

TABLE 21.--Taxa and number of periphyton

[See figures 2 and 4 for location of stations. Results are based on number of organisms per square millimeter and rounded to standard significant figures (Slack and others, 1973)]

IRRAAP

CLASSIFICATION	Redwood Creek at South Park Boundary, near Orick			Bridge Creek near Orick			Harry Wier Creek near Orick			Miller Creek near Orick			Miller Creek at mouth, near Orick			Redwood Creek above Hayes Creek, near Orick			Hayes Creek near Orick			Lost Man Creek near Orick			Little Lost Man Creek at site no. 2, near Orick			West Branch Mill Creek below Red Alder Campground, near Orick			East Fork Mill Creek near Crescent City			Mill Creek near Crescent City			CLASSIFICATION																																	
	May 9- July 16, 1974	July 16- Sept. 13, 1974	July 30- Sept. 5, 1975	May 13- July 15, 1974	July 15- Sept. 16, 1974	June 7- July 31, 1975	May 13- July 15, 1974	July 15- Sept. 16, 1974	June 1- July 31, 1975	May 10- July 16, 1974	July 16- Sept. 17, 1974	May 31- July 28, 1975	May 14- July 16, 1974	July 16- Sept. 17, 1974	May 31- July 28, 1975	May 15- July 15, 1974	July 15- Aug. 1- Sept. 5, 1975	May 15- July 15, 1974	July 15- Sept. 14, 1974	May 10- July 15, 1974	July 15- Sept. 15, 1974	June 2- July 27, 1975	May 10- July 15, 1974	July 15- Sept. 14, 1974	June 2- July 27, 1975	May 21- July 16, 1974	July 16- Sept. 12, 1974	June 5- July 29, 1975	May 21- July 16, 1974	July 16- Sept. 12, 1974	June 5- July 29, 1975	May 20- July 16, 1974	July 16- Sept. 12, 1974	June 5- July 29, 1975																																				
DIVISION																																					DIVISION																																	
CLASS																																					CLASS																																	
Order																																					Order																																	
Suborder																																					Suborder																																	
Family																																					Family																																	
Genus species																																					Genus species																																	
CHLOROPHYTA																																					CHLOROPHYTA																																	
CHLOROPHYCEAE																																					CHLOROPHYCEAE																																	
Chlorococcales																																					Chlorococcales																																	
Oocystaceae																																					Oocystaceae																																	
Ankistrodesmus falcatus																																					Ankistrodesmus falcatus																																	
Selenastrum minutum	1																																			31	5	8	2	6											5																			
Scenedesmaeae																																					Scenedesmaeae																																	
Crucigenia tetrapedia																																					Crucigenia tetrapedia																																	
Scenedesmus abundans																																					Scenedesmus abundans																																	
Scenedesmus dimorphus	1																																			1											5																							
Scenedesmus sp.																																					Scenedesmus sp.																																	
Ulotrichales																																					Ulotrichales																																	
Ulotrichineae																																					Ulotrichineae																																	
Ulotrichaceae																																					Ulotrichaceae																																	
Ulothrix sp. (individual cells)																																					Ulothrix sp. (individual cells)																																	
Volvocales																																					Volvocales																																	
Chlamydomonadaeae																																					Chlamydomonadaeae																																	
Chlamydomonas sp.																																					Chlamydomonas sp.																																	
Volvocaceae																																					Volvocaceae																																	
Eudorina elegans (individual cells)																																					Eudorina elegans (individual cells)																																	
Zygnematales																																					Zygnematales																																	
Zygnemataceae																																					Zygnemataceae																																	
Mougeotia sp. (individual cells)																																					Mougeotia sp. (individual cells)																																	
Spirogyra sp. (individual cells)	20																																			3											79																							
Zygnema sp. (individual cells)																																					Zygnema sp. (individual cells)																																	
CHRYSOPHYTA																																					CHRYSOPHYTA																																	
BACILLARIOPHYCEAE																																					BACILLARIOPHYCEAE																																	
Centrales																																					Centrales																																	
Coccolodiscineae																																					Coccolodiscineae																																	
Coccolodiscaceae																																					Coccolodiscaceae																																	
Cyclotella sp.																																					Cyclotella sp.																																	
Melosira varians	2	58																																		1	2	130											15	34	30	680	9																	
Pennales																																					Pennales																																	
Achnantheae																																					Achnantheae																																	
Achnanthes lanceolata																																					Achnanthes lanceolata																																	
Achnanthes minutissima	400																																			6	36	1	790	220	140	24	200	31	540	19	660	32	10	1,200	11	260	360	40	120	670	380	120	750	100	6	10	22	1,100						
Achnanthes sp.																																					Achnanthes sp.																																	
Cocconeis placentula	58	30																																		110	820	8	220	6	270	9	2	5	390	5	27	3	5	27	<1	600	170	70	16	60	78	13	440	290	18	330	160	78	32					
Rhoicosphenia curvata																																					Rhoicosphenia curvata																																	
Fragilarineae																																					Fragilarineae																																	
Diatomaceae																																					Diatomaceae																																	
Diatoma hiemale																																					Diatoma hiemale																																	
Diatoma vulgare	61	2																																		13	2,500											620	170						29															
Eunotiaceae																																					Eunotiaceae																																	
