

Figure 1. Detailed view of seafloor character mapped northeast of Monterey, approximately 700 m offshore (see Box A on map, for location). Showing locations of periodic real-time video observations (A1) and digital still photographs (A1-A3) from camera line 54, cruise 5-22-16-MB.

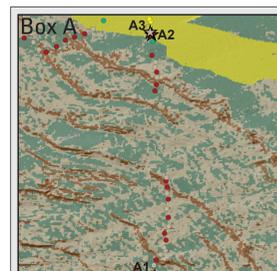


Figure 1A. Detailed view of seafloor character mapped northeast of Monterey, approximately 700 m offshore (see Box A on map, for location). Showing locations of periodic real-time video observations (A1) and digital still photographs (A1-A3) from camera line 47, cruise 5-22-16-MB.

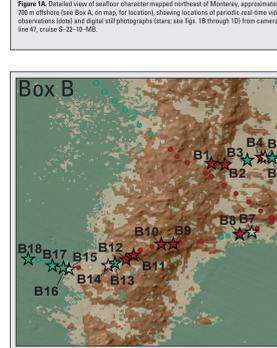


Figure 1B. Detailed view of seafloor character mapped northeast of Monterey, approximately 430 m offshore (see Box B on map, for location). Showing locations of periodic real-time video observations (B1) and digital still photographs (B1-B18) from camera line 36, cruise 5-22-16-MB.



Figure 1C. Detailed view of seafloor character mapped northeast of Monterey, approximately 230 m offshore (see Box C on map, for location). Showing locations of periodic real-time video observations (C1) and digital still photographs (C1-C17) from camera line 54, cruise 5-22-16-MB.

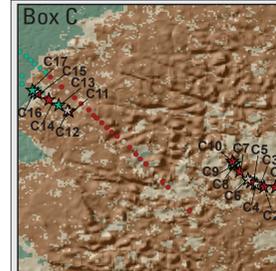


Figure 2A. Digital still photograph no. A1 (see fig. 1A for location). Rock outcrop and coarse sand (water depth, 17 m). Abiotic complexity is high, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

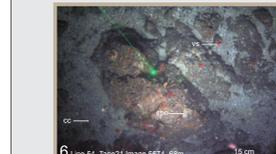


Figure 2B. Digital still photograph no. A2 (see fig. 1A for location). Rock outcrop and coarse sand (water depth, 17 m). Abiotic complexity is high, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2C. Digital still photograph no. A3 (see fig. 1A for location). Coarse sand and shell hash (water depth, 27 m). Abiotic complexity is high, biotic complexity is present, and biovolume is high. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

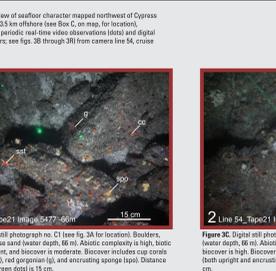


Figure 2D. Digital still photograph no. B1 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2E. Digital still photograph no. B2 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2F. Digital still photograph no. B3 (see fig. 2A for location). Sand and shell hash (water depth, 87 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2G. Digital still photograph no. B4 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

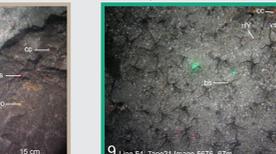


Figure 2H. Digital still photograph no. B5 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2I. Digital still photograph no. B6 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

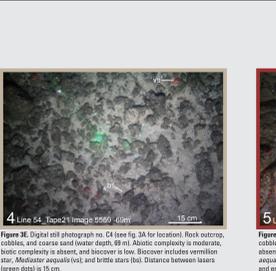


Figure 2J. Digital still photograph no. B7 (see fig. 2A for location). Cobble, gravel, sand, and shell hash (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

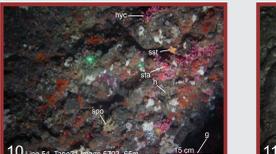


Figure 2K. Digital still photograph no. B8 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2L. Digital still photograph no. B9 (see fig. 2A for location). Rock outcrop and coarse sand (water depth, 82 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

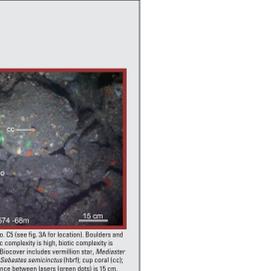


Figure 2M. Digital still photograph no. B10 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2N. Digital still photograph no. B11 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2O. Digital still photograph no. B12 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

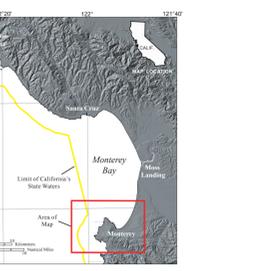


Figure 2P. Digital still photograph no. B13 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

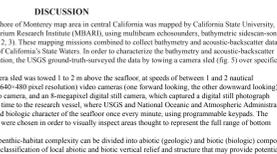


Figure 2Q. Digital still photograph no. B14 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

