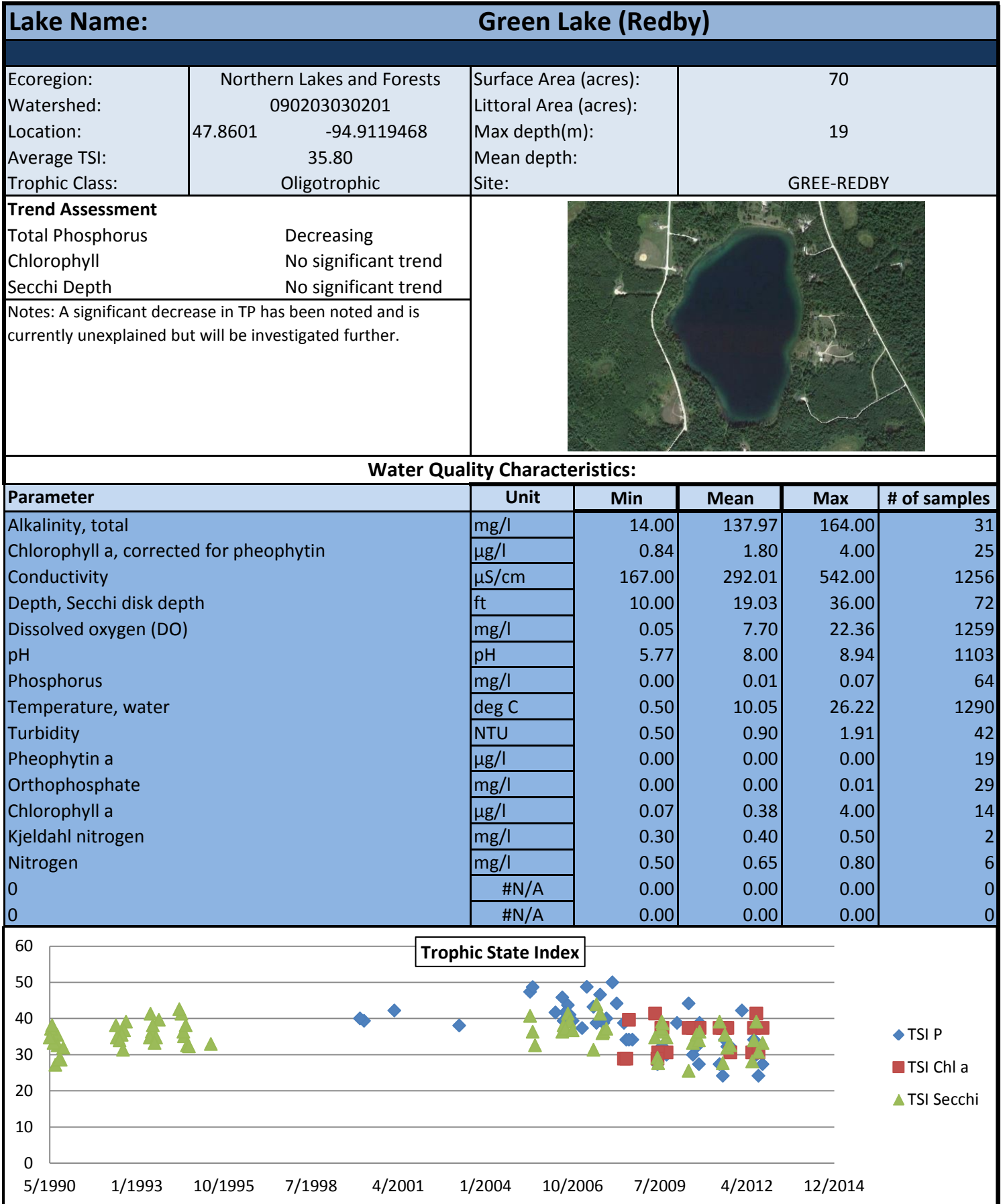


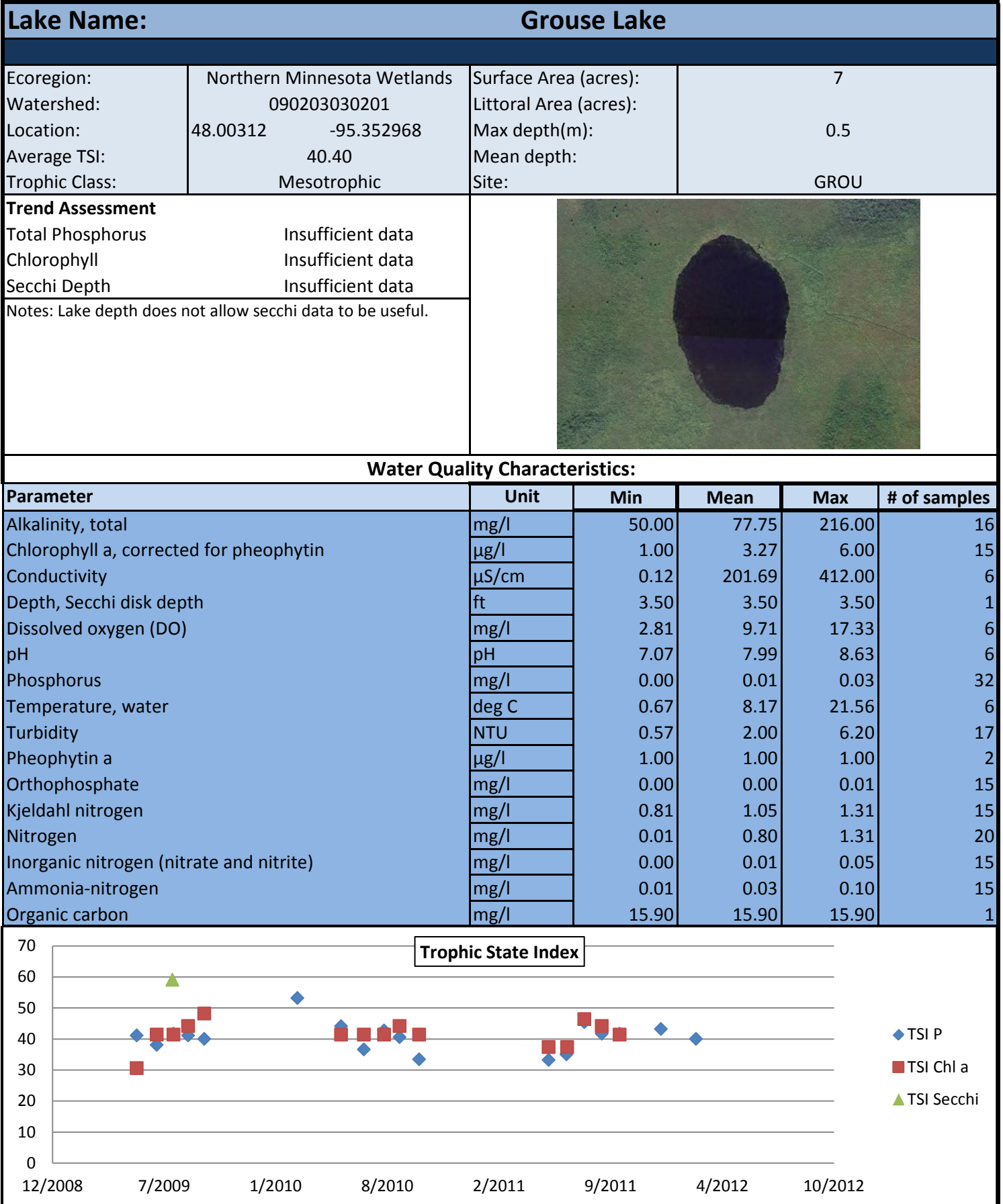


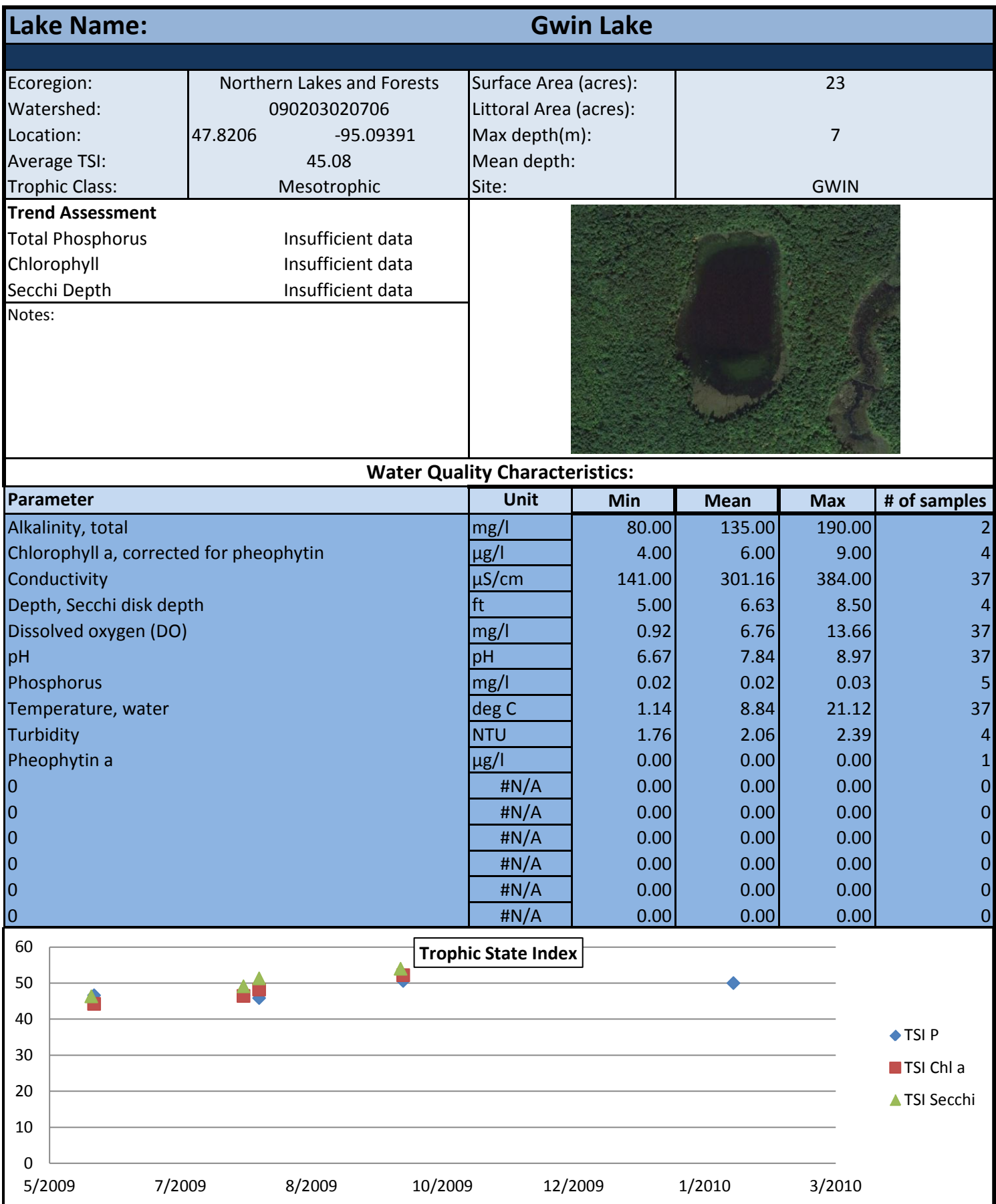


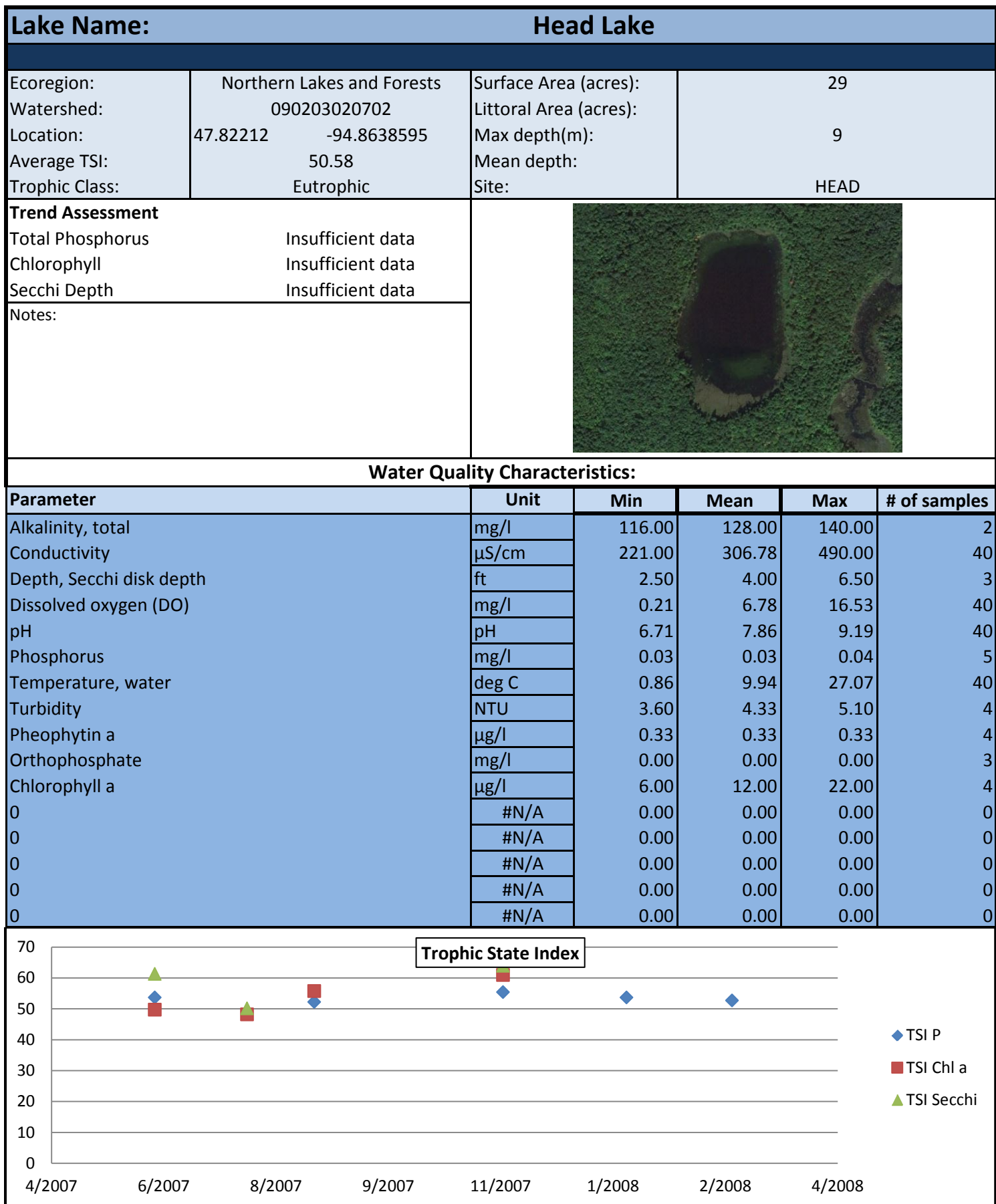


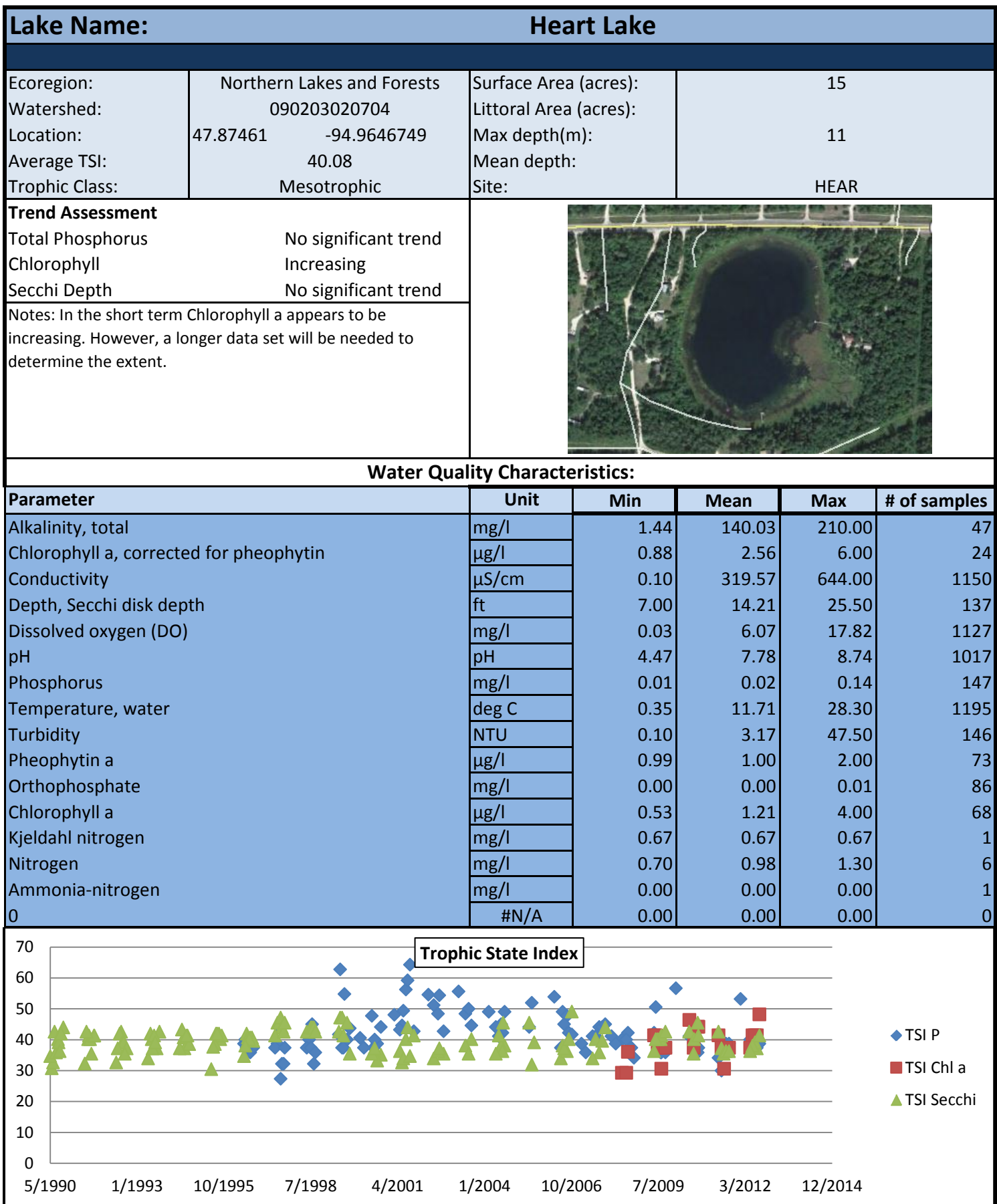


