

Sample: KEL 001 Slide 1/2

Analyst: Shigen Su-Arinh

Method and date of extraction:


Describe processing area (MPI lab number, or site conditions):

118h EDTA

Date of mounting: 23.6.21

Microscope date: 23.6.21

Sample wt.: 2 mg

- 1) D/P S/P/O: Not sure. 011-1,1a-d unid organic, broken NPP
- 2) D/P S/P/O: roundel? 1,2a-d
- 3) D/P S/P/O: microcharcoal? 1,3a-d
- 4) D/P S/P/O: elongated organic something NPP  brownish. not id. transpirat.
- 5) D/P S/P/O: elongated cylindrical rogulate. 1,5a-e
- 6) D/P S/P/O: elongated <sup>cylindrical</sup> ~~in~~ <sup>sinuate</sup> ~~irregular~~ <sup>weathered</sup>. 1,6a-e
- 7) D/P S/P/O: parallepiped rogulate. 1,7a-e
- 8) D/P S/P/O: parallepiped elongated psilate 1,8a-d / <sup>could also be</sup> ~~has~~ <sup>base?</sup>
- 9) D/P S/P/O: roundel/saddle
- 10) D/P S/P/O: parallepiped rogulate.
- 11) D/P S/P/O: microcharcoal 1,11a-e
- 12) D/P S/P/O: parallepiped psilate blocky? <sup>clay chunk with fiber hanging detail</sup>
- 13) D/P S/P/O: roundel pinched top
- 14) D/P S/P/O: parallepiped psilate 1,14<sup>15</sup>a-e
- 15) D/P S/P/O: long cell into ~~irregular~~ <sup>un determined</sup> 1,14<sup>15</sup>a-e
- 16) D/P S/P/O: not sure. fibers/organic? not id? <sup>fungus</sup> hyphae
- 17) D/P S/P/O: elongate echinate elongate echinate
- 18) D/P S/P/O: cylindrical psilate cylindrical psilate
- 19) D/P S/P/O: parallepiped psilate parallepiped psilate
- 20) D/P S/P/O: parallepiped psilate blocky <sup>blocky 1,20a-e + ellipsoid</sup>
- 21) D/P S/P/O: short cell ~~roundel~~ <sup>damaged starch?</sup> ~~starch?~~ <sup>balliform</sup>
- 22) D/P S/P/O: ellipsoid ~~damaged starch?~~ ellipsoid
- 23) D/P S/P/O: parallepiped thin parallepiped thin
- 24) D/P S/P/O: Palder? **NPP - spores**
- 25) D/P S/P/O: cylindrical psilate cylindrical psilate

Notes: Fibers. ||

Sample: \_\_\_\_\_

- 26) D/P S/P/O: elongated iflorance weathered
- 27) D/P S/P/O: parallepiped elongate psilate
- 28) D/P S/P/O: saddle 2 both on the same plate 4, 2 & a-e
- 28) D/P S/P/O: roundle 5
- 29) D/P S/P/O: cylindrical rugulate
- 30) D/P S/P/O: spheroid rugulate
- 31) D/P S/P/O: parallepiped thin rugulate it's same photo
- 32) D/P S/P/O: elongate sinous
- 33) D/P S/P/O: parallepiped thin not sure, special kind NO id noid
- 34) D/P S/P/O: parallepiped thin
- 35) D/P S/P/O: long cell echinate long cell echinate
- 36) D/P S/P/O: cylindrical rugulate cylindrical rugulate
- 37) D/P S/P/O: \_\_\_\_\_
- 38) D/P S/P/O: \_\_\_\_\_
- 39) D/P S/P/O: \_\_\_\_\_
- 40) D/P S/P/O: \_\_\_\_\_
- 41) D/P S/P/O: \_\_\_\_\_
- 42) D/P S/P/O: \_\_\_\_\_
- 43) D/P S/P/O: \_\_\_\_\_
- 44) D/P S/P/O: \_\_\_\_\_
- 45) D/P S/P/O: \_\_\_\_\_
- 46) D/P S/P/O: \_\_\_\_\_
- 47) D/P S/P/O: \_\_\_\_\_
- 48) D/P S/P/O: \_\_\_\_\_
- 49) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: 401 m' ab

Analyst:     

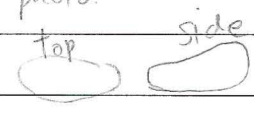
Method and date of extraction:     

Describe processing area (MPI lab number, or site conditions):     

