

Sample ID	Sampling site	Read counts		Species frequencies per site	Diversity indices
E1	Kenani	491,436		2,953	0.62
E2	Mwatishi	479,862		4,009	0.26
E3	Kabuta	946,128		4,200	0.60
E4	Lunchinda	483,137		933	0.60
E5	Putu	664,801		1,055	0.02
E6	Kafulwe	515,277		133	0.37
E7	Kilwa Islands	509,279		212	0.41
E10	Chipita	429,306		290	0.42
E11	Luapula River I	500,689		48	0.42
E12	Pembe lagoon	507,137		173	0.79
E13	Luche lagoon	550,662		13	0.81
E14	Lukwesa	631,132		14	0.81
E15	Kabula lagoon	685,626		20	0.66
E16	Kashiba	657,845		109	0.64
E17	Mulundu	619,985		716	0.19
E18	Luapula River II	636,373		665	0.67
sd		125,806.8		1,425.1	0.2
p-value					
r					

Statistical Package for the Social Sciences (SPSS)

READ COUNTS VS SPECIES FREQUENCIES

SUMMARY OUTPUT Species frequencies per site

Regression Statistics

Multiple R	0.31
R Square	0.10
Adjusted R Square	0.03
Standard Error	123717.73
Observations	16.00

ANOVA

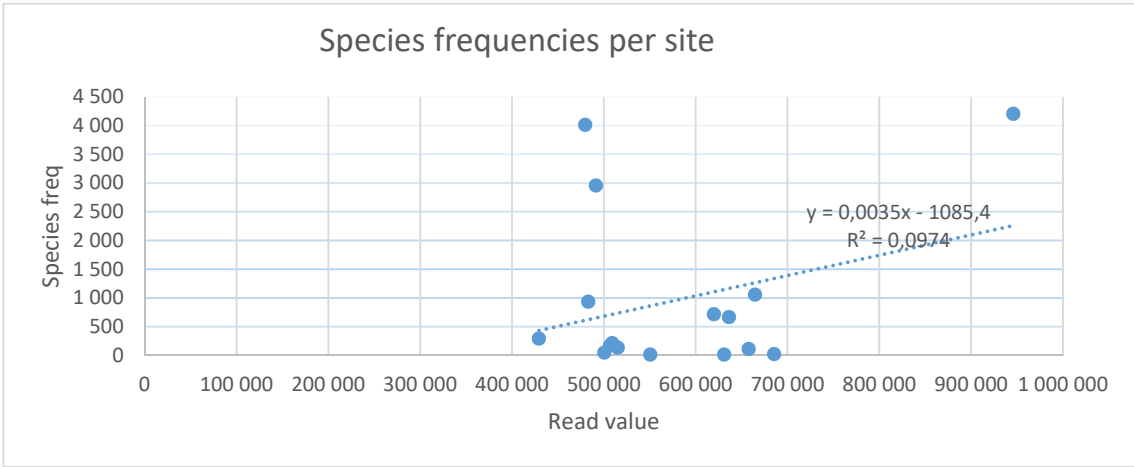
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1.00	23125165563.39	23125165563.39	1.51	0.24
Residual	14.00	214285077973.05	15306076998.08		
Total	15.00	237410243536.44			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	555027.07	37825.68	14.67	0.00	473899.06	636155.07	473899.06	636155.07
X Variable 1	27.55	22.42	1.23	0.24	-20.52	75.63	-20.52	75.63

SUMMARY OUTPUT							
<i>Regression Statistics</i>							
Multiple R	0.312099						
R Square	0.097406						
Adjusted R Square	0.032935						
Standard Error	123717.7						
Observations	16						
<i>ANOVA</i>							
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>		
Regression	1	2.31E+10	2.31E+10	1.510848637	0.239269236		
Residual	14	2.14E+11	1.53E+10				
Total	15	2.37E+11					
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i> <i>Upper 95.0%</i>
Intercept	555027.1	37825.68	14.67329	6.80853E-10	473899.062	636155.1	473899.1 636155.1
Species frequencies per site	27.55208	22.41526	1.229166	0.239269236	-20.52388395	75.62804	-20.5239 75.62804

SUMMARY OUTPUT									
<i>Regression Statistics</i>									
Multiple R	0.098348								
R Square	0.009672								
Adjusted R Square	-0.06107								
Standard Error	129591.1								
Observations	16								
<i>ANOVA</i>									
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>				
Regression	1	2.3E+09	2.3E+09	0.136734768	0.717082469				
Residual	14	2.35E+11	1.68E+10						
Total	15	2.37E+11							
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>	
Intercept	554058.2	81700.21	6.7816	8.85583E-06	378828.6462	729287.7	378828.6	729287.7	
Diversity indices	53527.64	144756.7	0.369777	0.717082469	-256944.5811	363999.9	-256945	363999.9	

<i>Read counts</i>	<i>Species frequencies per site</i>		<i>Diversity indices</i>		
Mean	581792.1875	Mean	971.4375	Mean	0.518125
Standard Error	31451.69865	Standard Error	356.2726246	Standard Error	0.0577871
Median	532969.5	Median	251	Median	0.6
Mode	#N/A	Mode	#N/A	Mode	0.6
Standard Deviation	125806.7946	Standard Deviation	1425.090499	Standard Deviation	0.231148401
Sample Variance	15827349569	Sample Variance	2030882.929	Sample Variance	0.053429583
Kurtosis	3.755291974	Kurtosis	1.471585599	Kurtosis	-0.227845444
Skewness	1.640526787	Skewness	1.67205063	Skewness	-0.631593903
Range	516822	Range	4187	Range	0.79
Minimum	429306	Minimum	13	Minimum	0.02
Maximum	946128	Maximum	4200	Maximum	0.81
Sum	9308675	Sum	15543	Sum	8.29
Count	16	Count	16	Count	16
Confidence Level(95.0%)	67037.7088	Confidence Level(95.0%)	759.3771239	Confidence Level(95.0%)	0.123170289
R-Values (in yellow)					



1. READ COUNTS VS DIVERSITY INDICES

SUMMARY OUTPUT Diversity indices

<i>Regression Statistics</i>	
Multiple R	0.098
R Square	0.010
Adjusted R Square	-0.061
Standard Error	129591.099
Observations	16.000

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1.000	2296303570.887	2296303570.887	0.137	0.717
Residual	14.000	235113939965.550	16793852854.682		
Total	15.000	237410243536.437			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	554058.177	81700.214	6.782	0.000	378828.646	729287.708	378828.646	729287.708
X Variable 1	53527.644	144756.692	0.370	0.717	-256944.581	363999.869	-256944.581	363999.869

Diversity indices

