

Table 1 Frequency of Macroalgae species based on Line Transect and Quadrate survey on the shore platform, Dwarka

Sections	Months	Quadrat-1 (Q-1)	Quadrat-2 (Q-2)	Quadrat-3 (Q-3)	Quadrat-4 (Q-4)	Quadrat-5 (Q-5)	Quadrat-6 (Q-6)
		<i>Quadrat distance</i>	<i>0m (Q-1)</i>	<i>18m (Q-2)</i>	<i>24m (Sea)</i>		
			Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)
Northern Section	April	<i>Caulerpa sertularioides</i> (8 %) <i>Ulva fasciata</i> (7%)	<i>Caulerpa racemosa</i> (8%) <i>Caulerpa sertularioides</i> (2%)				
		<i>Udotea indica</i> (6%) <i>Cystoseria indica</i> (43%) <i>Sargassum</i> sp.(4%) <i>Centroceras clavulatum</i> (10%) <i>Hypnea pannosa</i> (3%)	<i>Udotea indica</i> (0.5%) <i>Padina boryana</i> (3%) <i>Iyengaria stellata</i> (0.25%) <i>Centroceras clavulatum</i> (22%) <i>Gelidiella acerosa</i> (7%)				
	June	<i>Quadrat distance</i> <i>4m (Q-1)</i> <i>Udotea indica</i> (18%) <i>Ahnfeltia plicata</i> (24%)	<i>15m (Q-2)</i> <i>Ahnfeltia plicata</i> (67%)	<i>26.6m (Q-3)</i> <i>Ahnfeltia plicata</i> (77%)	<i>60.6m (Q-4)</i> <i>Halimeda</i> sp.(29%)	<i>71.3m (Q-5)</i> <i>Halimeda</i> sp. (12%)	
	October	<i>Quadrat distance</i> <i>0m (Q-1)</i> <i>Ulva lactuca</i> (7%) <i>Gracilaria corticata</i> (31%) <i>Centroceras clavulatum</i> (26%) <i>Laurencia papillosa</i> (25%)	<i>38.8m (Q-2)</i> <i>Ulva lactuca</i> (14%) <i>Gelidiella acerosa</i> (58%)	<i>53.8m (Q-3)</i> <i>Ulva lactuca</i> (45%) <i>Centroceras</i> <i>clavulatum</i> (55%)	<i>67.8m (Sea)</i>		
Central Section	April	<i>Quadrat distance</i> <i>6m (Q-1)</i> <i>Udotea indica</i> (9%) <i>Cystoseira indica</i> (14%) <i>Centroceras clavulatum</i> (14%)	<i>12m (Q-2)</i> <i>Ulva fasciata</i> (13%) <i>Centroceras clavulatum</i> (87%)	<i>18m (Q-3)</i> <i>Caulerpa racemosa</i> (4%)	<i>27m (Q-4)</i> <i>Caulerpa racemosa</i> (40%) <i>Cystoseira indica</i> (81%) <i>Padina tetrastromatica</i> (7%)		

Continued Table 1

Sections	Month	Quadrat-1	Quadrat-2	Quadrat-3	Quadrat-4	Quadrat-5	Quadrat-6
Central Section	June	<i>Quadrat distance</i>	<i>14.6m (Q-1)</i>	<i>33.6 (Q-2)</i>	<i>40.6m (Q-3)</i>	<i>55.6m (Q-4)</i>	<i>70.6m (Q-5)</i>
		Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)
		<i>Valoniopsis pachynema</i> (22%)	<i>Valonia aegagropila</i> (76%)	<i>Valonia aegagropila</i> (28%)	<i>Valoniopsis pachynema</i> (2%)	<i>Valoniopsis pachynema</i> (29%)	<i>Halimeda sp.</i> (24%)
		<i>Gelidiella acerosa</i> (17%)	<i>Valoniopsis pachynema</i> (15%)		<i>Halimeda sp.</i> (1%)	<i>Caulerpa scalpeliformis</i> (18%)	<i>Caulerpa racemosa</i> (16%)
		<i>Ahnfeltia plicata</i> (10%)			<i>Gelidiella acerosa</i> (60%)	<i>Caulerpa taxifolia</i> (17%)	
					<i>Ahnfeltia plicata</i> (10%)	<i>Halimeda tuna</i> (11%)	
						<i>Caulerpa racemosa</i> (2%)	
		<i>Quadrat distance</i>	<i>0m (Q-1)</i>	<i>30.0m (Q-2)</i>	<i>67.8m (Q-3)</i>		
		October	<i>Ulva lactuca</i> (32%)	<i>Boodlea composita</i> (4%)	<i>Ulva lactuca</i> (50%)		
			<i>Boodlea composita</i> (4%)	<i>Sargassum sp.-1</i> (18%)	<i>Caulerpa racemosa</i> (19%)		
Southern Section	April	<i>Rosenvingea orientalis</i> (38%)	<i>Padina sp.</i> (4%)		<i>Valonia aegagropila</i> (16%)		
		<i>Sargassum sp.-2</i> (7%)	<i>Gelidiella acerosa</i> (38%)		<i>Boodlea composita</i> (10%)		
		<i>Gelidiella acerosa</i> (10%)					
		<i>Quadrat distance</i>	<i>12.5m (Q-1)</i>	<i>33.5m (Q-2)</i>	<i>69.5m (Q-3)</i>	<i>87.5m (Q-4)</i>	<i>93.5m (Q-5)</i>
		<i>Cladophoropsis javanica</i> (1%)	<i>Caulerpa racemosa</i> (5%)	<i>Caulerpa racemosa</i> (23%)	<i>Caulerpa veravalensis</i> (31%)	<i>Halimeda sp.</i> (20%)	<i>Caulerpa sertularioides</i> (50%)
		<i>Sargassum cinctum</i> (20%)	<i>Sargassum cinctum</i> (31%)	<i>Caulerpa</i> <i>sertularioides</i> (4%)	<i>Caulerpa</i> <i>sertularioides</i> (26%)	<i>Caulerpa veravalensis</i> (17%)	<i>Halimeda sp.</i> (35%)
		<i>Ahnfeltia plicata</i> (18%)	<i>Iyengaria stellata</i> (1%)	<i>Udotea indica</i> (1%)	<i>Halimeda sp.</i> (17%)	<i>Caulerpa sertularioides</i> (8%)	<i>Culerpa veravalensis</i> (4%)
		<i>Centroceras clavulatum</i> (14%)	<i>Centroceras clavulatum</i> (28%)	<i>Sargassum cinctum</i> (29%)	<i>Udotea indica</i> (6%)	<i>Caulerpa taxifolia</i> (3%)	<i>Sargassum cinctum</i> (30%)
			<i>Ahnfeltia plicata</i> (10%)	<i>Padina sp.</i> (3%)	<i>Cladophoropsis javanica</i> (5%)	<i>Caulerpa racemosa</i> (1%)	<i>Ahnfeltia plicata</i> (29%)
				<i>Ahnfeltia plicata</i> (17%)	<i>Sargassum cinctum</i> (41%)	<i>Sargassum cinctum</i> (37%)	
					<i>Ahnfeltia plicata</i> (6%)		