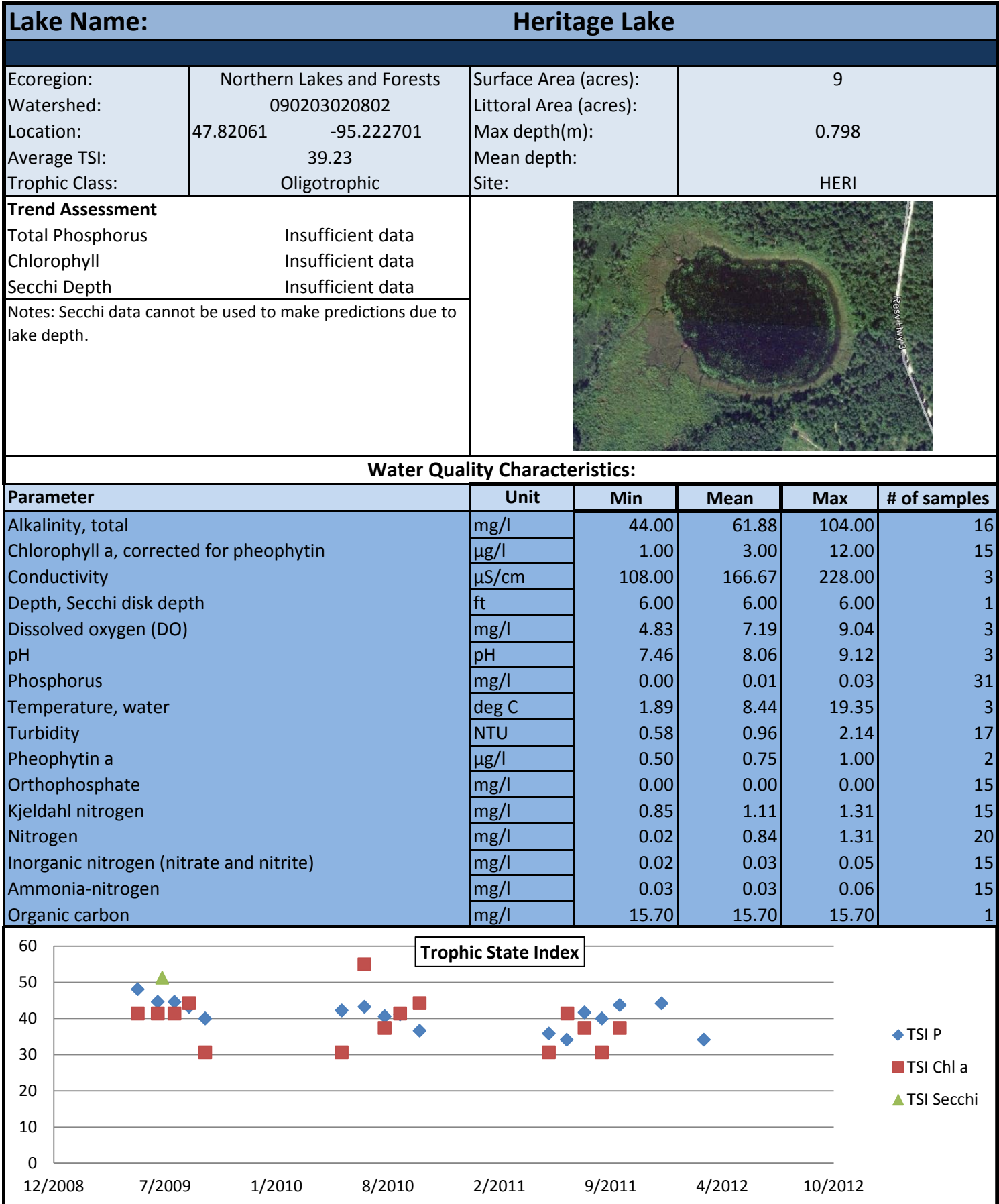


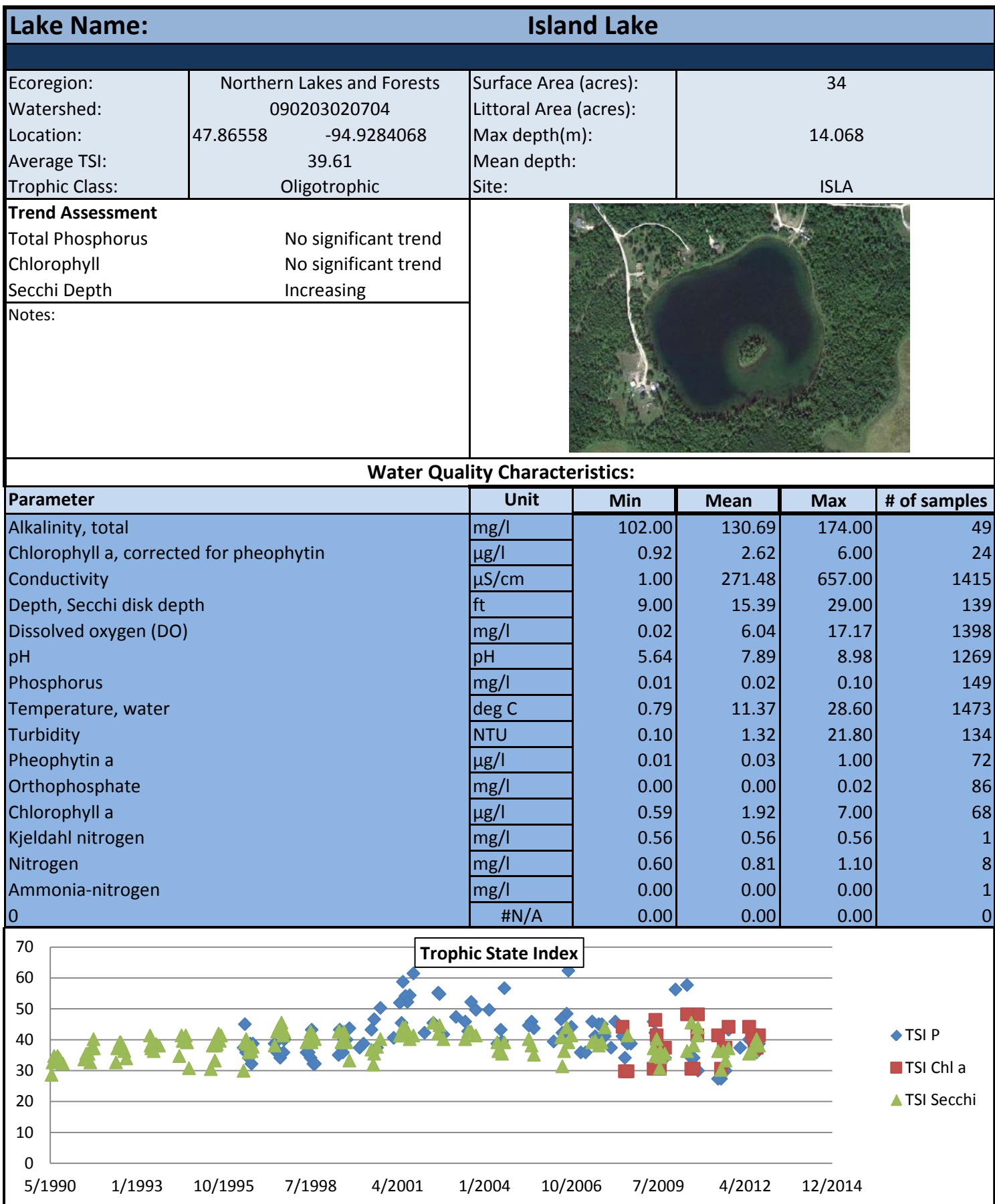


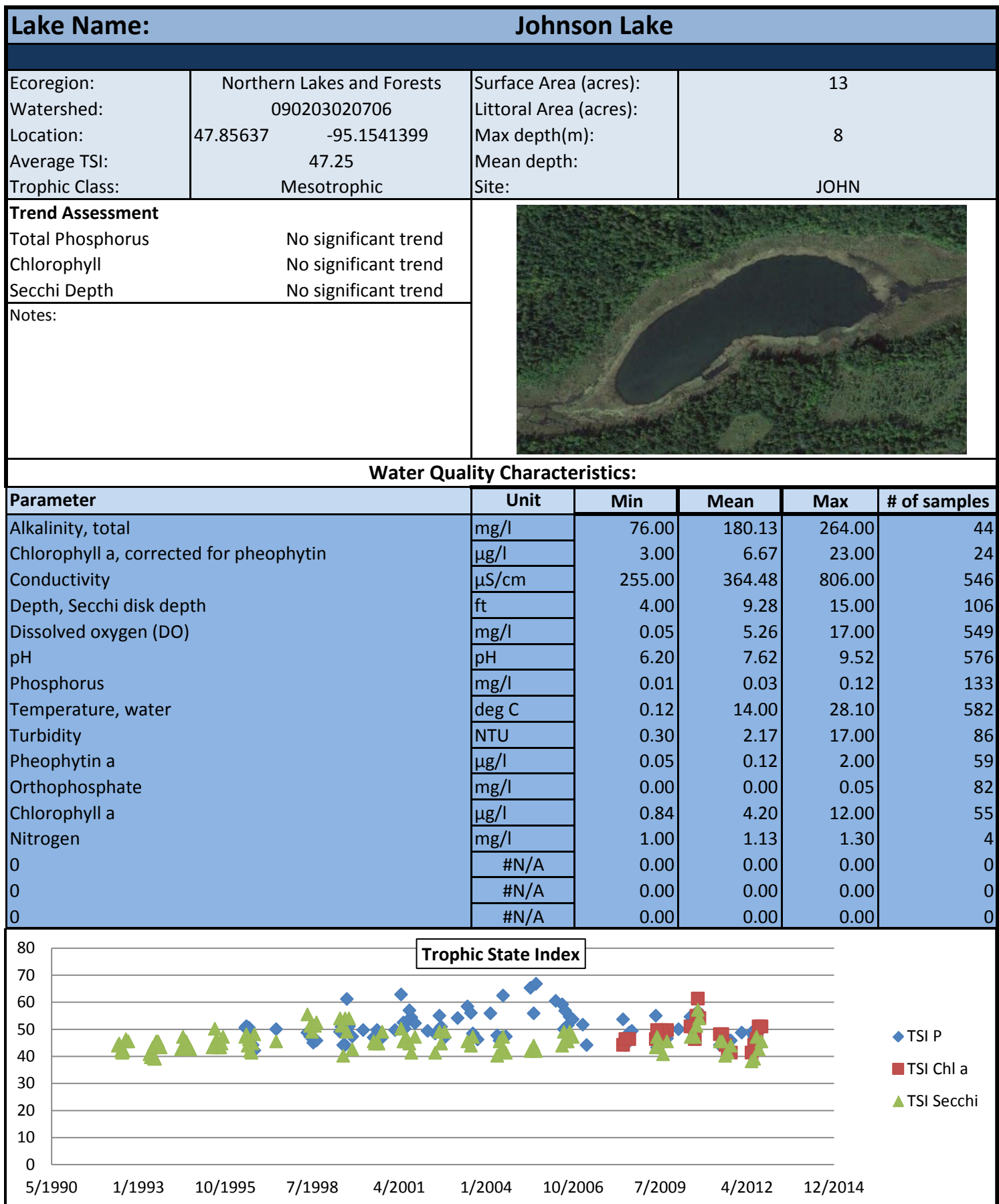


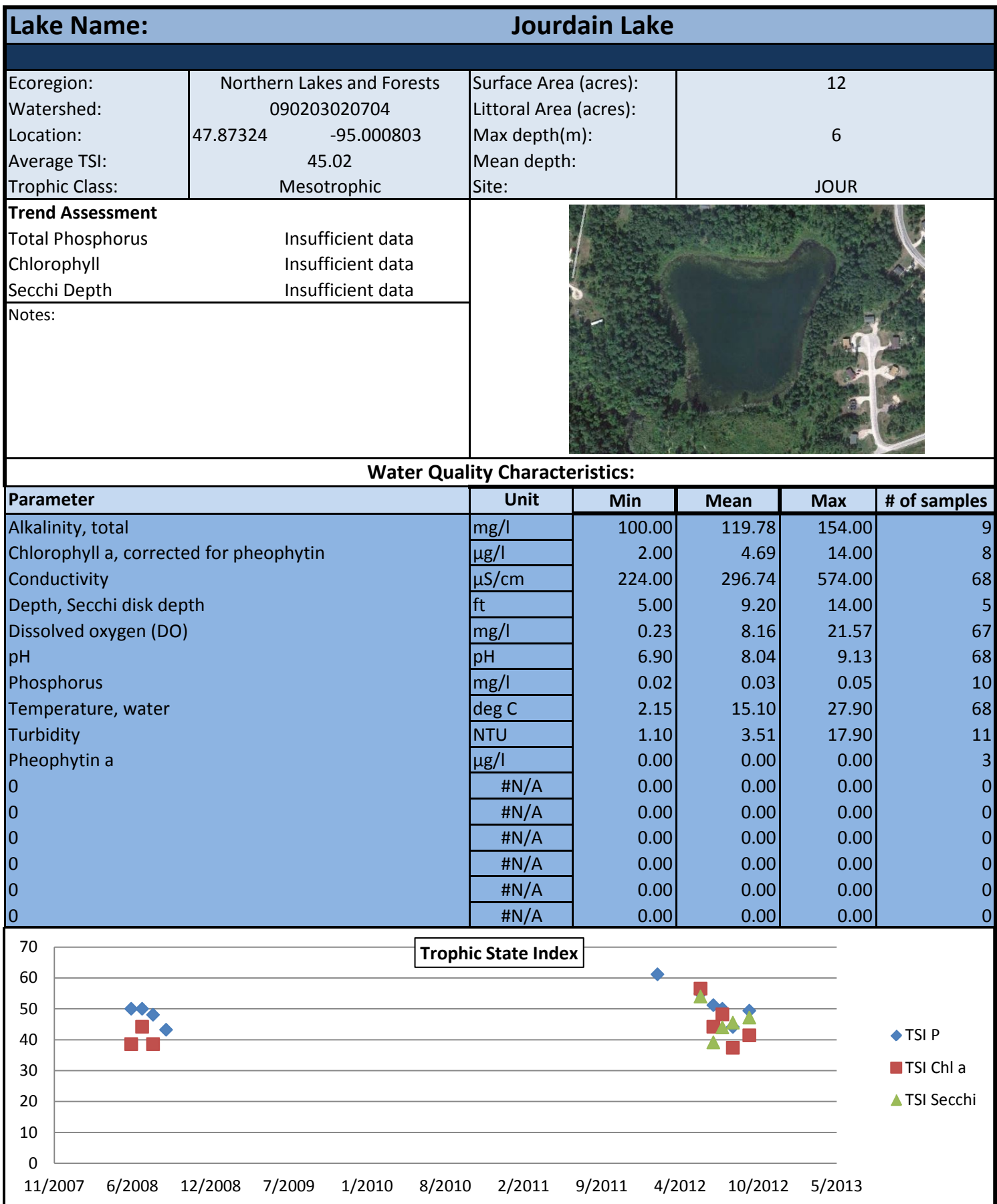


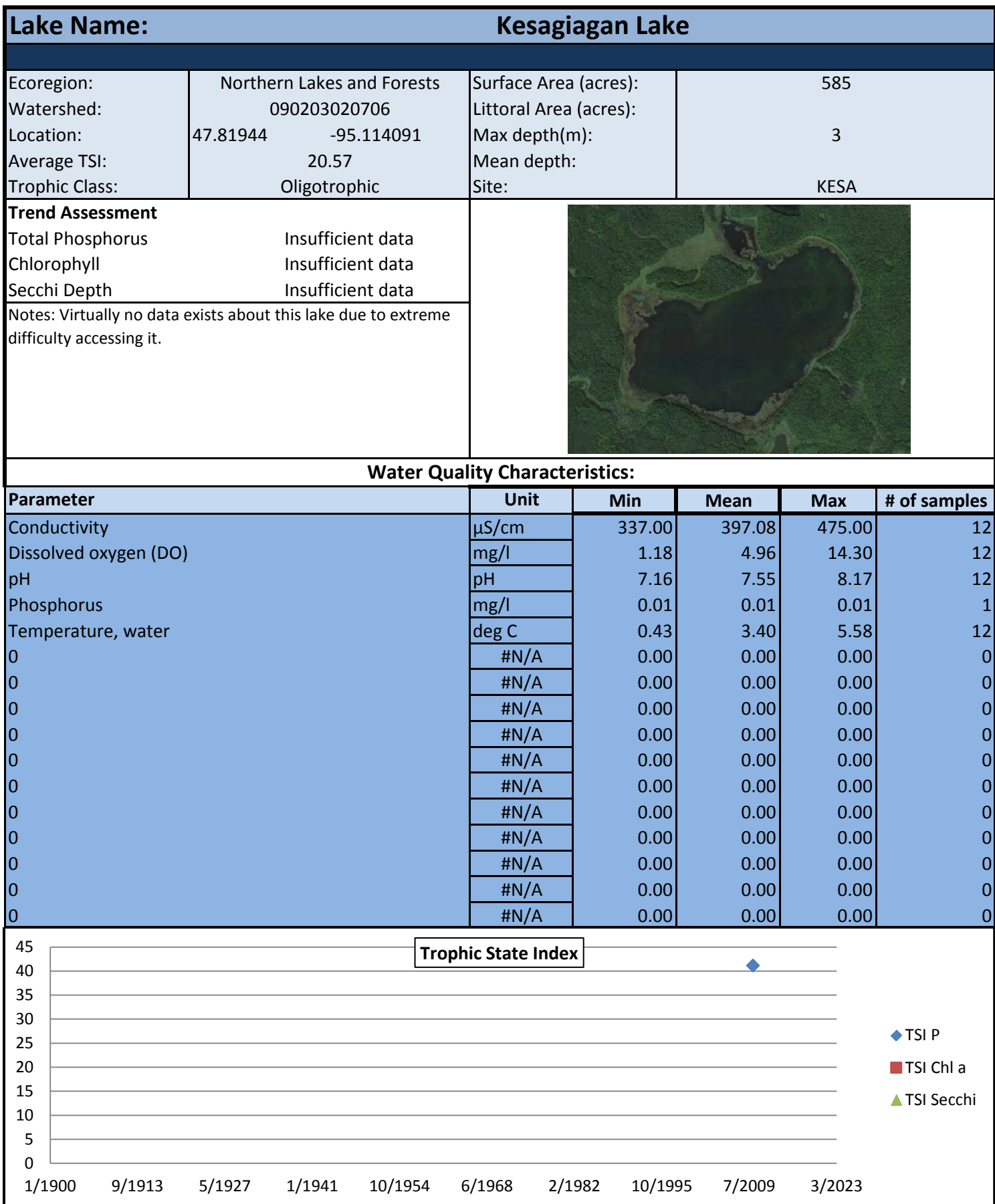


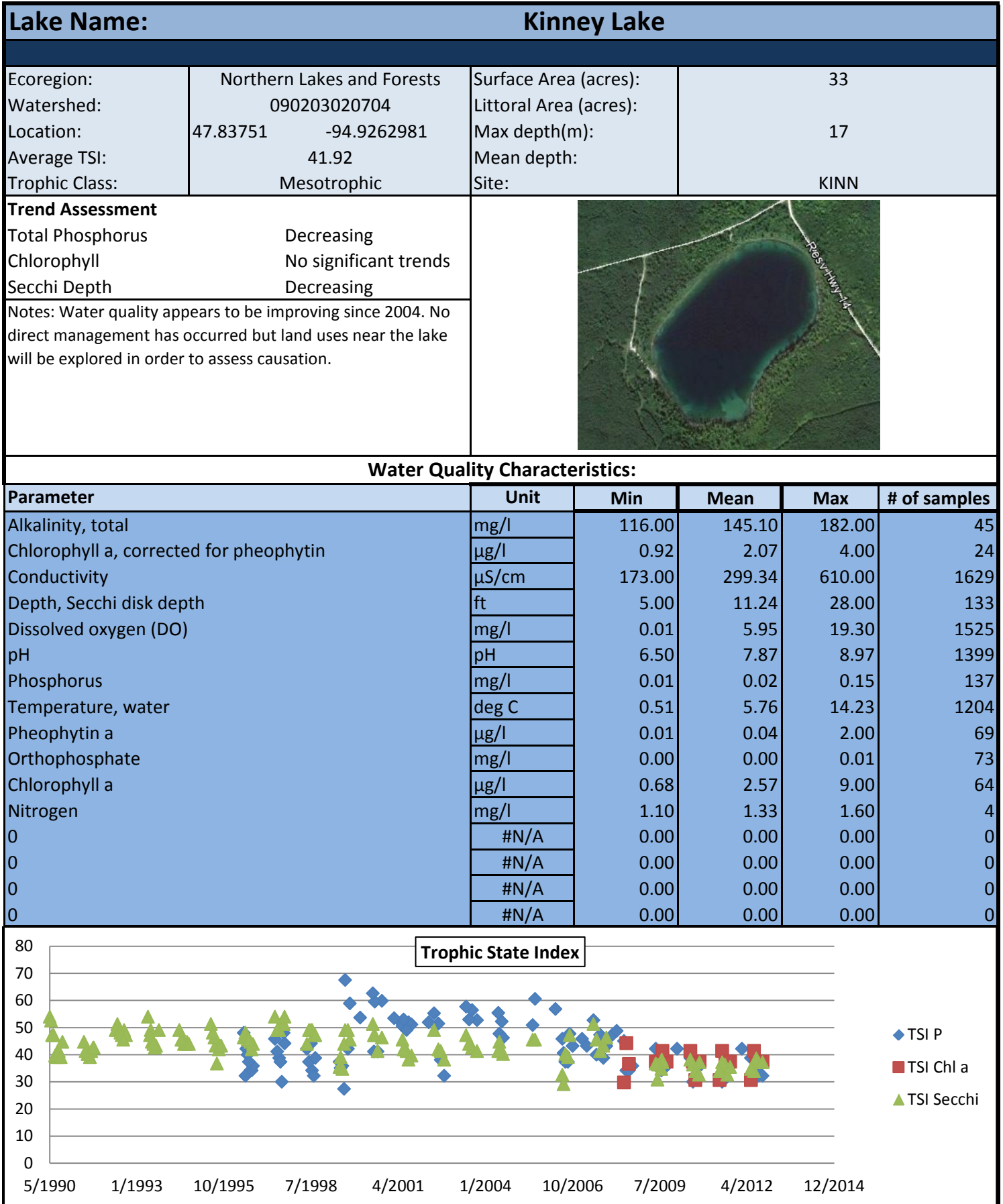