Date of mounting:     

Microscope date: 35.6

Sample wt.:      mg

- 1) D/P S/P/O:      end, br
- 2) D/P S/P/O: elongate cylindrical psilate
- 3) D/P S/P/O: round weathered maybe algae & chrysophyte cysts biefinges
- 31 4) D/P S/P/O: Green/blue/yellowish mineral flake, has biefinges Sub angular, couldnt rotate, about 20um long
- 62 5) D/P S/P/O: not sure, small round object, flat, lined, isotropic, about 2um
- 6) D/P S/P/O: Phyto? not sure irregular form, psilate ?? not phyt
- 7) D/P S/P/O: clay? NPP?
- 8) D/P S/P/O: not sure round, with a cimple at center at center. couldn't turn it around
- 9) D/P S/P/O: not sure. fibrously organic, and round flat things fungal hyphy
- 10) D/P S/P/O: cylindrical rotate. psilate
- 11) D/P S/P/O: elipsoid not clear, flat, biefinges on edges. diatom?
- 12) D/P S/P/O: Diatom
- 13) D/P S/P/O: organic/humic NPP sub angular square transparent object
- 14) D/P S/P/O: echinate?
- 15) D/P S/P/O: round? damaged starch / phyt frag
- 16) D/P S/P/O: phyl elongate trapeziform sinuate / elongate roundel
- 17) D/P S/P/O: cylindrical psilate
- 18) D/P S/P/O: Spheroid psilate } same photo.
- 19) D/P S/P/O: elliptical with a bump  in edge sharpest } Pipilae between family of eyeball
- 20) D/P S/P/O: Roundel +?
- 21) D/P S/P/O: spheroid regulate super small?
- 22) D/P S/P/O: not sure, pollen? small round yellow spheroid NPP } same photo
- 23) D/P S/P/O: cylindrical psilate
- 24) D/P S/P/O: papillae?
- 25) D/P S/P/O: roundel

Notes:

Fibers: |||| |||

26) D/P S/P/O: elongated parallel w/d rugulate

27) D/P S/P/O: cylindrical psilate

28) D/P S/P/O: cylindrical psilate

29 28) D/P S/P/O: long cell eciate

30 29) D/P S/P/O: cylindrical rugulate x2

31 30) D/P S/P/O: saddle/bil?

32 31) D/P S/P/O: NPP round spors

33 32) D/P S/P/O: ~~not sure if phyt spheroid rugulate~~

34 33) D/P S/P/O: \_\_\_\_\_

35 34) D/P S/P/O: \_\_\_\_\_

36 35) D/P S/P/O: \_\_\_\_\_

37 36) D/P S/P/O: \_\_\_\_\_

38 37) D/P S/P/O: \_\_\_\_\_

39 38) D/P S/P/O: \_\_\_\_\_

40 39) D/P S/P/O: \_\_\_\_\_

41 40) D/P S/P/O: \_\_\_\_\_

42 41) D/P S/P/O: \_\_\_\_\_

43 42) D/P S/P/O: \_\_\_\_\_

44 43) D/P S/P/O: \_\_\_\_\_

45 44) D/P S/P/O: \_\_\_\_\_

46 45) D/P S/P/O: \_\_\_\_\_

47 46) D/P S/P/O: \_\_\_\_\_

48 47) D/P S/P/O: \_\_\_\_\_

49 48) D/P S/P/O: \_\_\_\_\_

50 49) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 008.B-1/3

Analyst: SGA



Method and date of extraction: EDTA 24h 11-12.7.21

Describe processing area (MPI lab number, or site conditions):  
test on day of EDTA

Date of mounting: 12.7.21

Microscope date: 12.7.21

Sample wt.: 2mg

- 1) D/P S/P/O: diatom fusiform
- 2) D/P S/P/O: hair of some sort? insect hair? moss in cont
- 3) D/P S/P/O: amorphous phy? void? paper products
- 4) D/P S/P/O: microchar? - 8-9 small angular pieces
- 5) D/P S/P/O: parallel piped ~~block~~ elongate frag
- 6) D/P S/P/O: ☺ one of those chrysophyte cyst (alga)
- 7) D/P S/P/O: saddle 
- 8) D/P S/P/O: cylindrical ~~parallelepipedal~~ elongate psilate
- 9) D/P S/P/O: Roundel ?? not really
- 10) D/P S/P/O: long cell echinate
- 11) D/P S/P/O: diatom elongated 
- 12) D/P S/P/O: \_\_\_\_\_
- 13) D/P S/P/O: \_\_\_\_\_
- 14) D/P S/P/O: \_\_\_\_\_
- 15) D/P S/P/O: \_\_\_\_\_
- 16) D/P S/P/O: \_\_\_\_\_
- 17) D/P S/P/O: \_\_\_\_\_
- 18) D/P S/P/O: \_\_\_\_\_
- 19) D/P S/P/O: \_\_\_\_\_
- 20) D/P S/P/O: \_\_\_\_\_
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

