

Appendix 9.5 Intertidal Species Recorded at Sampling Locations in the Assessment Area in the Qualitative Survey  
 Results from Qualitative Walk-through Survey (Dry Season)

Intertidal Survey Location	IS1	IS2	IS3	IS4	IS5	IS6	IS7	IS8	IS9	IS10	IS11
<b>Algae</b>											
<i>Corallina pilulifera</i>							x				
<i>Corallina</i> sp.								x			
<i>Gelidium</i> sp.			x	x							
<i>Harveyliothon</i> sp.			x	x							
<i>Hildenbrandia</i> sp.			x	x							x
<i>Neoralfsia expansa</i>									x	x	x
<i>Ulva</i> sp.	x		x	x	x	x		x	x	x	
<b>Barnacles</b>											
<i>Amphibalanus amphitrite</i>	x		x	x				x		x	x
<i>Captulum mitella</i>		x	x	x	x	x		x	x		x
<i>Chthamalus moro</i>											
<i>Tetraclita japonica</i>	x		x	x				x			
<i>Tetraclita squamosa</i>	x		x	x	x	x		x	x	x	x
<b>Bivalves</b>											
<i>Barbatia virescens</i>	x		x	x	x	x					x
<i>Cardita leana</i>						x					
<i>Isognomon isognomum</i>					x	x					
<i>Saccostrea cucullata</i>	x		x	x	x	x			x	x	x
<i>Mytilisepta virgata</i>		x	x	x	x	x		x	x	x	x
<i>Perna viridis</i>			x	x	x	x					
<b>Crab</b>											
<i>Clibanarius</i> sp.	x				x	x					
<i>Gaetice</i> sp.	x				x						
<i>Grapsus albolineatus</i>	x		x	x	x	x		x			
<i>Hemigrapsus</i> sp.				x							
<i>Metopograpsus frontalis</i>			x	x					x	x	
<i>Nanosesarma minutum</i>			x	x							
<i>Parasesarma pictum</i>			x	x							
<i>Thalamita danae</i>				x	x						
<b>Chiton</b>											
<i>Liolophura japonica</i>	x	x	x	x	x	x	x	x	x	x	x
<b>Limpets/False Limpets</b>											
<i>Cellana grata</i>	x	x	x	x	x	x	x	x			x
<i>Cellana toreuma</i>			x	x	x	x			x	x	x
<i>Nipponacmea concinna</i>	x	x	x	x	x	x	x	x			x
<i>Patelloida pygmaea</i>	x			x	x	x					x
<i>Patelloida saccharina</i>	x		x	x	x	x	x	x			x
<i>Siphonaria laciniosa</i>			x	x				x	x		
<i>Siphonaria japonica</i>				x			x				
<b>Snail</b>											
<i>Drupella margariticola</i>						x					
<i>Echinolittorina radiata</i>	x	x	x	x	x	x	x	x			
<i>Echinolittorina malaccana</i>	x	x			x	x	x	x			
<i>Echinolittorina vidua</i>			x	x							
<i>Littoraria articulata</i>									x	x	x
<i>Lunella coronata</i>	x		x	x	x	x	x				
<i>Monodonta labio</i>	x	x	x	x	x	x	x	x			x
<i>Nerita albicilla</i>			x	x							
<i>Nerita chamaeleon</i>			x	x							
<i>Planaxis sulcatus</i>	x				x	x					
<i>Reishia clavigera</i>	x	x	x	x	x	x	x	x			
<i>Reishia luteostoma</i>							x	x			
<b>Other</b>											
<i>Hydroides</i> sp.	x	x	x	x	x		x	x			
<i>Spirorbis</i> sp.			x	x	x	x					
<i>Anthopleura buddemeieri</i>			x	x							
<i>Anthocidaris crassipina</i>			x	x							
<i>Anthopleura dixoniana</i>			x	x				x			
<i>Diadumene lineata</i>			x	x							
<i>Ligia exotica</i>	x		x	x	x	x					
<i>Salmacis sphaeroides</i>				x							
<b>Total No. of Species</b>	<b>22</b>	<b>10</b>	<b>36</b>	<b>40</b>	<b>27</b>	<b>26</b>	<b>13</b>	<b>20</b>	<b>11</b>	<b>10</b>	<b>16</b>

Note:  
 The mark "x" indicates the presence of species.

