

Appendix 7.4: Video survey details from Greenore and Greencastle

Greenore

Video Drop 1 (Plate 4.1, V1-1 & V1-2)

The benthos in this area consists solely of gravels and cobble overlying coarse sands. Occasional brown algae are present attached to fixed hard substrate. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 2 (Plate 4.1, V2-1 & V2-2)

The benthos in the area of this video drop consists mainly of cobble and boulders. The keelworm *Pomatoceros* sp. is present on cobbles and gravel in the area. In addition, unidentified balanomorph barnacles are present on the surface of fixed rock and boulder. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 3 (Plate 4.1, V3-1 & V3-2)

The benthos in the area consists of boulder and pebble, with occasional large brown algae present on cobble. Balanomorph barnacles and the keelworm, *Pomatoceros* sp. are present on boulders in the area. In addition, the starfish *Asterias rubens* is present in the area. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 4 (Plate 4.2, V4-1 & V4-2)

The benthos consists of cobbles and pebbles, with large amounts of keelworm *Pomatoceros* sp. present. Occasional starfish (*A. rubens*) were identified in the area. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 5 (Plate 4.2, V5-1 & V5-2)

This site is characterised by the presence of cobbles and pebble with *Pomatoceros* sp. present. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 6 (Plate 4.2, V6-1 & V6-2)

This site is similar to that identified for Video Drop 5 and is characterised by the presence of cobbles and pebble with *Pomatoceros* sp. present. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 7 (Plate 4.3, V7-1 & V7-2)

As with previous sites, this area is characterised by the presence of cobbles and pebble with *Pomatoceros* sp. present. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 8 (Plate 4.3, V8-1 & V8-2)

This site is characterised by the presence of cobbles and pebble with *Pomatoceros* sp. present. The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 9 (Plate 4.3, V9-1 & V9-2)

The benthos is similar to previous drops as it consists mainly of cobbles and gravels, although *Laminaria* fronds are present in the area. In addition, *A. rubens* is present across the site. The edible crab, *Cancer pagurus* was identified in the area. Keelworm (*Pomatoceros* sp.) are present in the area in addition to bryozoa (Plate XX: V9-1 & V9-2). The area has been identified as SS.SCS.CCS.PomB - *Pomatoceros triqueter* with barnacles and bryozoan crusts on unstable circalittoral cobbles and pebbles.

Video Drop 10 (Plate 4.4, V10-1 & V10-2)

The site is dominated by the presence of the black brittlestar *Ophiocomina nigra* on mixed gravels and boulders. Barnacles and the keelworm *Pomatoceros* sp. are also present in the area. *A. rubens* is common. The area has been identified as SS.SMx.CMx.OphMx - *Ophiothrix fragilis* and/or *Ophiocomina nigra* brittlestar beds on sublittoral mixed sediment.

Greencastle

Video Drop 11 (Plate 4.5 V11-1 & V11-2)

This area consisted of fine sands, with diatoms present on the sediment surface. Occasional brown algae were present in the area, with Ascidiaceans (*Ascidella aspersa*) present attached to gravel and algae. The site has been classified as SS.SSa.IFiSa - Infralittoral fine sand, though this classification is based solely on the video imagery.

Video Drop 12 (Plate 4.5 V12-1 & V12-2)

This area consisted of fine sands, with diatoms and *Arenicola marina* casts present on the sediment surface. Occasional drift algae were present in the area. The site has been classified as SS.SSa.IMuSa.AreISa - *Arenicola marina* in infralittoral fine sand or muddy sand, though this classification is based solely on the video imagery.

Video Drop 13 (Plate 4.5 V13-1 & V13-2)

This area consisted of fine sands, with occasional brown algae present on the sediment surface. *Arenicola marina* casts were present in the area. The site has been classified as SS.SSa.IMuSa.AreISa - *Arenicola marina* in infralittoral fine sand or muddy sand, though this classification is based solely on the video imagery.

