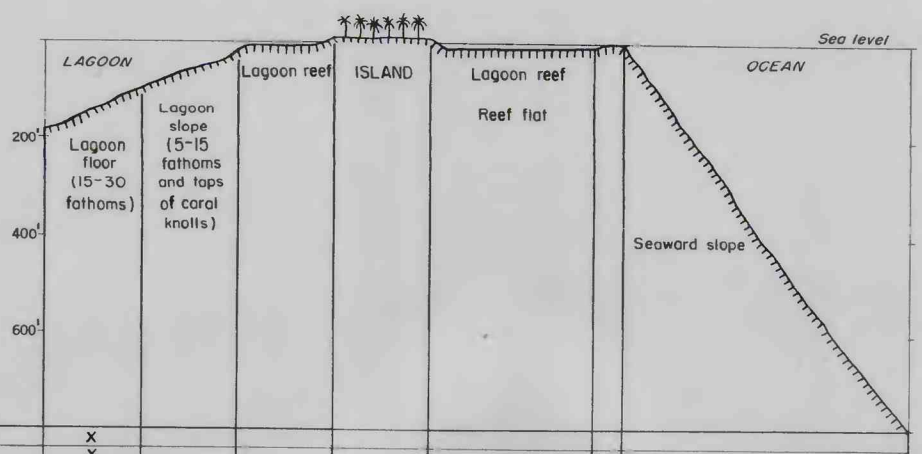

	Lagoon floor (15-30 fathoms)	Lagoon slope (5-15 fathoms and tops of coral knolls)	Lagoon reef	ISLAND	Lagoon reef Reef flat		OCEAN Seaward slope
Seriatopora angulata	X						
Acropora virgata	X						
tenella	X						
Montipora conicula	X						
granulata	X						
Leptoseris gardineri	X						
Cycloseris hexagonalis	X						
distorta	X						
fragilis	X						
Fungia fungites haimei	X						
Diploastrea heliopora	X						
Bikiniastrea laddi	X						
Hydnophora rigida	X						
Deltocyathus italicus	X						
Desmophyllum delicatum	X						
Dendrophyllia sp.	X						
Acropora formosa	X	X					
echinata	X	X					
arbuscula	X	X					
nobilis	X	X					
palifera β	X	X					
teres	X	X					
Montipora danae	X	X					
minuta	X	X					
socialis	X	X					
composita	X	X					
Anacropora gracilis	X	X					
Cycloseris patelliformis	X	X					
Rhizopsammia chamissoi	X	X					
Stylaster sp.	X	X					
Pocillopora eydouxi		X					
Acropora abrotanoides		X					
implicata		X					
Astreopora cf. gracilis		X					
Montipora cf. complanata		X					
hoffmeisteri		X					
Anacropora forbesi		X					
reptans		X					
Pavona minuta		X					
Leptoseris? mycetoseroides		X					
Fungia fungites stylifera		X					
concinna serrulata		X					
Goniopora somaliensis		X					
Porites murrayensis		X					
Errina sp.		X					
Acropora hyacinthus		X	X				
nasuta crassilabia		X	X				
Montipora cf. studeri		X	X				
Pocillopora meandrina nobilis			X				
Montipora cf. pallida			X				
turgescens			X				
Turbinaria crater			X				
cf. sinensis			X				
Heliopora coerulea β			X				
Acropora acuminata			X		X		
diversa			X		X		
striata			X		X		
Astreopora listeri			X		X		
Montipora caliculata			X		X		
foveolata			X		X		
ehrenbergii			X		X		
Fungia scutaria			X		X		
Porites andrewsi			X		X		
Goniastrea retiformis			X		X		
Symphyllia nobilis			X		X		
Acropora conferta					X		
microphthalma					X		
paniculata					X		
prostrata					X		
rosaria					X		
tubicinaria					X		
variabilis					X		
Astreopora ocellata					X		
Pavona varians					X		
Psammocora nierstraszi					X		
Fungia fungites dentata					X		
Favites abdita					X		
Echinopora lamellosa					X		
Culicia rubeola					X		
Lobophyllia corymbosa					X		
costata					X		
Acanthastrea hemprichii					X		
Euphyllia glabrescens					X		
Turbinaria mesenterina					X		
cf. stellulata					X		
aff. veluta					X		
Acropora palifera					X	X	
valida					X	X	
Porites lobata					X	X	
lichen					X	X	
Favites virens					X	X	
Pocillopora brevicornis						X	
Acropora danae						X	
palmerae						X	
ramiculosa						X	
myriophthalma						X	
Goniopora traceyi						X	
Favia favus						X	
rotumana						X	
Plesiastrea lilli						X	
Millepora exaesa						X	
Distichopora fisheri						X	
Pocillopora ligulata			X		X	X	
verrucosa			X		X	X	
Acropora digitifera			X		X	X	
cuneata			X		X	X	
palifera α			X		X	X	
rotumana			X		X	X	
spicifera			X		X	X	
squarrosa			X		X	X	
Montipora elschneri			X		X	X	
Coscinaraea columna			X		X	X	
Porites lutea			X		X	X	
superfusa			X		X	X	
Platygyra rustica			X		X	X	