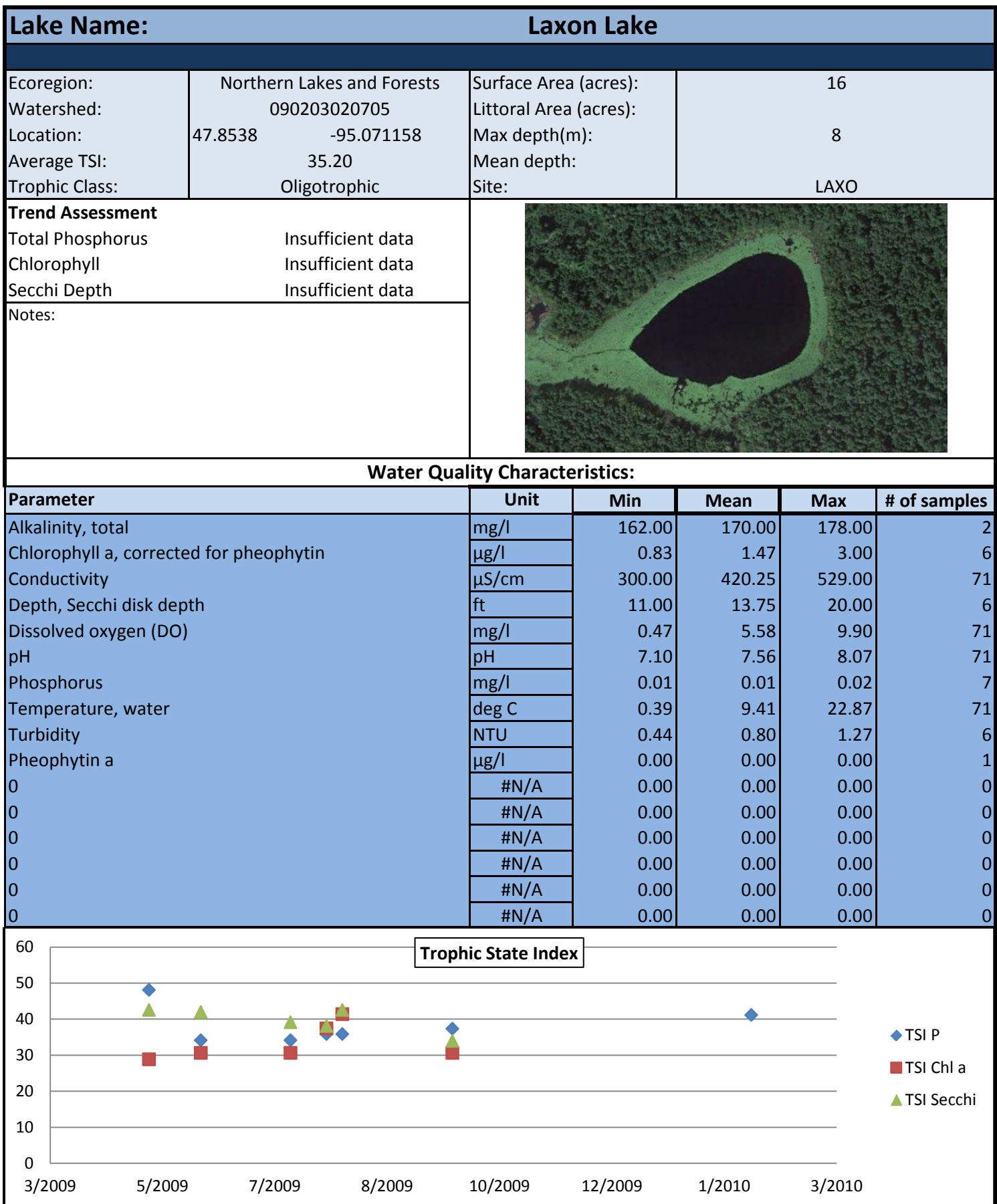


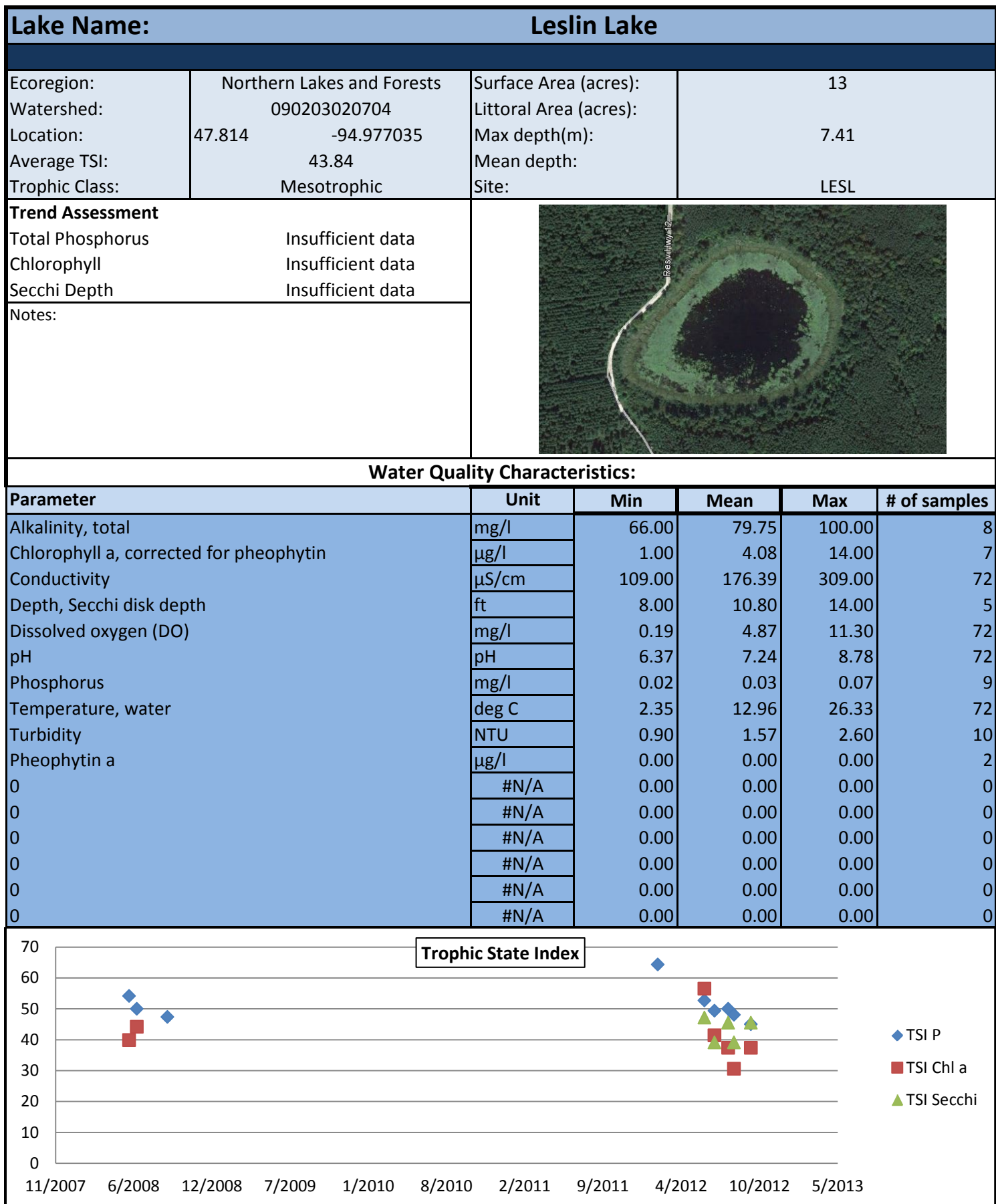


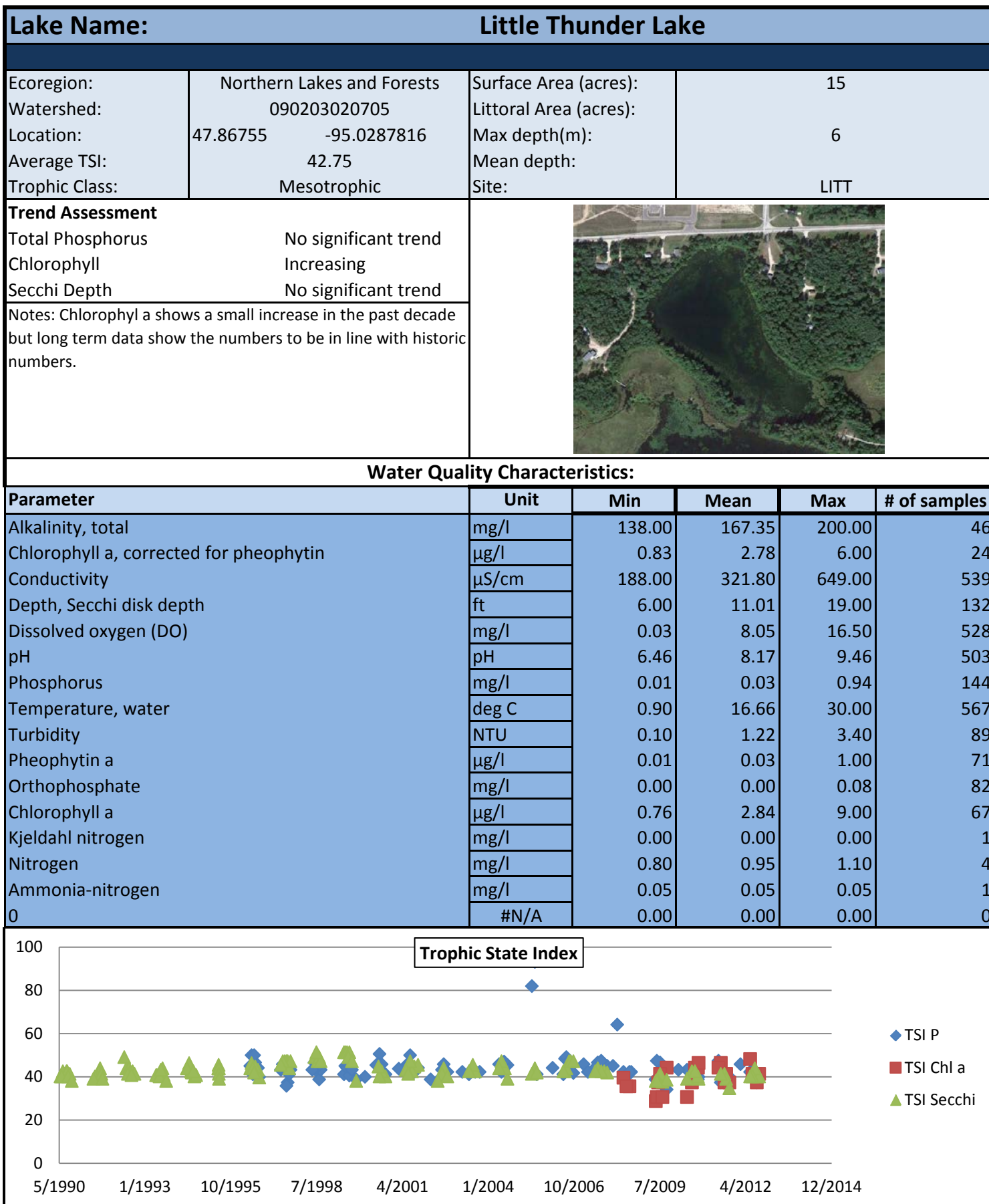


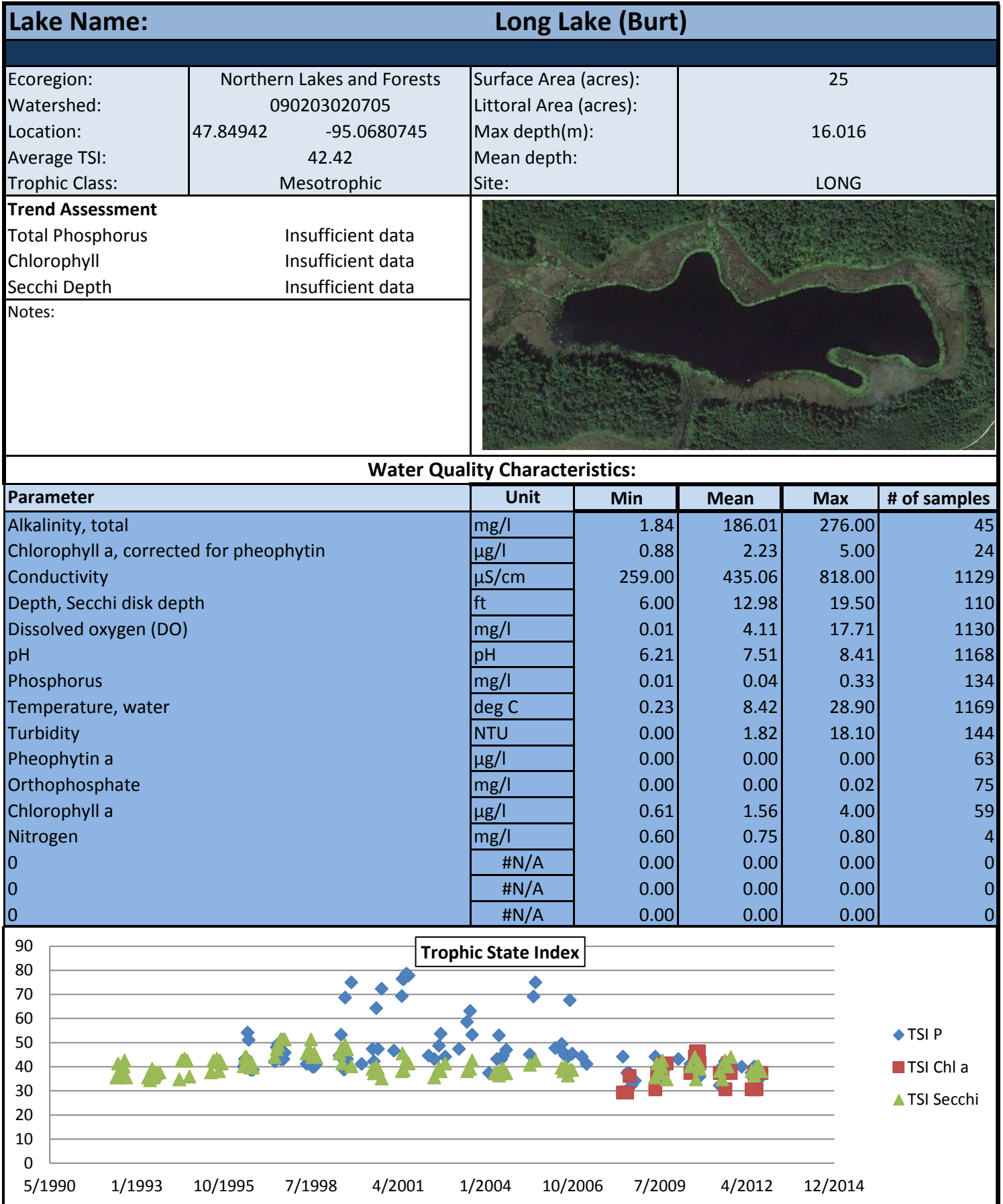












Lake Name: Lower Red Lake : Central

