



VIDEO LANDER SURVEYS

The video lander is a stationary, underwater camera system. This platform is used in rocky habitats as the high-definition GoPro™ cameras and metal frame are built to withstand being dropped into complex rocky habitats. The video lander is deployed for approximately eight minutes of video collection at a time. We then review the video to estimate relative abundance for select invertebrates species and all fishes observed. The habitat characteristics, which include the depth, geologic substrate, topographic relief, and biogenic habitat (including macroalgae and sessile invertebrates) present, are recorded. The lander can be deployed across a wide range of depths. The affordable lander design and ability to use several landers simultaneously to survey an area, make this tool a cost-effective way to generate large amounts of video data. Future directions, include adding stereo-video cameras to the lander fleet to enable estimation of individual fish sizes during video review.

Data collected:



Invertebrates



Habitat



Macroalgae



Fish



Tool Usage	
Depth Range	5-20m
Habitats	All habitat types
Sampling Limitations	Calm sea states and a minimum of 3m visibility