Video Drop 14 (Plate 4.6 V14-1 & V14-2)

This area consisted of fine rippled sands, with drift algae present in the area. *Arenicola marina* casts were present in the area. The site has been classified as SS.SSa.IMuSa.AreISa - *Arenicola marina* in infralittoral fine sand or muddy sand, though this classification is based solely on the video imagery.

Video Drop 15 (Plate 4.6 V15-1 & V15-2)

This area consisted of shell gravel on fine sands. The starfish *A. rubens* was identified in the area. The site has been classified as SS.SSa.IFiSa - Infralittoral fine sand, though this classification is based solely on the video imagery.

Video Drop 16 (Plate 4.6 V16-1 & V16-2)

This area consisted of rippled muddy sands, with diatoms present on the sediment surface. *Arenicola marina* casts were present in the area. The site has been classified as SS.SSa.IMuSa.AreISa - *Arenicola marina* in infralittoral fine sand or muddy sand, though this classification is based solely on the video imagery.

Video Drop 17 (Plate 4.7 V17-1 & V17-2)

This area consisted of muddy or fine sands, with algae present on the sediment surface. The site has been classified as SS.SSa.IFiSa - Infralittoral fine sand, though this classification is based solely on the video imagery.

Video Drop 18 (Plate 4.7 V18-1 & V18-2)

This area consisted of muddy sands with red and brown algae common in the area. The starfish *A. rubens* was also present in the area. The site has been classified as SS.SSa.IMuSa - Infralittoral muddy sand, though this classification is based solely on the video imagery.