Continued Table 1

Sections	Month	Quadrat-1	Quadrat-2	Quadrat-3	Quadrat-4	Quadrat-5	Quadrat-6
		Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)	Name of Sp. (Frequency)
	<i>Quadrat distance</i>	<i>0m (Q-1)</i>	<i>8m (Q-2)</i>	<i>16.8m (Q-3)</i>	<i>31.8m (Q-4)</i>	<i>59.8m (Q-5)</i>	
June		<i>Boodlea composita</i> (27%)	<i>Boodlea composita</i> (55%)	<i>Caulerpa racemosa</i> (78%)	<i>Caulerpa racemosa</i> (22%)	<i>Boodlea composita</i> (19%)	
		Sargassum sp.(13%) (45%)	<i>Centroceras clavulatum</i>	<i>Sargassum cinctum</i> (13%)	<i>Boodlea composita</i> (11%)	<i>Caulerpa sertularioides</i> (14%)	
		<i>Centroceras clavulatum</i> (40%)		<i>Gelidiella acerosa</i> (9%)	<i>Sargassum cinctum</i> (16%)	<i>Halimeda sp.</i> (8%)	
		<i>Gelidiella acerosa</i> (20%)			<i>Gelidiella acerosa</i> (11%)	<i>Caulerpa racemosa</i> (7%)	
						Sargassum cinctum (20%)	
						<i>Gelidiella acerosa</i> (32%)	
	<i>Quadrat distance</i>	<i>0m (Q-1)</i>	<i>7m (Q-2)</i>	<i>20.4m (Q-3)</i>	<i>57.4m (Q-4)</i>	<i>95.6m (Q-5)</i>	
October		<i>Ulva lactuca</i> (32%)	<i>Ulva lactuca</i> (30%)	<i>Caulerpa sertularioides</i> (12%)	<i>Valoniopsis pachynema</i> (20%)	<i>Valoniopsis pachynema</i> (50%)	
		<i>Valoniopsis pachynema</i> (20%)	<i>Valoniopsis pachynema</i> (40%)	<i>Ulva lactuca</i> (8%)	<i>Halimeda sp.</i> (10%)	<i>Halimeda tune</i> (4%)	
		<i>Hypnea spinella</i> (34%)	<i>Boodlea composita</i> (1%)	<i>Valonia aegogropila</i> (1%)	<i>Caulerpa sertularioides</i> (7%)	Sargassum cinctum (21%)	
		<i>Gelidiella acerosa</i> (14%)	<i>Centroceras clavulatum</i> (29%)	<i>Padina tetrastromatica</i> (1%)	<i>Bryopsis plumosa</i> (3%)	<i>Stoechospermum</i> <i>marginatum</i> (4%)	
				<i>Gelidiella acerosa</i> (78%)	<i>Sargassum cinctum</i> (28%)	<i>Padina boergesenii</i> (4%)	
					<i>Stoechospermum</i> <i>marginatum</i> (5%)	<i>Lobophora variegata</i> (0.5)	
					<i>Padina boergesenii</i> (2%)	<i>Gelidiella acerosa</i> (10%)	
					<i>Gelidiella acerosa</i> (25%)	<i>Amphiroa anceps</i> (5%)	
						<i>Corallina berteroii</i> (1.5%)	

Note: Colour used in this table indicate different phyla of macroalgae: **Green colour**=Chlorophyta, **Brown colour**= Ochrophyta and **Red Colour**=Rhodophyta