**Appendix 9.5 Intertidal Species Recorded at Sampling Locations in the Assessment Area in the Qualitative Survey  
Results from Qualitative Walk-through Survey (Dry Season)**

<b>Intertidal Survey Location</b>	<b>IS12</b>	<b>IS13</b>	<b>IS14</b>	<b>IS15</b>	<b>IS16</b>
<b>Algae</b>					
<i>Kyruthrix maculans</i>	x	x	x	x	x
<i>Hildenbrandia rubra</i>	x	x	x	x	x
<i>Corallina</i> sp.	x			x	
<i>Gelidium pusillum</i>	x	x	x	x	x
<i>Ulva</i> sp.	x		x		x
<b>Barnacles</b>					
<i>Capitulum mitella</i>	x	x	x	x	x
<i>Tetraclita japonica</i>	x	x	x	x	x
<i>Tetraclita squamosa</i>	x				
<b>Bivalves</b>					
<i>Saccostrea cucullata</i>	x	x	x	x	x
<i>Septifer virgatus</i>	x			x	
<b>Sea-anemones</b>					
<i>Haliplanella lineata</i>	x			x	
<b>Crab</b>					
<i>Grapsus albolineatus</i>	x		x	x	x
<b>Chiton</b>					
<i>Acanthopleura japonica</i>	x	x	x	x	x
<b>Limpets/False Limpets</b>					
<i>Cellana grata</i>	x	x	x	x	x
<i>Cellana toreuma</i>	x	x	x	x	x
<i>Patelloida saccharina</i>	x	x	x	x	x
<i>Patelloida pygmaea</i>	x	x	x	x	x
<i>Siphonaria japonica</i>	x		x	x	x
<b>Snail</b>					
<i>Echinolittorina malaccana</i>	x	x	x	x	x
<i>Echinolittorina radiata</i>	x	x	x	x	x
<i>Echinolittorina vidua</i>	x			x	
<i>Littoraria articulata</i>	x	x	x	x	x
<i>Thais clavigera</i>	x		x	x	x
<i>Morula musiva</i>	x			x	
<i>Monodonta labio</i>	x	x	x	x	x
<b>Other</b>					
<i>Ligia exotica</i>	x	x	x	x	x
<b>Total No. of Species</b>	<b>26</b>	<b>16</b>	<b>20</b>	<b>24</b>	<b>20</b>

Note:

The mark "x" indicates the presence of species.

Appendix 9.5 Intertidal Species Recorded at Sampling Locations in the Assessment Area in the Qualitative Survey  
 Results from Qualitative Walk-through Survey (Wet Season)

Intertidal Survey Location	IS1	IS2	IS3	IS4	IS5	IS6	IS7	IS8	IS9	IS10	IS11
<b>Algae</b>											
<i>Corallina pilulifera</i>				x	x		x				
<i>Corallina</i> sp.						x		x			
<i>Gelidium</i> sp.			x	x	x	x					
<i>Harveyllithon</i> sp.			x	x	x	x	x				x
<i>Hildenbrandia</i> sp.			x	x	x	x	x		x	x	x
<i>Jania</i> sp.				x	x	x	x				
<i>Kyrtuthrix maculans</i>				x	x						
<i>Neoralgsia expansa</i>				x					x	x	x
<i>Ulva</i> sp.	x		x	x	x	x		x			x
<i>Pseudulvella applanata</i>						x					
<b>Barnacles</b>											
<i>Balanus amphitrite</i>	x		x					x	x	x	x
<i>Capitulum mitella</i>		x	x	x	x	x	x	x	x	x	x
<i>Chthamalus moro</i>											
<i>Tetracita japonica</i>	x		x	x		x	x	x			
<i>Tetracita squamosa</i>	x		x	x	x	x	x	x	x	x	x
<b>Bivalves</b>											
<i>Barbatia virescens</i>	x		x	x	x						
<i>Cardita leana</i>											
<i>Isognomon isognomum</i>					x						
<i>Saccostrea cucullata</i>	x		x	x	x	x	x		x	x	x
<i>Septifer virgatus</i>		x	x	x	x	x	x	x	x	x	
<i>Perna viridis</i>			x	x	x		x		x	x	
<i>Megabalanus volcans</i>	x				x	x					
<b>Crab</b>											
<i>Clibanarius</i> sp.	x			x	x						
<i>Eriphia ferox</i>				x	x						
<i>Gaetice</i> sp.	x				x						
<i>Grapsus albolineatus</i>	x		x	x	x		x	x	x	x	
<i>Hemigrapsus</i> sp.											
<i>Metopograpsus frontalis</i>			x	x							
<i>Nanosesarma minutum</i>			x	x	x	x	x		x	x	x
<i>Parasesarma pictum</i>			x	x	x						
<i>Thalania danae</i>				x	x						
<i>Eriphia smithii</i>				x	x				x	x	
<b>Chiton</b>											
<i>Liolophura japonica</i>	x	x	x	x	x	x	x	x	x	x	x
<b>Limpets/False Limpets</b>											
<i>Cellana grata</i>	x	x	x	x	x	x	x	x			x
<i>Cellana toreuma</i>			x	x	x	x			x	x	x
<i>Nipponacmea concinna</i>	x	x	x	x	x	x	x	x			x
<i>Patelloida pygmaea</i>	x				x	x					x
<i>Patelloida saccharina</i>	x		x	x	x	x	x	x			x
<i>Siphonaria laciniosa</i>			x	x	x	x	x	x			x
<i>Siphonaria japonica</i>				x			x				
<b>Snail</b>											
<i>Cronia margaritcola</i>											
<i>Echinolittorina radiata</i>	x	x	x	x	x		x	x			
<i>Echinolittorina malaccana</i>	x	x			x		x	x			
<i>Echinolittorina vidua</i>			x	x							
<i>Littoraria articulata</i>									x	x	x
<i>Lunella coronata</i>	x		x	x	x		x				
<i>Monodonta labio</i>	x	x	x	x	x	x	x	x			x
<i>Nerita albicilla</i>			x	x							
<i>Nerita chamaeleon</i>			x	x							
<i>Planaxis sulcatus</i>	x				x						
<i>Thais clavigera</i>	x	x	x	x	x	x	x	x	x		x
<i>Thais luteostoma</i>							x	x			
<b>Other</b>											
<i>Hydroides</i> sp.	x	x	x	x	x		x	x	x		x
<i>Spirorbis</i> sp.			x	x	x						
<i>Serpulorbis imbricatus</i>						x			x	x	
<i>Anthopleura buddemeieri</i>			x	x	x						
<i>Anthocidaris crassipina</i>			x	x	x	x					
<i>Anthopleura dixoniana</i>			x	x				x			
<i>Diadumene lineata</i>			x	x	x	x					
<i>Ligia exotica</i>	x		x	x	x	x	x		x	x	x
<i>Salmacis sphaeroides</i>				x							
Sponges									x	x	
<i>Styela plicata</i>									x		
<b>Total No. of Species</b>	<b>23</b>	<b>10</b>	<b>36</b>	<b>45</b>	<b>42</b>	<b>26</b>	<b>26</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>21</b>