Notes:

Fibers: 



Sample: KEL 008.B 2/3

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Analyst: SGA

Method and date of extraction: EDTA 24h 11-12.7.21

Describe processing area (lab location, or site conditions):

Date of mounting: 13.7.21

Microscope date: 13.7.21

Sample wt.: 2mg

- 1) D/P S/P/O: Really not sure. Elliptical yet flat, probably a mineral, many fissures. not damaged
- 2) D/P S/P/O: not sure circular, yellow pollen? noid noid
- 3) D/P S/P/O: Fiber, modern? blue modern, plastic(?) basal
- 4) D/P S/P/O: Rondel
- 5) D/P S/P/O: long cell sinuate? cylindrical long cell
- 6) D/P S/P/O: ~~long cell parallelogram psilate~~ darkened } same photo
- 7) D/P S/P/O: cylindrical psilate
- 8) D/P S/P/O: either blocky psilate or ~~brockly elongated~~ bulliform
- 9) D/P S/P/O: \_\_\_\_\_
- 10) D/P S/P/O: \_\_\_\_\_
- 11) D/P S/P/O: \_\_\_\_\_
- 12) D/P S/P/O: \_\_\_\_\_
- 13) D/P S/P/O: \_\_\_\_\_
- 14) D/P S/P/O: \_\_\_\_\_
- 15) D/P S/P/O: \_\_\_\_\_
- 16) D/P S/P/O: \_\_\_\_\_
- 17) D/P S/P/O: \_\_\_\_\_
- 18) D/P S/P/O: \_\_\_\_\_
- 19) D/P S/P/O: \_\_\_\_\_
- 20) D/P S/P/O: \_\_\_\_\_
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

Notes:

Fiber. ~~XXX~~ ~~XXX~~ |  
micro charcoal: |

Sample: KEL008.B.3/3

Analyst: SGA

Method and date of extraction: M.R.T. 24h EDTA

Describe processing area (lab location, or site conditions): SG Lab

Date of mounting: 13.7.21

Microscope date: 13.7.21

Sample wt.: 2 mg

1) D/P S/P/O: sinuate tubular?

2) D/P S/P/O: not sure spherical (spheroid regulate phyt?) *not print.*

3) D/P S/P/O: cylindrical ~~ectinate~~/sinuate

4) D/P S/P/O: cylindrical (?) psilate

5) D/P S/P/O: ~~cylindrical~~ <sup>parallelepiped</sup> ~~sinuate~~ psilate

6) D/P S/P/O: ~~cylindrical~~ psilate <sup>long cell</sup> sinuate

7) D/P S/P/O: elongated parallelepiped psilate

8) D/P S/P/O: \_\_\_\_\_

9) D/P S/P/O: \_\_\_\_\_

10) D/P S/P/O: \_\_\_\_\_

11) D/P S/P/O: \_\_\_\_\_

12) D/P S/P/O: \_\_\_\_\_

13) D/P S/P/O: \_\_\_\_\_

14) D/P S/P/O: \_\_\_\_\_

15) D/P S/P/O: \_\_\_\_\_

16) D/P S/P/O: \_\_\_\_\_

17) D/P S/P/O: \_\_\_\_\_

18) D/P S/P/O: \_\_\_\_\_

19) D/P S/P/O: \_\_\_\_\_

20) D/P S/P/O: \_\_\_\_\_

21) D/P S/P/O: \_\_\_\_\_

22) D/P S/P/O: \_\_\_\_\_

23) D/P S/P/O: \_\_\_\_\_

24) D/P S/P/O: \_\_\_\_\_

25) D/P S/P/O: \_\_\_\_\_

Notes: Fibers: IIII IIII IIII II

microcharcoal.

