

Changes and additions Marine Second for Australian Students 2009 Edition

Page 9	Oceanography student's exercise book references added
Page 32	Oceanography student's exercise book references added
Page 38	Tides and currents added
Page 39	Oceanography student's exercise book references added, orbital field illustration corrected
Page 40	Figure 40.1 corrected
Page 41	Oceanography student's exercise book references added
Page 42	Joli photographs credited
Page 48	New figure on diffraction 48.2
Page 49	Joli photos acknowledged
Page 51	Storm surge illustration and text added, surfing text omitted
Page 52	Tsunami illustrations added, climate change text added
Page 53	NEW PAGE Climate change and ocean acidification - new text added and new illustrations
Page 56	Oceanography student's exercise book references added
Page 59	NEW page. New information on weather. winds, trade winds illustration corrected, monsoons shown and defined
Page 60	NEW page Thermohaline circulation and geostrophic currents explained, coriolis forces explained
Page 61	NEW page Ekmans spiral explained, current figure corrected - Humboldt current and gyre exceptions discussed
Page 62	NEW page Australian upwellings explained esp east coast ones - SOI info updated in line with BOM website
Page 63	Thermocline better illustrated and El Niño relevance to Australia more clear in illustration
Page 64	Finding Nemo references
Page 65	Thermocline and South Pacific Ocean better illustrated - (Coral Sea removed)
Page 73	Cyclone photo spins correct way
Page 80	Oceanography student's exercise book references added
Page 87	New photo
Page 93	New photo of sand spit, Oceanography student's exercise book references added
Page 95	Wave bore figure fixed - orbit field are elliptical and wave bore defined.
Page 96	New dune system illustration drawn by Bob Moffatt, page reorganised to accommodate. Climax communities better defined.
Page 97	Discussion of phosphorous and nitrate dune self fertilization processes. New erosion scarp photo by Bob Moffatt - shows fretting at D-Bar NSW
Page 98	More realistic Fig 98.1 redrawn to show trees falling into sea. Ecological succession defined and changes to text to discuss climate communities
Page 101	New balance photo
Page 108	Oceanography student's exercise book references added

Summary

-	5 new pages to update on climate change, ocean acidification and oceanography data
-	Oceanography and Marine Biology exercises cross referenced to chapters
-	30 Illustrations revised, 25 new photos
-	Prawn dissection rewritten
-	Minor grammar throughout
Page 123	Desalination plants text and illustration
Page 128	Oceanography student's exercise book references added
Page 158	Oceanography student's exercise book references added
Page 189	Oceanography student's exercise book references added. Feathers experiment now in Teachers Guide
Page 208	Marine Biology student's exercise book references added
Page 227	Marine Biology student's exercise book references added
Page 246	Marine Biology student's exercise book references added
Page 267	Mangrove key added and illustrated
Page 268	Marine Biology student's exercise book references added
Page 297	Squid dissection
Page 299	Marine Biology student's exercise book references added
Page 310	Rewritten and re-illustrated to fix inconsistencies in prawn appendage names
Page 311	Rewritten and re-illustrated to fix inconsistencies in prawn appendage names
Page 312	Rewritten and re-illustrated to fix inconsistencies in prawn appendage names
Page 313	Rewritten and re-illustrated to fix inconsistencies in prawn appendage names
Page 314	Rewritten and re-illustrated to fix inconsistencies in prawn appendage names
Page 325	Marine Biology student's exercise book references added
Page 334	Lateral line system corrected to neuromast system
Page 352	Marine Biology student's exercise book references added
Page 382	Marine Biology student's exercise book references added
Page 406	Better Figure 406.1
Page 410	Marine Biology student's exercise book references added
Page 428	Marine Biology student's exercise book references added
Page 435	United Nations extended marine jurisdiction 2008 EEZ confirmation and illustration
Page 446	Greenhouse effect update
Page 447	Greenhouse illustration update
Page 504	Marine Biology student's exercise book references added
Page 566	Update on Ningaloo National Park
Page 567	Update on WA Marine Parks
Page 607	Marine Biology student's exercise book references added
Page 608	Marine Biology student's exercise book references added