Stylophora mordax		X	X		X	X	
Acropora humilis		X	X		X	X	
nasuta		X	X		X	X	
cymbicyathus		X	X		X	X	
Favia pallida		X	X		X	X	
Tubipora musica		X	X		X	X	
Millepora platyphylla		X	X		X	X	
Astreopora myriophthalma	X	X	X		X	X	
Seriatopora hystrix		X			X		
Acropora hystrix		X			X		
tizardi		X			X		
venosa		X			X		
Herpolitha limax		X			X		
Leptastrea purpurea		X			X		
Stylophora pistillata		X				X	
Pocillopora setchelli		X				X	
Porites australiensis		X				X	
Favia valenciennesii		X				X	
Turbinaria irregularis		X				X	
Acropora surculosa		X			X	X	
Montipora tuberculosa		X			X	X	
Pavona clavus		X			X	X	
Oulophyllia crispa		X	X		X		
Pocillopora danae	X	X				X	
Acropora corymbosa	X	X			X	X	
Plesiastrea versipora	X	X			X	X	
Lobophyllia hemprichii	X				X	X	
Acropora delicatula	X	X			X		
polymorpha			X				
Stylocoeniella armata	X	X	X		X	X	
Pocillopora elegans		X					
Acropora rayneri	X						
Montipora verrilli		X			X	X	
Pavona (Pseudocolumnastrea) pollicata							
Leptoseris incrustans	X						
? mycetoseroides	X						
Psammocora (Plesioseris) haimeana							
Parahalomitra robusta							
Porites fragosa							
studeri							
(Synaraea) hawaiiensis	X	X			X	X	
Favia stelligera					X		
helianthoides					X		
Favites flexuosa					X		
Goniastrea pectinata					X		
Hydnophora microconos							
Plesiastrea russelli							
Heliopora coerulea α		X	X		X	X	
Stylaster elegans							
Distichopora violacea					X	X	
Pocillopora damicornis			X			X	
Madracis sp.							
Acropora rambleri	X						
reticulata		X			X		
vaughani	X	X					
Astreopora suggesta							
tabulata	X						
Montipora floweri		X					
marshallensis	X						
verrucosa	X						
Psammocora explanatula							
Alveopora ocellata							
Cyphastrea chalcidicum						X	
Echinophyllia aspera							
Oxypora lacera							
Pachyseris speciosa							
Cycloseris vaughani							
Parahalomitra dentata							
Goniopora pulvinula							
Favia speciosa							
Cyphastrea serailia					X	X	
Millepora tenella							
Acropora syringodes							
Montipora colei							
granulosa							
Leptoseris hawaiiensis							
papyracea							
scabra							
Coscinaraea ostreaeformis							
Goniopora muscosa							
Caryophyllia rugosa							
Paracyathus parvulus							
Desmophyllum cristagalli							
Rhizopsammia minuta bikiniensis							
Leptoseris solida							
Stylaster asper	X						
Dactylotrochus cervicornis							
Sclerhelia alcockii							
Dendrophyllia fistula							
florentula							

	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Seriatopora angulata															
Acropora virgata															
tenella															
Montipora conicula															
granulata															
Leptoseris gardineri															
Cycloseris hexagonalis															
distorta															
fragilis															
Fungia fungites haimei															
Diploastrea heliopora															
Bikiniastrea laddi															
Hydnophora rigida															
Deltocyathus italicus															
Desmophyllum delicatum															
Dendrophyllia sp.															