Note:  
 The mark "x" indicates the presence of species.

**Appendix 9.5 Intertidal Species Recorded at Sampling Locations in the Assessment Area in the Qualitative Survey  
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<b>Intertidal Survey Location</b>	<b>IS12</b>	<b>IS13</b>	<b>IS14</b>	<b>IS15</b>	<b>IS16</b>
<b>Algae</b>					
<i>Kyruthrix maculans</i>	X	X	X	X	X
<i>Hildenbrandia rubra</i>	X	X	X	X	X
<i>Corallina</i> sp.	X			X	
<i>Gelidium pusillum</i>	X	X	X	X	X
<b>Barnacles</b>					
<i>Capitulum mitella</i>	X	X	X	X	X
<i>Tetraclita japonica</i>	X	X	X	X	X
<i>Tetraclita squamosa</i>	X				
<b>Bivalves</b>					
<i>Saccostrea cucullata</i>	X	X	X	X	X
<i>Septifer virgatus</i>	X			X	
<b>Sea-anemones</b>					
<i>Haliplanella lineata</i>	X			X	
<b>Crab</b>					
<i>Grapsus albolineatus</i>	X		X	X	X
<b>Chiton</b>					
<i>Acanthopleura japonica</i>	X	X	X	X	X
<b>Limpets/False Limpets</b>					
<i>Cellana grata</i>	X	X	X	X	X
<i>Cellana toreuma</i>	X	X	X	X	X
<i>Patelloida saccharina</i>	X	X	X	X	X
<i>Patelloida pygmaea</i>	X	X	X	X	X
<i>Siphonaria japonica</i>	X		X	X	X
<b>Snail</b>					
<i>Echinolittorina malaccana</i>	X	X	X	X	X
<i>Echinolittorina radiata</i>	X	X	X	X	X
<i>Echinolittorina vidua</i>	X			X	
<i>Littoraria articulata</i>	X	X	X	X	X
<i>Thais clavigera</i>	X		X	X	X
<i>Morula musiva</i>	X			X	
<i>Monodonta labio</i>	X	X	X	X	X
<b>Other</b>					
<i>Ligia exotica</i>	X	X	X	X	X
<b>Total No. of Species</b>	<b>25</b>	<b>16</b>	<b>19</b>	<b>24</b>	<b>19</b>

Note:

The mark "x" indicates the presence of species.