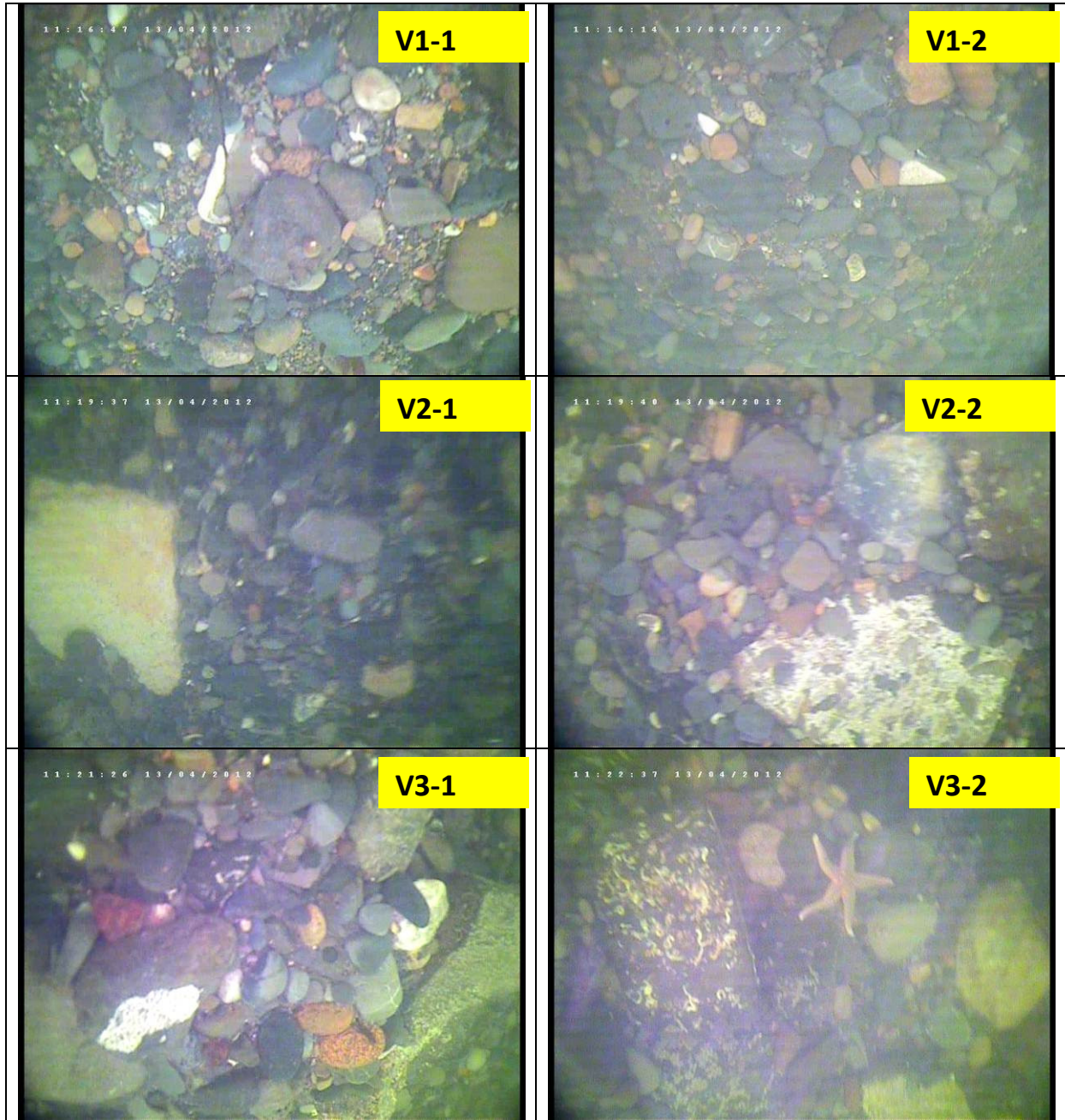


Plate 4.1: Imagery taken from video data collected in the sub-tidal area at the Greenore landfall site.