Acropora formosa															
echinata															
arbuscula															
nobilis															
palifera β															
teres															
Montipora danae															
minuta															
socialis															
composita															
Anacropora gracilis															
Cycloseris patelliformis															
Rhizopsammia chamissoi															
Stylaster sp.															
Pocillopora eydouxi															
Acropora abrotanoides															
implicata															
Astreopora cf. gracilis															
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hoffmeisteri															
Anacropora forbesi															
reptans															
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Leptoseris? mycetoseroides															
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Montipora cf. studeri															
Pocillopora meandrina nobilis															
Montipora cf. pallida															
turgescens															
Turbinaria crater															
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ehrenbergii															
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variabilis															
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Pavona varians															
Psammocora nierstraszi															
Fungia fungites dentata															
Favites abdita															
Echinopora lamellosa															
Culicia rubeola															
Lobophyllia corymbosa															
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Turbinaria mesenterina															
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Acropora digitifera															
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Montipora elschneri															
Coscinaraea columna															
Porites lutea															
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Seriatopora hystrix															
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tizardi															
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Herpolitha limax															
Leptastrea purpurea															
Stylophora pistillata															
Pocillopora setchelli															
Porites australiensis															
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Acropora corymbosa															
Plesiastrea versipora															
Lobophyllia hemprichii															
Acropora delicatula															
polymorpha															
Stylocoeniella armata	X	X													
Pocillopora elegans	X														
Acropora rayneri	X	X	X												
Montipora verrilli	X														
Pavona (Pseudocolumnastrea) pollicata	X														
Leptoseris incrustans	X	X	X												
? mycetoseroides	X	X	X												
Psammocora (Plesioseris) haimeana	X														
Parahalomitra robusta	X														
Porites fragosa	X														
studeri	X														
(Synaraea) hawaiiensis	X														
Favia stelligera	X														
helianthoides	X														
Favites flexuosa	X														
Goniastrea pectinata	X	X	X												
Hydnophora microconos	X														
Plesiastrea russelli	X	X	X												
Heliopora coerulea α	X	X	X												
Stylaster elegans	X														
Distichopora violacea	X														
Pocillopora damicornis		X													
Madracis sp.		X	X	X											
Acropora rambleri		X	X												
reticulata		X													
vaughani		X													
Astreopora suggesta		X	X	X	X	?	?								
tabulata		X	X	X	X	?	?								
Montipora floweri		X	X												
marshallensis		X	X												
verrucosa		X	X												
Psammocora explanatula		X	X	X											
Alveopora ocellata		X	X	X											
Cyphastrea chalcidicum		X	X	X											
Echinophyllia aspera		X	X	X	X	?	?								
Oxypora lacera		X	X	X											
Pachyseris speciosa			X	X	X	?	?								
Cycloseris vaughani			X	X	X	X	X	?	?	?					
Parahalomitra dentata			X	X	X	X	X	?	?						
Goniopora pulvinula			X	X	X	X	?	?	?						
Favia speciosa			X	X											
Cyphastrea serailia			X	X											
Millepora tenella			X	X											
Acropora syringodes					X	X	?	?							
Montipora colei					X	X	?	?							
granulosa						X	X	?	?						
Leptoseris hawaiiensis						X	X	?	?						
papyracea						X	X	?	?						
scabra						X	X	?	?						
Coscinaraea ostreaeformis						X	X	X	?	?					
Goniopora muscosa						X	X	X	?	?					
Caryophyllia rugosa						X	X	X	?	?					
Paracyathus parvulus						X	X	X	?	?					
Desmophyllum cristagalli						X	X	X	?						
Rhizopsammia minuta bikiniensis						X	X	X	?						
Leptoseris solida							X	X	?						
Stylaster asper							X	X	?	?					
Dactylotrochus cervicornis								X	X						
Sclerhelia alcockii										X	X	X	?		
Dendrophyllia fistula												X	X		
florentula														X	

Seaward slope, in fathoms

Distribution of corals at Bikini Atoll