Sample: KEL 011.B 1/3

Analyst: Shira Gur-Ariel

Method and date of extraction:

Describe processing area (lab location, or site conditions):



Date of mounting: 7.3.22

Microscope date: 7.3.22

Sample wt.: mg


- 1) D/P S/P/O: elongated <sup>eroded</sup> parallel piped rugulate scale wrong. Should be 50
- 2) D/P S/P/O: long cell cylindrical rugulate?
- 3) D/P S/P/O: long cell cylindrical rugulate (p.p.)
- 4) D/P S/P/O: papillae
- 5) D/P S/P/O: prickle + round low cone (left middle)
- 6) D/P S/P/O: trapeziform elongated, round edges
- 7) D/P S/P/O: microcharcoal potentially
- 8) D/P S/P/O: MC 3 elongated cranate/sinuate
- 9) D/P S/P/O: cylindrical rugulate } same photo + frag + algae
- 10) D/P S/P/O: not sure rather flat round particle. not starch } maybe
- 11) D/P S/P/O: trapeziform having some rounded lobes annular
- 12) D/P S/P/O: UFO organic highly degraded fern ~~anatas~~ spore??
- 13) D/P S/P/O: long cell <sup>cylindrical</sup> verrucate
- 14) D/P S/P/O: 3 cylindrical rugulate (not MC) - maybe 2 A objects in center blob
- 15) D/P S/P/O: cylindrical rugulate
- 16) D/P S/P/O: long cell politate? sinuate? } same photo
- 17) D/P S/P/O: parallepiped psilate
- 18) D/P S/P/O: cylindrical rugulate?? - phyt noid
- 19) D/P S/P/O: echinate - granulate?
- 20) D/P S/P/O: 4 sinuate (MC) } same photo
- 21) D/P S/P/O: parallepiped psilate
- 22) D/P S/P/O: cylindrical rugulate
- 23) D/P S/P/O: round } same photo
- 24) D/P S/P/O: cylindrical rugulate } same photo
- 25) D/P S/P/O: parallepiped psilate

acid - not phyt

2.5.  
15...

Notes:



- 26) D/P S/P/O: parallel piped thin psilate
- 27) D/P S/P/O: long cell sinuate
- 28) D/P S/P/O: bilobate  / more saddle
- 29) D/P S/P/O: echinate + saddle ?
- 30) D/P S/P/O: cylindrical psilate } same
- 31) D/P S/P/O: dendritic x2
- 32) D/P S/P/O: echinate (~~2 separate cells~~) } same photos
- 33) D/P S/P/O: cylindrical rugulate
- 34) D/P S/P/O: parallel piped psilate } same photo
- 35) D/P S/P/O: cylindrical psilate } same photo
- 36) D/P S/P/O: Roundel - couldn't find in photo.
- 37) D/P S/P/O: trapeziform long } same photo
- 38) D/P S/P/O: platelet x2 } same photo
- 39) D/P S/P/O: cylindrical psilate } same photo
- 40) D/P S/P/O: cylindrical psilate
- 41) D/P S/P/O: hair roundel
- 42) D/P S/P/O: long cell sinuate cylindrical } Roundel
- 43) D/P S/P/O: cylindrical psilate } same photo
- 44) D/P S/P/O: long cell <sup>photo</sup> echinate sinuate } same photo
- 45) D/P S/P/O: thin psilate
- 46) D/P S/P/O: cylindrical rugulate } same photo
- 47) D/P S/P/O: parallel piped thin x2 } same photo
- 48) D/P S/P/O: Blocky psilate
- 49) D/P S/P/O: long cell parallel piped psilate + long cell sinuate + Roundel

Notes:

50) D/P S/P/O: long cell sinuate [Same photo as 49)

51) D/P S/P/O: long cell sinuate ?

52) D/P S/P/O: long cell echinate } Same photo

53) D/P S/P/O: cylindrical rugulate }

54) D/P S/P/O: parallel piped psilate }

55) D/P S/P/O: long cell dendritic lobate?

56) D/P S/P/O: long cell echinate? sinuate

57) D/P S/P/O: parallel piped psilate

58) D/P S/P/O: parallel piped rugulate (half weathered) <sup>+2</sup> Frag

59) D/P S/P/O: long sinuate too eroded

60) D/P S/P/O: cylindrical sinuate

61) D/P S/P/O: MC 2 cylindrical rugulate

62) D/P S/P/O: dendritic } Same photo

63) D/P S/P/O: cylindrical rugulate

64) D/P S/P/O: cylindrical psilate + eroded top right

65) D/P S/P/O: diatom

66) D/P S/P/O: parallepiped psilate } same photo

67) D/P S/P/O: cylindrical psilate }

68) D/P S/P/O: round

69) D/P S/P/O: parallepiped thin } Same photo.