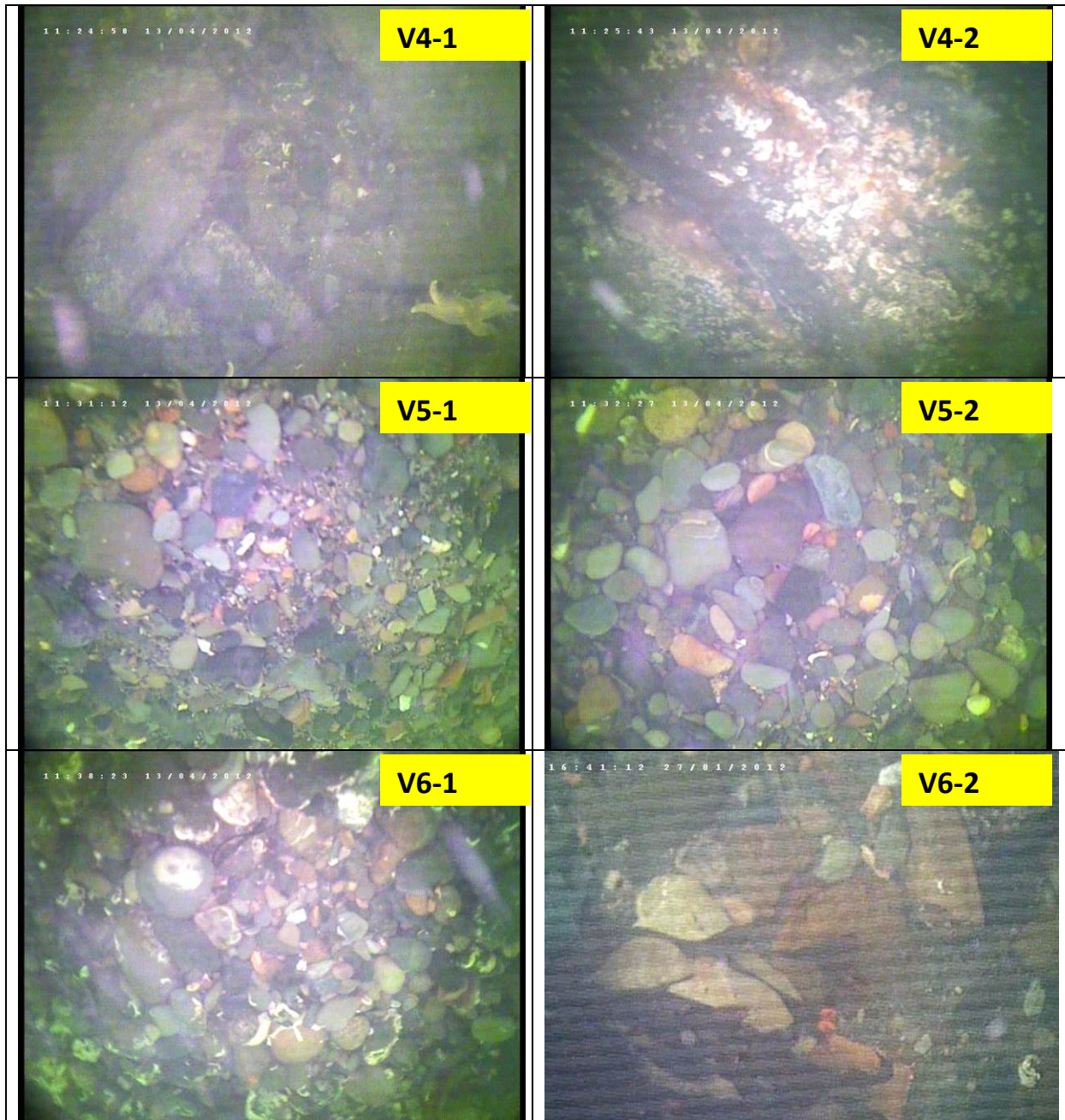


Plate 4.2: Imagery taken from video data collected in the sub-tidal area at the Greenore landfall site.