Ecoregion:	Northern Minnesota Wetlands	Surface Area (acres):	164548
Watershed:	090203030201	Littoral Area (acres):	
Location:	47.95862 -95.0183418	Max depth(m):	9
Average TSI:	55.22	Mean depth:	
Trophic Class:	Eutrophic	Site:	LRC

Trend Assessment

Total Phosphorus	Increasing
Chlorophyll	Increasing
Secchi Depth	No significant trend

Notes: Chlorophyll a and TP are both showing a slight increasing trend.



Water Quality Characteristics:

Parameter	Unit	Min	Mean	Max	# of samples
Alkalinity, total	mg/l	13.96	140.37	169.00	65
Chlorophyll a, corrected for pheophytin	µg/l	1.00	12.08	27.00	25
Conductivity	µS/cm	219.00	286.15	572.00	1020
Depth, Secchi disk depth	ft	1.50	3.91	8.00	119
Dissolved oxygen (DO)	mg/l	0.10	9.66	18.77	1192
pH	pH	4.52	8.28	8.85	878
Phosphorus	mg/l	0.01	0.03	0.07	197
Temperature, water	deg C	0.00	15.20	24.15	1209
Turbidity	NTU	0.40	4.95	13.00	101
Pheophytin a	µg/l	0.03	0.13	5.00	67
Orthophosphate	mg/l	0.00	0.00	0.02	182
Chlorophyll a	µg/l	1.00	9.79	28.00	62
Kjeldahl nitrogen	mg/l	0.46	0.82	1.21	96
Nitrogen	mg/l	0.10	0.76	1.00	20
Inorganic nitrogen (nitrate and nitrite)	mg/l	0.00	0.01	0.62	91
Ammonia-nitrogen	mg/l	0.00	0.03	0.62	92

