

Leg	Site	Hole	Core	Section	Interval (cm)	
					Top	Bottom
379	1532	A	9	4	108	118

Observer CS

Sample ID:

*PAL Sand Fraction from core catcher
(washed and sieved at 50 um / 150 um)*

5539

Quantity: 1 cc or less

GRAIN MOUNT from SHIL-prep scrape

Sand Fraction:

Detrital (%): 90 Primary igneous (%): 10 Chemical (%): 0 Other (%): 0 (= 100%)

Present?	GRAINS/MINERALS
X	Quartz
	Feldspar, undifferentiated
	K-feldspar
X	Plagioclase
	Carbonate
	Rock Fragments
X	Euhedral crystals
	Vitric grain (glass, pumice)
	ACCESSORY/TRACE MINERALS
X	Biotite
	Muscovite
	Chlorite
X	Amphibole (hornblende)
	Tourmaline
X	Pyroxene
	Olivine
	Garnet
X	Glauconite
X	Zircon
X	Apatite
X	Titanite (sphene)
	Monazite
X	Opaque Minerals
	Other

Comments:

✓ Desc

Leg	Site	Hole	Core	Section	Interval (cm)	
					Top	Bottom
379	1532	C	T	CC	25	30

Observer CS

Sample ID:

→ PAL Sand Fraction from core catcher
(washed and sieved at 50 um / 150 um)

Quantity: 1 cc or less

Sand Fraction:

Detrital (%): _____ Primary igneous (%): > 80 Chemical (%): _____ Other (%): _____ (= 100%)
*of this, mineral ~ 40
 vitric ~ 60*

Present?	GRAINS/MINERALS
<u>D</u>	Quartz
	Feldspar, undifferentiated
<u>A</u>	K-feldspar
	Plagioclase
	Carbonate
<u>C</u>	Rock Fragments
	Euhedral crystals <i>Anhedral to subhedral</i>
<u>D</u>	Vitric grain (glass, pumice)
	ACCESSORY/TRACE MINERALS
<u>R</u>	Biotite
	Muscovite
	Chlorite
<u>R to C</u>	Amphibole (hornblende)
	Tourmaline
	Pyroxene
	Olivine
	Garnet
	Glauconite
	Zircon
	Apatite
	Titanite (sphene)
	Monazite
<u>R</u>	Opaque Minerals
	Other

Comments:

Phases suitable for $^{40}\text{Ar}/^{39}\text{Ar}$
are present

Abundant ? pumice (grain mount t.s.
in prep by Susan B.)

would be suitable for $^{40}\text{Ar}/^{39}\text{Ar}$ "groundmass"
age

379 U1532C 7FGC
25 30 FORAM
0THR9727211

- CS

Leg	Site	Hole	Core	Section	Interval (cm)	
					Top	Bottom
379	1532	C	16	CC	22	27

Observer CS

Sample ID:

*PAL Sand Fraction from core catcher
(washed and sieved at 50 um / 150 um)*

Quantity: 1 cc or less

Sand Fraction: < 38 um

Detrital (%): _____ Primary igneous (%): 90 Chemical (%): _____ Other (%): _____ (= 100%)

Present?	GRAINS/MINERALS
	Quartz
	Feldspar, undifferentiated
	K-feldspar
	Plagioclase
	Carbonate
	Rock Fragments
	Euhedral crystals
	Vitric grain (glass, pumice)
ACCESSORY/TRACE MINERALS	
X	Biotite
X	Muscovite
	Chlorite
X	Amphibole (hornblende)
	Tourmaline
	Pyroxene
	Olivine
	Garnet
	Glauconite
X	Zircon
	Apatite - <i>presumably</i>
	Titanite (sphene)
	Monazite
	Opaque Minerals
	Other

Comments:

*Suitable for mineral dating
(although CC material is only approx located)*

379 U1532C 16FCC
22 27 FORAM



0THR9730801

fractured
Green sandstone clast - extracted from
fall-in at top of 1W and 1A

Leg	Site	Hole	Core	Section	Position (cm)	
					in core	Sm.Slide #
379	1532	G	19	1W	1-3 cm	SS

Observer	CS
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Upper 1-13 cm: highly disturbed
- fall-in

LITHOLOGY: _____ (dominant) _____ (minor)

COMPOSITION: % Terrigenous _____ % Biogenic _____ (=100%)

Siliciclastic texture (%)		
% Sand	% Silt	% Clay

(= 100%)

Abundance Code
≤ 1% = TR (trace)
1% - 10% = R (rare)
10% - 25% = C (common)
25% - 50% = A (abundant)
> 50% = D (dominant)

Ab. Code	Component
SILICICLASTIC GRAINS/MINERALS	
	Framework minerals
A	Quartz - incl. rutillated
C	Feldspar
	K-feldspar
	Plagioclase
	Rock Fragments
VOLCANIC/PLUTONIC GRAINS	
	Euhedral crystals
	Vitric grain (glass, pumice)
	Palagonite (altered glass)
ACCESSORY/TRACE MINERALS	
	<u>Sheet Silicates</u>
R	Biotite
	Muscovite
C	Chlorite
	<u>Fe-Mg silicates</u>
	Amphibole (hornblende)
	Garnet
	Pyroxene
	Olivine
	<u>Other indicator minerals</u>
	Glauconite
	Chert
TR	Zircon
TR	Apatite
	Titanite (sphene)
TR	Rutile
	Carbonate
	<u>Authigenic minerals</u>
	Barite
	Manganese Oxide
	Zeolite
	<u>Opaque Minerals</u>
	Pyrite
	Fe-oxide / Fe-hydroxide

Ab. Code	Component
BIOGENIC GRAINS	
	<u>Calcareous</u>
	Foraminifers
	Nannofossils
	Calcareous debris (undifferentiated)
	<u>Siliceous</u>
	Radiolarians
	Diatoms
	Silicoflagellates
	Sponge spicules
	Siliceous debris (undifferentiated)
	<u>Others</u>
	Organic Debris
	Plant Debris
	Fish Remains (teeth, bones, scales)

Comments:

Thin Sec ordered (work by K Gohi)

dehital hercynite (Fe, Mg) Al₂ O₄