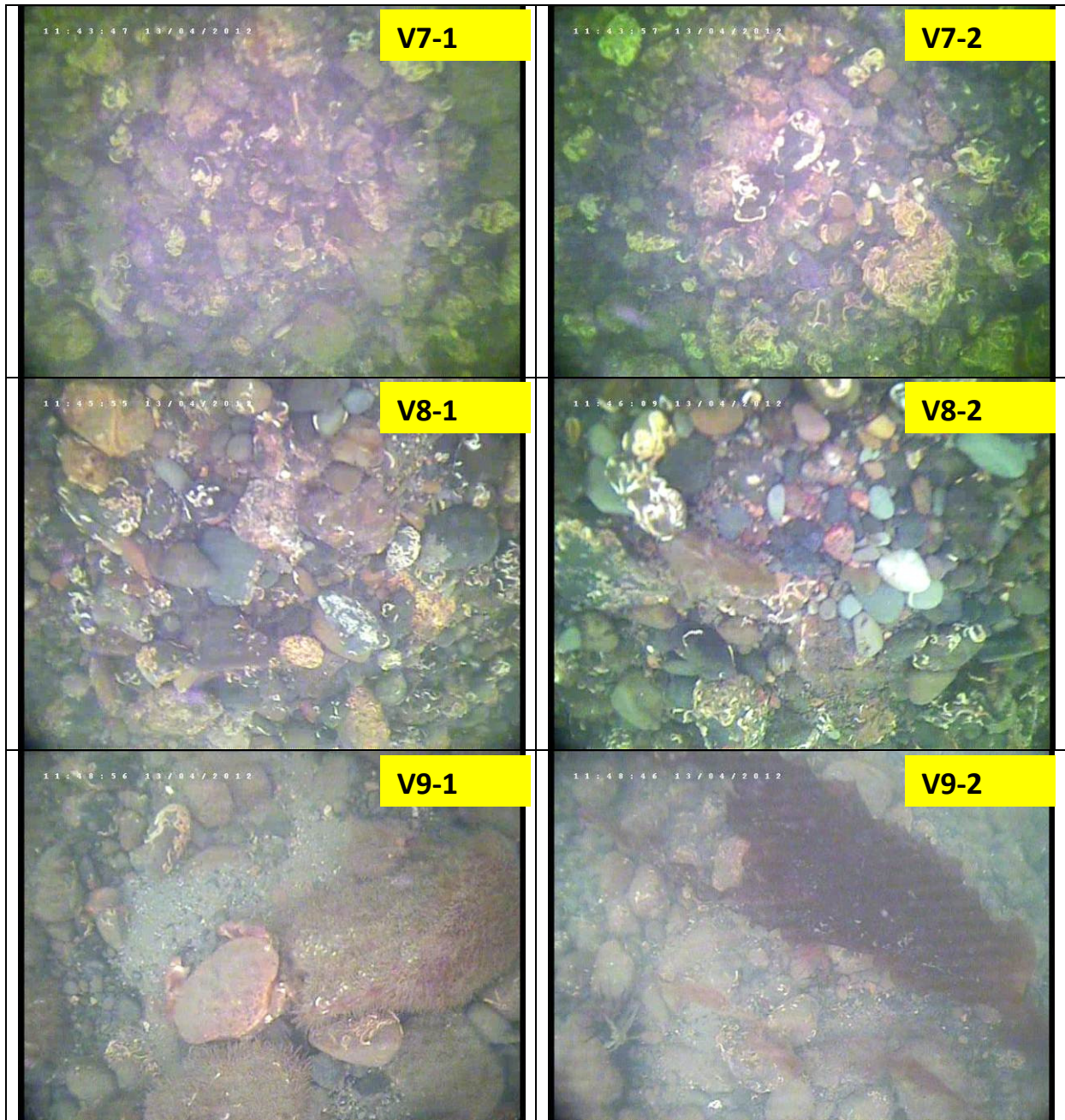


Plate 4.3: Imagery taken from video data collected in the sub-tidal area at the Greenore landfall site.

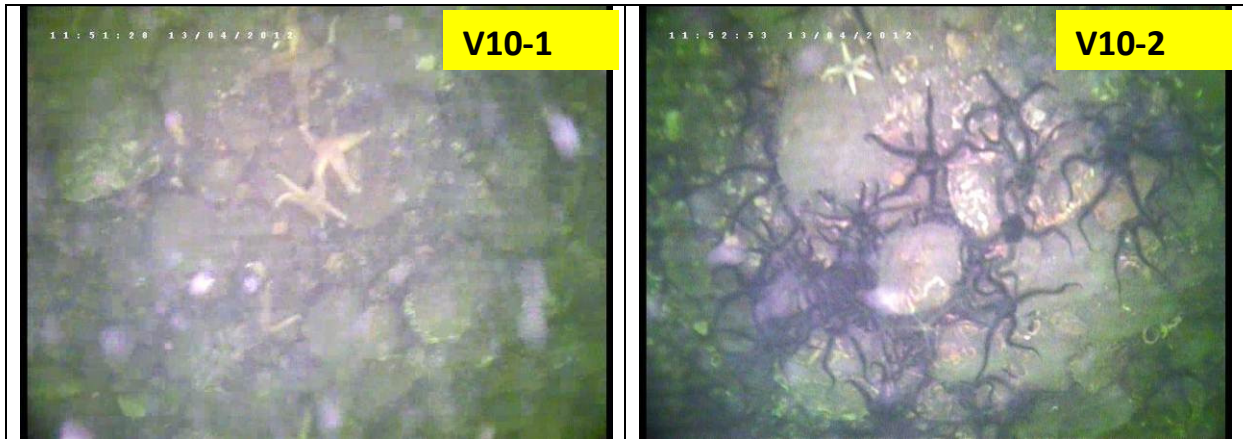


Plate 4.4: Imagery taken from video data collected in the sub-tidal area at the Greenore landfall site.