70) D/P S/P/O: cylindrical psilate }

71) D/P S/P/O: parallel cylindrical psilate

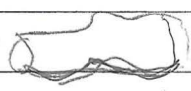
72) D/P S/P/O: MC-6 parallel piped cylindrical rugulate } Same photo.

73) D/P S/P/O: parallepiped thin rugulate.

74) D/P S/P/O: cylindrical psilate }

Notes: } Same photo

eroded

- 75) D/P S/P/O: long cell sinuate } Same photo as 74
- 76) D/P S/P/O: echinate long } Same photo as 74
- 77) D/P S/P/O: cylindrical psilate } Same photo
- 78) D/P S/P/O: roundel } Same photo
- 79) D/P S/P/O: cylindrical rugulate } Same photo
- 80) D/P S/P/O: cylindrical sinuate } Same photo
- 81) D/P S/P/O: roundel } Same photo
- 82) D/P S/P/O: prickle } Same photo
- 83) D/P S/P/O: cylindrical psilate } Same photo
- 84) D/P S/P/O: long cell sinuate } fragment
- 85) D/P S/P/O: roundel } Same photo
- 86) D/P S/P/O: ~~roundel~~ saddle } Same photo
- 87) D/P S/P/O: cylindrical psilate } Same photo
- 88) D/P S/P/O: echinate
- 89) D/P S/P/O: cypericeera } Same photo
- 90) D/P S/P/O: long cell ~~sinuate~~ <sup>echinate</sup> } Same photo
- 91) D/P S/P/O: long cell sinuate } Same photo
- 92) D/P S/P/O: roundel } Same photo
- 93) D/P S/P/O: cylindrical psilate.
- 94) D/P S/P/O: long cell psilate sinuate  } Same photo
- 95) D/P S/P/O: long cell (maybe ?), parallel piped rugulate } Same photo
- 96) D/P S/P/O: cylindrical psilate
- 97) D/P S/P/O: parallel(?) rugulate
- 98) D/P S/P/O: 2 cells parallel/cylindrical psilate } Same photo
- 99) D/P S/P/O: parallel piped psilate } Same photo



Notes:

Sample: KEL 011B 1/3

- 100) D/P S/P/O: 2 parallel piped psilate (single cells)
- 101) D/P S/P/O: parallelepiped psilate thin
- 102) D/P S/P/O: hair } same photo
- 103) D/P S/P/O: cylindrical psilate
- 104) D/P S/P/O: parallelepiped psilate
- 105) D/P S/P/O: cylindrical psilate.
- 106) D/P S/P/O: parallelepiped blocky rugulate } same photo
- 107) D/P S/P/O: ~~dicotom??~~ UFO? not dicotom } same photo
- 108) D/P S/P/O: parallelepiped psilate
- 109) D/P S/P/O: — " " " " } same photo
- 110) D/P S/P/O: hair monocot.
- 111) D/P S/P/O: parallelepiped psilate<sup>rugulate</sup>
- 112) D/P S/P/O: ~~Buliform coniform??~~ } same photo
- 113) D/P S/P/O: cylindrical rugulate
- 114) D/P S/P/O: UFO organic tetra?
- 115) D/P S/P/O: \_\_\_\_\_
- 116) D/P S/P/O: \_\_\_\_\_
- 117) D/P S/P/O: \_\_\_\_\_
- 118) D/P S/P/O: \_\_\_\_\_
- 119) D/P S/P/O: \_\_\_\_\_
- 120) D/P S/P/O: \_\_\_\_\_
- 121) D/P S/P/O: \_\_\_\_\_
- 122) D/P S/P/O: \_\_\_\_\_
- 123) D/P S/P/O: \_\_\_\_\_
- 124) D/P S/P/O: \_\_\_\_\_



Notes:

Sample: KEL MB 2/3

Analyst: SGA



Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 10.3.22

Microscope date: 10.3.22

Sample wt.: mg

- 1) D/P S/P/O: cylindrical rugulate
- 2) D/P S/P/O: squarish (round corners), ~~couldnt~~ flip tabular silica fragment
- 3) D/P S/P/O: cylindrical echinate
- 4) D/P S/P/O: cylindrical psilate } same photo.
- 5) D/P S/P/O: cylindrical rugulate }
- 6) D/P S/P/O: parallel piped psilate
- 7) D/P S/P/O: parallelepiped psilate
- 8) D/P S/P/O: prickte
- 9) D/P S/P/O: ~~cylindrical~~ <sup>long cell</sup> sinuate } same photo.
- 10) D/P S/P/O: cylindrical rugulate }
- 11) D/P S/P/O: long cell echinate } same photo
- 12) D/P S/P/O: parallel piped psilate }
- 13) D/P S/P/O: prickte
- 14) D/P S/P/O: saddle squate? }
- 15) D/P S/P/O: parallelepiped psilate } same photo + several fragments
- 16) D/P S/P/O: parallel piped psilate (thin?)
- 17) D/P S/P/O: Rondel
- 18) D/P S/P/O: something roundish  not sure about 3D same photo
- 19) D/P S/P/O: parallel piped psilate thin 
- 20) D/P S/P/O: platalet? large rectangular fussy edges
- 21) D/P S/P/O: parallelepiped rugulate <sup>thin</sup> (possible cylindrical psilate) to the right
- 22) D/P S/P/O: parallelepiped psilate } same photo
- 23) D/P S/P/O: cylindrical psilate }
- 24) D/P S/P/O: cylindrical rugulate }
- 25) D/P S/P/O: prickte didnt find in photo

Notes:

- 26) D/P S/P/O: eroded
- 27) D/P S/P/O: parallel piped' psilate <sup>thin</sup> } same photos
- 28) D/P S/P/O: sinuate l' u calicel }
- 29) D/P S/P/O: sinuate
- 30) D/P S/P/O: cylindrical psilate
- 31) D/P S/P/O: parallepiped rugulate
- 32) D/P S/P/O: long cell echinate
- 33) D/P S/P/O: long cell echinate blen? } same photo
- 34) D/P S/P/O: cylindrical psilate }
- 35) D/P S/P/O: organic do stuck in calculus matrix fiber.
- 36) D/P S/P/O: discoid <sup>honey comb pattern at botom (Porto b)</sup> - not a starch.
- 37) D/P S/P/O: MC 5 long cell . cylindrical/rugulate + psilate.
- 38) D/P S/P/O: parallel piped psilate
- 39) D/P S/P/O: long cell sinuate } same photo
- 40) D/P S/P/O: cylindrical psilate }
- 41) D/P S/P/O: elliptical? O → round } not anything no phyt
- 42) D/P S/P/O: cylindrical rugulate } same photo
- 43) D/P S/P/O: parallepiped psilate }
- 44) D/P S/P/O: parallepiped psilate } same photo
- 45) D/P S/P/O: cylindrical rugulate }
- 46) D/P S/P/O: parallepiped psilate
- 47) D/P S/P/O: parallepiped psilate thin sadler?? bottom
- 48) D/P S/P/O: parallepiped psilate thin }
- 49) D/P S/P/O: parallepiped psilate blocky } same photos  
thin }

Notes:

- 50) D/P S/P/O: parallelepiped psilate }
- 51) D/P S/P/O: parallel psilate thin } same photo
- 52) D/P S/P/O: long cell sinuate }
- 53) D/P S/P/O: Rondel
- 54) D/P S/P/O: cylindrical psilate + long cell sinuate
- 55) D/P S/P/O: Rondel
- 56) D/P S/P/O: parallel psilate (blocky??) } same photo
- 57) D/P S/P/O: long cell sinuate } same photo
- 58) D/P S/P/O: cylindrical psilate }
- 59) D/P S/P/O: parallel psilate } same photo
- 60) D/P S/P/O: - " - }
- 61) D/P S/P/O: cylindrical psilate + parallelepiped psilate (right middle center)
- 62) D/P S/P/O: prickle
- 63) D/P S/P/O: cylindrical psilate
- 64) D/P S/P/O: prickle + bulbiform parallel? } same photo
- 65) D/P S/P/O: long cell sinuate lechninate }
- 66) D/P S/P/O: papillae polygonal hat shape cyper?
- 67) D/P S/P/O: cylindrical psilate
- 68) D/P S/P/O: parallelepiped psilate } same photo
- 69) D/P S/P/O: cylindrical <sup>psilate</sup> psilate }
- 70) D/P S/P/O: long cell sinuate }
- 71) D/P S/P/O: trapeziform? maybe } same photo
- 72) D/P S/P/O: cylindrical psilate
- 73) D/P S/P/O: spherical psilate } same photo
- 74) D/P S/P/O: Saddle

Notes:

- 75) D/P S/P/O: Cylindrical psilate
- 76) D/P S/P/O: parallelepiped psilate (couldn't flip)
- 77) D/P S/P/O: MC parall psilate thin
- 78) D/P S/P/O: prickle
- 79) D/P S/P/O: parallel/cylindrical rugulate } same photo
- 80) D/P S/P/O: long cell dendritic? } very weathered
- 81) D/P S/P/O: saddle } same photo
- 82) D/P S/P/O: spherical psilate } Pollen?
- 83) D/P S/P/O: cylindrical psilate
- 84) D/P S/P/O: long cell dendritic
- 85) D/P S/P/O: \_\_\_\_\_
- 86) D/P S/P/O: \_\_\_\_\_
- 87) D/P S/P/O: \_\_\_\_\_
- 88) D/P S/P/O: \_\_\_\_\_
- 89) D/P S/P/O: \_\_\_\_\_
- 90) D/P S/P/O: \_\_\_\_\_
- 91) D/P S/P/O: \_\_\_\_\_
- 92) D/P S/P/O: \_\_\_\_\_
- 93) D/P S/P/O: \_\_\_\_\_
- 94) D/P S/P/O: \_\_\_\_\_
- 95) D/P S/P/O: \_\_\_\_\_
- 96) D/P S/P/O: \_\_\_\_\_
- 97) D/P S/P/O: \_\_\_\_\_
- 98) D/P S/P/O: \_\_\_\_\_
- 99) D/P S/P/O: \_\_\_\_\_

Notes:



Sample: KEL 011.B 3/3

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting:

Microscope date:

Sample wt.: mg

1) D/P S/P/O: Not sure isotropic no idea, discount.

2) D/P S/P/O: " " no idea.

3) D/P S/P/O: elongated sinuate/rugulate.

4) D/P S/P/O: cylindrical psilate

5) D/P S/P/O: long cell sinuate } same photo.

6) D/P S/P/O: cylindrical psilate

7) D/P S/P/O: rondel

8) D/P S/P/O: cylindrical psilate/echinata } weathered

9) D/P S/P/O: cylindrical sinuate

10) D/P S/P/O: rondel } same photo.

11) D/P S/P/O: parallel piped thin broken!

12) D/P S/P/O: cylindrical psilate ✓

13) D/P S/P/O: elongated echinate ✓ } same photo

14) D/P S/P/O: ~~irregular echinate~~

15) D/P S/P/O: not sure, discoid but puffed ✓  like mentos

16) D/P S/P/O: parallel piped psilate with a ✓ 

17) D/P S/P/O: rondel ✓

18) D/P S/P/O: parallel piped psilate }

19) D/P S/P/O: rondel } same photo

20) D/P S/P/O: cylindrical rugulate }

21) D/P S/P/O: parallel piped rugulate

22) D/P S/P/O: echinate

23) D/P S/P/O: parallel piped psilate }

24) D/P S/P/O: long cell echinate } weathered

25) D/P S/P/O: rondel discoid } same photo + 26

Notes: Fiber: ||||



- 26) D/P S/P/O: bulliform
- 27) D/P S/P/O: long cell echinate/dendritic? v
- 28) D/P S/P/O: parallel piped psilate
- 29) D/P S/P/O: rounded
- 30) D/P S/P/O: cylindrical echinate
- 31) D/P S/P/O: cylindrical rugulate.
- 32) D/P S/P/O: long cell echinate
- 33) D/P S/P/O: cylindrical psilate
- 34) D/P S/P/O: ~~rounded long~~ 2 weathered.
- 35) D/P S/P/O: cylindrical rugulate
- 36) D/P S/P/O: cylindrical echinate
- 37) D/P S/P/O: long cell <sup>poly lobate a.lea.</sup> sinuate
- 38) D/P S/P/O: cylindrical psilate
- 39) D/P S/P/O: long cell sinuate - trapeziform
- 40) D/P S/P/O: cylindrical rugulate
- 41) D/P S/P/O: parallel piped psilate ish
- 42) D/P S/P/O: long cell sinuate
- 43) D/P S/P/O: long cell rugulate - frag
- 44) D/P S/P/O: MC (2) long cell verrucate(?)
- 45) D/P S/P/O: cylindrical psilate v
- 46) D/P S/P/O: cylindrical psilate
- 47) D/P S/P/O: Not sure maybe papilae or lat shape? rabbit flip
- 48) D/P S/P/O: long cell ~~verrucate~~ sinuate
- 49) D/P S/P/O: long cell of some sort attached to a thin film

same photo

same photo.