Eunotia pectinalis																																					Eunotia pectinalis																																	
Eunotia sp.																																					Eunotia sp.																																	
Fragilariaceae																																					Fragilariaceae																																	
Fragilaria vaucheriae																																					Fragilaria vaucheriae																																	
Synedra amphicephala																																					Synedra amphicephala																																	
Synedra rumpens	120	1																																		11	7	2											2	1	41	450											6	2	27	1	1	61	25	140
Synedra ulna																																					Synedra ulna																																	
Synedra sp.																																					Synedra sp.																																	
Naviculineae																																					Naviculineae																																	
Cymbellaceae																																					Cymbellaceae																																	
Cymbella cistula																																					Cymbella cistula																																	
Cymbella mexicana																																					Cymbella mexicana																																	
Cymbella sinuata																																					Cymbella sinuata																																	
Cymbella sp.																																					Cymbella sp.																																	
Epithemia sorex	590	1	<1	25	2,400	180											11	1,100	2,100											11	1,100	2,100						<1																																
Epithemia turgida																																					Epithemia turgida																																	
Rhopalodia gibba	140																																			4	14	9											11	1,100	2,100											11	1,100	2,100						<1
Gomphonemataceae																																					Gomphonemataceae																																	
Gomphonopsis herculeana																																					Gomphonopsis herculeana																																	
Gomphonema angustatum	6	13																																		21											10	710	330											24	1	32	130	520	4	370	8	200	8	91
Naviculaceae																																					Naviculaceae																																	
Navicula cincta																																					Navicula cincta																																	
Navicula cryptocephala																																					Navicula cryptocephala																																	
Navicula exigua																																					Navicula exigua																																	
Navicula globulifera																																					Navicula globulifera																																	
Navicula menisculus																																					Navicula menisculus																																	
Navicula viridula																																					Navicula viridula																																	
Navicula sp.																																					Navicula sp.																																	
Pinnularia sp.																																					Pinnularia sp.																																	
Stauroneis sp.																																					Stauroneis sp.																																	
Surirellineae																																					Surirellineae																																	
Nitzschiaceae																																					Nitzschiaceae																																	
Nitzschia acicularis																																					Nitzschia acicularis																																	
Nitzschia dissipata																																					Nitzschia dissipata																																	
Nitzschia hantzschiani																																					Nitzschia hantzschiani																																	
Nitzschia linearis																																					Nitzschia linearis																																	
Nitzschia palea																																					Nitzschia palea																																	
Nitzschia romana																																					Nitzschia romana																																	
Nitzschia sp.	4	4																																		21	6	26											120											12	100	2	4	4	4	4	4			
Surirellaceae																																					Surirellaceae																																	
Surirella angustata																																					Surirella angustata																																	
CYANOPHYTA																																					CYANOPHYTA																																	
MYXOPHYCEAE																																					MYXOPHYCEAE																																	
Chamaesiphonales																																					Chamaesiphonales																																	
Chamaesiphonaceae																																					Chamaesiphonaceae																																	
Chamaesiphon sp.																																					Chamaesiphon sp.																																	
Chroococcales																																					Chroococcales																																	
Chroococcaceae																																					Chroococcaceae																																	
Merismopedia sp. (individual cells)																																					Merismopedia sp. (individual cells)																																	
Oscillatoriales																																					Oscillatoriales																																	
Nostochineae																																					Nostochineae																																	
Nostocaceae																																					Nostocaceae																																	
Anabaena sp. (individual cells)																																					Anabaena sp. (individual cells)																																	
Oscillatorineae																																					Oscillatorineae																																	
Oscillatoriaceae																																					Oscillatoriaceae																																	
Oscillatoria sp. (individual cells)																																					Oscillatoria sp. (individual cells)																																	
PROTOZOA																																					PROTOZOA																																	
CILIOPHORA (subphylum)																																					CILIOPHORA (subphylum)																																	
MISCELLANEOUS																																					MISCELLANEOUS																																	
Rounded-unknown nonflagellates																																					Rounded-unknown nonflagellates																																	
Miscellaneous flagellates	17																																			5											1											31												
TOTAL NUMBER OF TYPES	5	9	5	8	7	13	6	4	11	2	7	3	3	12	3	5	14	8	1	7	4	10	8	13	14	7	20	10	3	8	5	4	14	16	TOTAL NUMBER OF TYPES																																			
TOTAL NUMBER OF ORGANISMS	930	490	49	97	2,500	240	1,100	1,100	430	240	570	300	560	130	670	610	1,400	6,900	1,200	11	950	830	130	1,500	2,400	2,400	200	2,400	470	71	350	3,100	180	2,000	TOTAL NUMBER OF ORGANISMS																																			