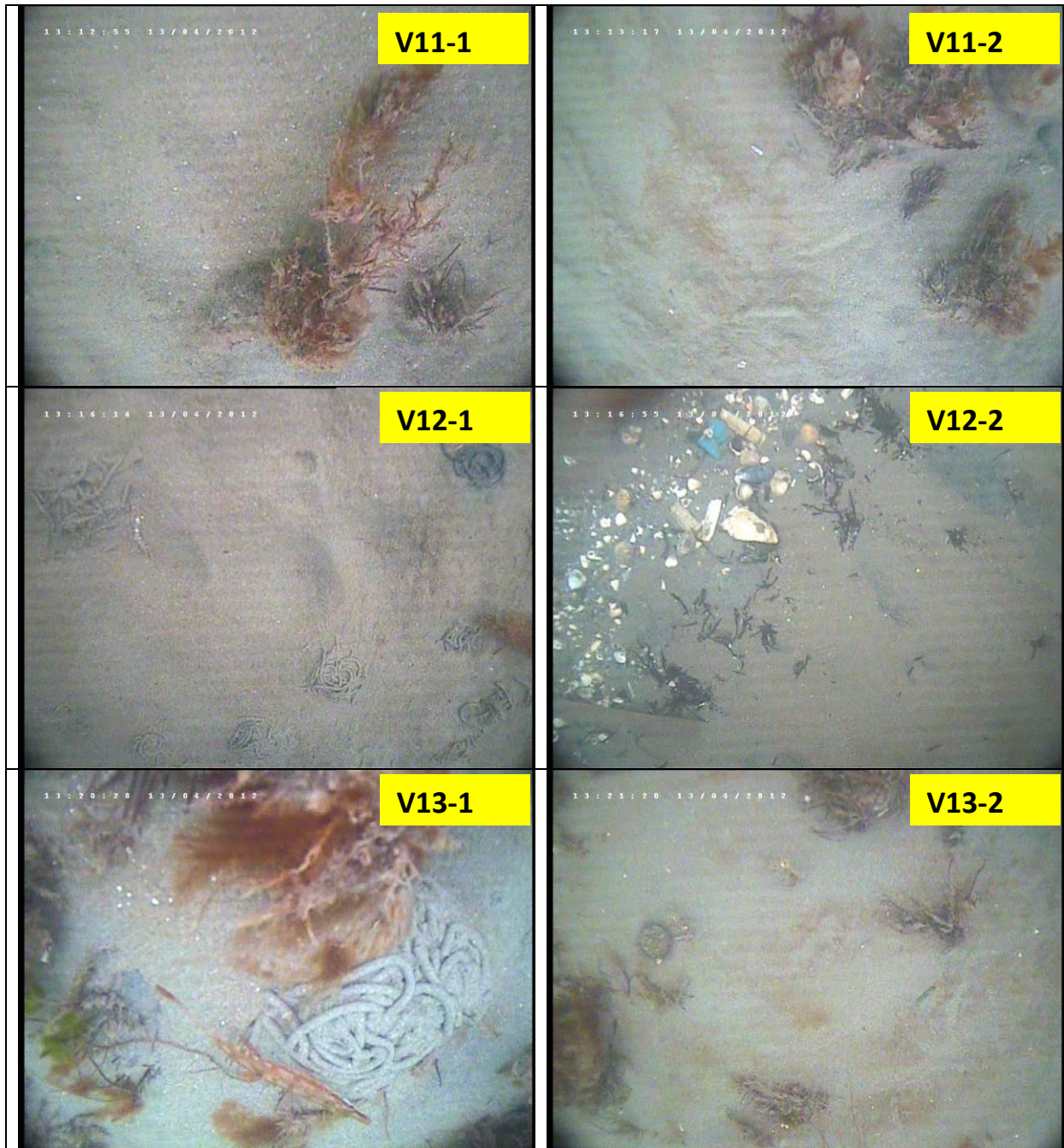


Plate 4.5: Imagery taken from video data collected in the sub-tidal area at the Greencastle landfill site.