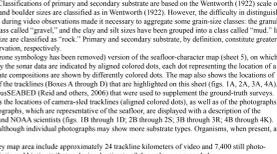


Figure 2R. Digital still photograph no. B15 (see fig. 2A for location). Fine sand and mud with degraded rippled leather depth, 84 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is low. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

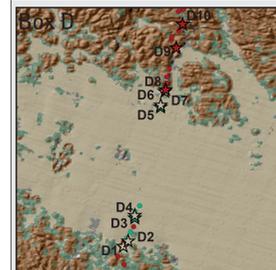


Figure 2S. Digital still photograph no. C1 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is low, biotic complexity is absent, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

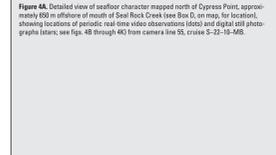


Figure 2T. Digital still photograph no. C2 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

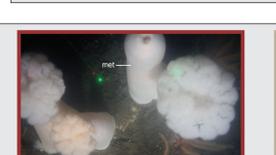


Figure 2U. Digital still photograph no. C3 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2V. Digital still photograph no. C4 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

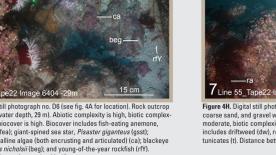


Figure 2W. Digital still photograph no. C5 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

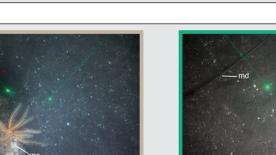


Figure 2X. Digital still photograph no. C6 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

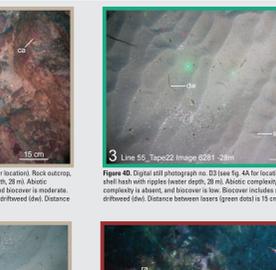


Figure 2Y. Digital still photograph no. C7 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2Z. Digital still photograph no. C8 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

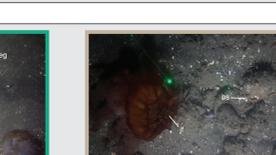


Figure 2AA. Digital still photograph no. C9 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

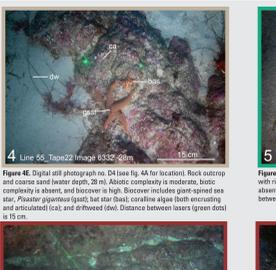


Figure 2AB. Digital still photograph no. C10 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

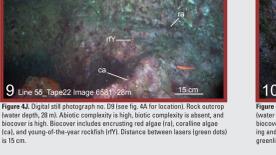


Figure 2AC. Digital still photograph no. C11 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2AD. Digital still photograph no. C12 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

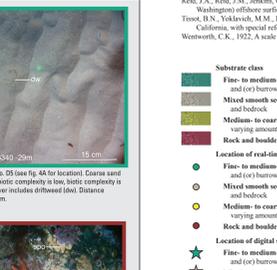


Figure 2AE. Digital still photograph no. C13 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2AF. Digital still photograph no. C14 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.



Figure 2AG. Digital still photograph no. C15 (see fig. 3A for location). Rock outcrop and coarse sand (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

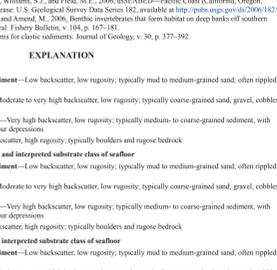


Figure 2AH. Digital still photograph no. C16 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

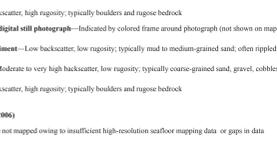


Figure 2AI. Digital still photograph no. C17 (see fig. 3A for location). Coarse sand and shell hash (water depth, 100 m). Abiotic complexity is high, biotic complexity is present, and biovolume is moderate. Bivalves include bay star, *Paralycaeus siliqua* (sp.), and sponges (sp.). Distance between lasers (green dots) is 15 cm.

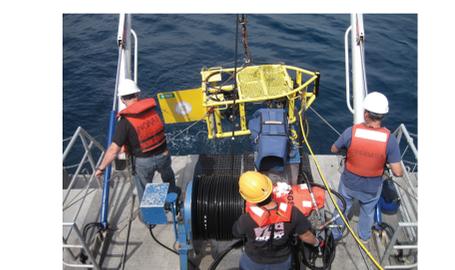


Figure 5. USGS-designed camera used for seafloor mapping. Components onboard include four digital video cameras, one 8-megapixel digital still camera, laser for scale, and various probes and video lights, as well as telemetry communication that records depth, attitude, and compass heading.

Any use of trade names or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government. This work was funded by an abstract grant provided by the National Science Foundation. Data and metadata are available at the following URL: <https://doi.org/10.26108/2016-1110>.
Digital file availability: <https://doi.org/10.26108/2016-1110>
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