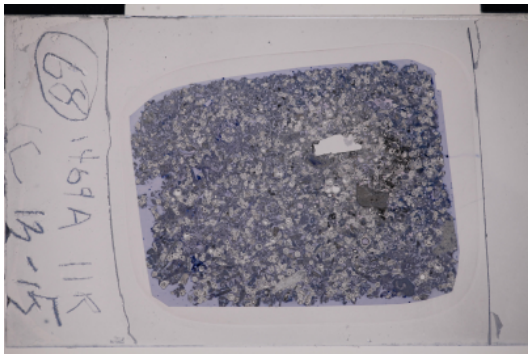
THIN SECTION LABEL ID: **359-U1469A-11R-CC-W 13/15-TSB-TS_68** Thin section no.: 68

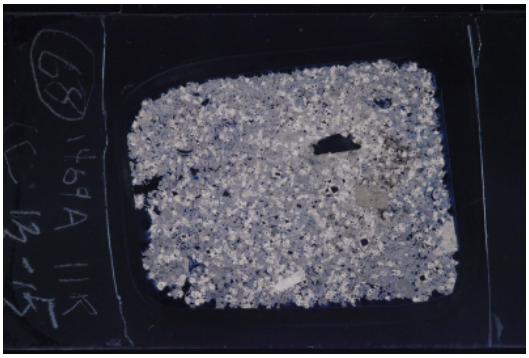
Unit/Subunit: Observer: AL

Thin section summary: This samples was taken at 93.13 to 93.15 mbsf. Skeletal components present are planktic foraminifera, benthic foraminifera (Amphistegina), Halimeda, mollusk fragments, bryozoan, echinoid fragment and coral fragments. Non skeletal component present is organic matter. Most components are micritized and sometimes it is not easy to differentiate micritized grains with the spar. Occasionally, the components are dissolved into molds. The components are cemented together with microcrystalline spar. Intra- and interparticle pores are filled with bladed calcite crystals. Most of the component are dissolved that left large molds. The sample have been classified as grainstone.

Whole thin section (plane-polarized):



Whole thin section (cross-polarized):



Photomicrographs:

SEDIMENT/SEDIMENTARY ROCK

Lithology: grainstone

Skeletal components	major	intermediate	minor
type	foraminifera (planktic)	foraminifera (benthic)	Halimeda
comment	mollusk fragments	bryozoa	echinoid fragments, coral fragments

Cement type: bladed

Porosity (major): interparticle

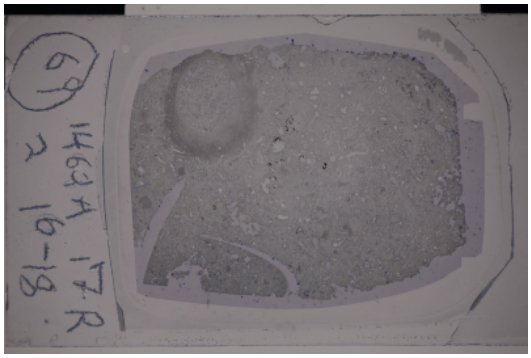
THIN SECTION LABEL ID: **359-U1469A-17R-2-W 16/18-TSB-TS_69** Thin section no.: 69

Unit/Subunit: Observer: AL

Thin section summary: This samples was taken at 152.56 to 152.58 mbsf. Skeletal components present are red algae, mollusk fragments and echinoid. Except for red algae, all other skeletal components are completely dissolved into molds. The matrix consists of microcrystalline spar. Dolomite crystals are found in the whole sample as sucrosic dolomite. The sample is completely recrystallized. And that includes the burrow. The sample have been classified as a dolomitic wackestone.

Photomicrographs:

Whole thin section (plane-polarized):



Whole thin section (cross-polarized):

SEDIMENT/SEDIMENTARY ROCK

Lithology: wackestone

Skeletal components	major	intermediate	minor
type	red algae	echinoderm	
comment	mollusk fragments		

Cement type: drusy

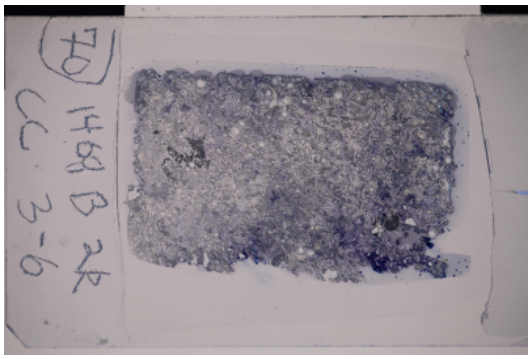
Porosity (major): moldic

THIN SECTION LABEL ID: **359-U1469B-2R-CC-W 3/6-TSB-TS_70** Thin section no.: 70

Unit/Subunit: Observer: AL

Thin section summary: This samples was taken at 122.03 to 122.06 mbsf. Skeletal components present are Halimeda,planktic foraminifera, benthic foraminifera, mollusk fragments, coral fragments and echinoid fragments. Most components are micritized and held together by microcrystalline spar. Inside the chambers/pores of the components are bladed calcite cements. Fibrous calcite cements forms around the components especially planktic foraminifera. The main pore types are intra- and interparticle porosity. The sample have been classified as a grainstone/rudstone.

Whole thin section (plane-polarized):



Whole thin section (cross-polarized):

Photomicrographs:

SEDIMENT/SEDIMENTARY ROCK

Lithology: grainstone

Skeletal components	major	intermediate	minor
type	Halimeda	foraminifera (planktic)	foraminifera (benthic)
comment	mollusk fragments	coral fragments	echinoid fragments

Cement type: drusy

Porosity (major): interparticle