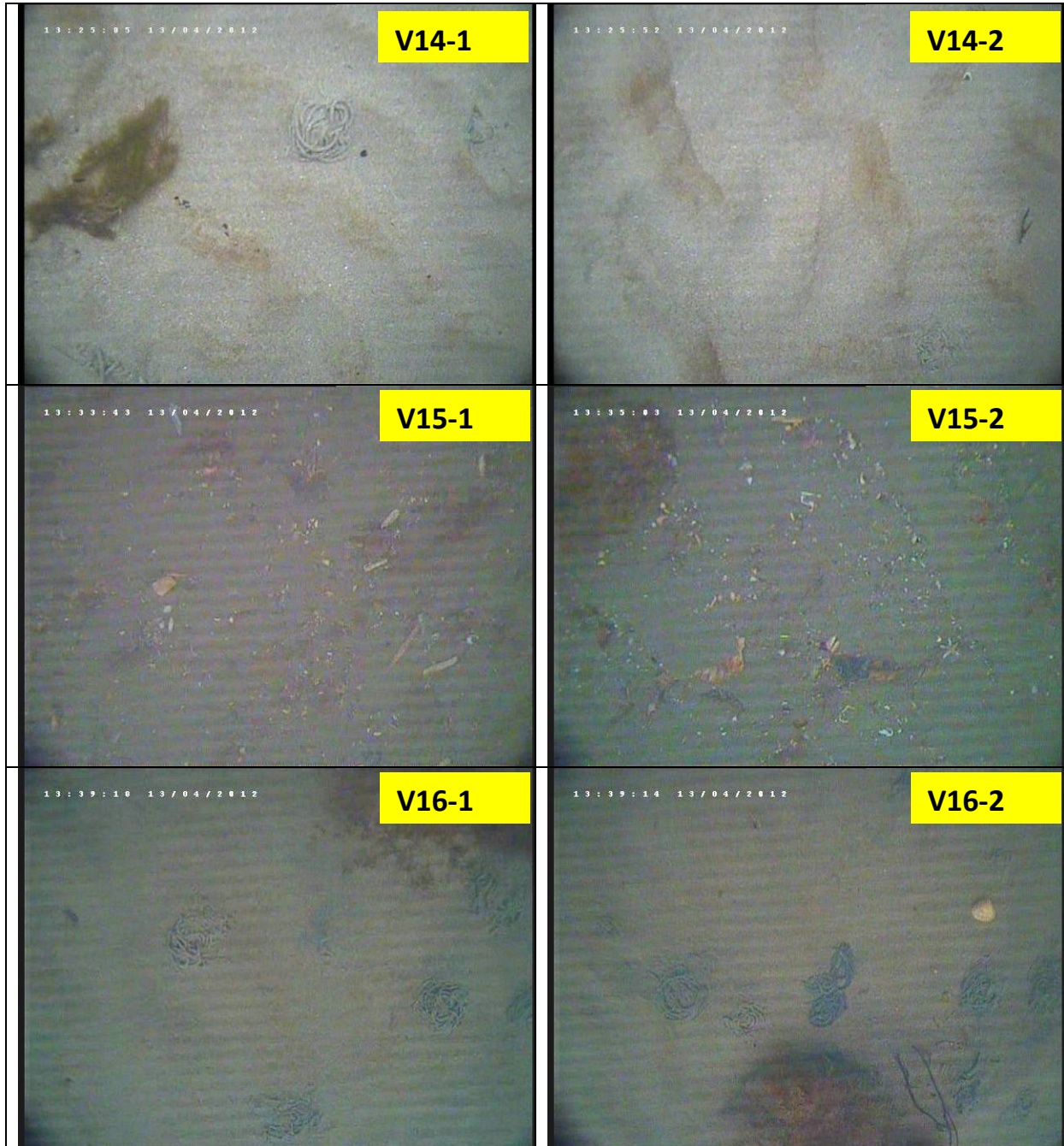


Plate 4.6: Imagery taken from video data collected in the sub-tidal area at the Greencastle landfill site.

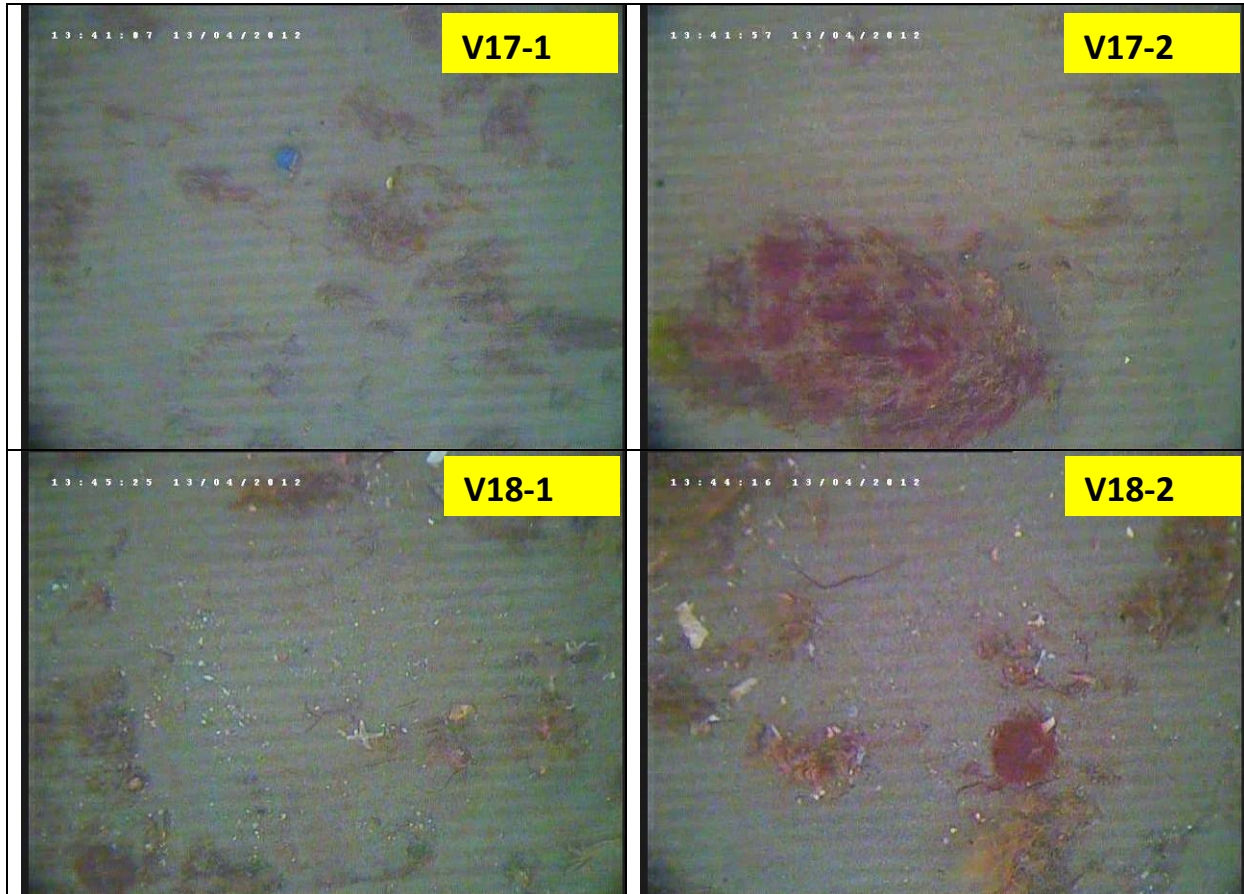


Plate 4.7: Imagery taken from video data collected in the sub-tidal area at the Greencastle landfill site.