same photo

same photo

same photo

truncate?

same photo

echinate/sinuate already counted

same photo

Notes:

weathered



polygonal  
achene (fruit)  
Seed Cyperaceae

- 50) D/P S/P/O: cylindrical psilate
- 51) D/P S/P/O: Rondel
- 52) D/P S/P/O: cylindrical rugulate } same photo weathered
- 53) D/P S/P/O: parallel piped psilate
- 54) D/P S/P/O: long cell sinuate with something round attached to it
- 55) D/P S/P/O: long cell echinate } same photo ?
- 56) D/P S/P/O: long cell echinate } same photo
- 57) D/P S/P/O: prickle }
- 58) D/P S/P/O: Rondel
- 59) D/P S/P/O: cylindrical rugulate } same photo
- 60) D/P S/P/O: parallel piped (?) rugulate }
- 61) D/P S/P/O: cylindrical sinuate.
- 62) D/P S/P/O: parallel piped psilate
- 63) D/P S/P/O: long cell sinuate
- 64) D/P S/P/O: parallel piped blotky + 2 black
- 65) D/P S/P/O: cylindrical <sup>long cell</sup> verrucate
- 66) D/P S/P/O: Rondel
- 67) D/P S/P/O: 2 parallel piped psilate } same photo
- 68) D/P S/P/O: 1 papillaea, + 1 cyperaceae polygonal
- 69) D/P S/P/O: prickle } same photo
- 70) D/P S/P/O: long cell sinuate }
- 71) D/P S/P/O: long cell echinate }
- 72) D/P S/P/O: parallel piped rugulate } weathered same photo
- 73) D/P S/P/O: cylindrical psilate }
- 74) D/P S/P/O: long cell sinuate }

?  
↓  
non id

Notes:

- 75) D/P S/P/O: long cell sinuate
- 76) D/P S/P/O: long cell sinuate
- 77) D/P S/P/O: flat pentagon (not shape?) no tip } same photo  
*cyperus  
 decline*
- 78) D/P S/P/O: Diatom. } same photo
- 79) D/P S/P/O: cylindrical psilate } same photo
- 80) D/P S/P/O: long cell echinate }
- 81) D/P S/P/O: parallepiped rugulate } same
- 82) D/P S/P/O: Rondel } same photo
- 83) D/P S/P/O: echinate long cell
- 84) D/P S/P/O: something round. not clear } not sure not ideal
- 85) D/P S/P/O: 2 long cell sinuate.
- 86) D/P S/P/O: prikle
- 87) D/P S/P/O: cylindrical psilate
- 88) D/P S/P/O: parallepiped psilate
- 89) D/P S/P/O: long cell verrucate
- 90) D/P S/P/O: parallepiped thin psilate
- 91) D/P S/P/O: saddle } same photo + micro charcoal
- 92) D/P S/P/O: parallepiped psilate. frag
- 93) D/P S/P/O: parallel piped rugulate
- 94) D/P S/P/O: long cell verrucate
- 95) D/P S/P/O: huge cylindrical rugulate??? } not ideal not phy  
 ... } same
- 96) D/P S/P/O: long cell echinate
- 97) D/P S/P/O: cylindrical echinate
- 98) D/P S/P/O: saddle
- 99) D/P S/P/O: cylindrical echinate

Notes:

100) D/P S/P/O: long cell sinate

101) D/P S/P/O: diatom

102) D/P S/P/O: something blue not sure no id not phyt

103) D/P S/P/O: parallel piped, rugulate

104) D/P S/P/O: \_\_\_\_\_

105) D/P S/P/O: \_\_\_\_\_

to

106) D/P S/P/O: \_\_\_\_\_

107) D/P S/P/O: \_\_\_\_\_

108) D/P S/P/O: \_\_\_\_\_

109) D/P S/P/O: \_\_\_\_\_

110) D/P S/P/O: \_\_\_\_\_

111) D/P S/P/O: \_\_\_\_\_

112) D/P S/P/O: \_\_\_\_\_

113) D/P S/P/O: \_\_\_\_\_

114) D/P S/P/O: \_\_\_\_\_

115) D/P S/P/O: \_\_\_\_\_

116) D/P S/P/O: \_\_\_\_\_

117) D/P S/P/O: \_\_\_\_\_

118) D/P S/P/O: \_\_\_\_\_

119) D/P S/P/O: \_\_\_\_\_

120) D/P S/P/O: \_\_\_\_\_

121) D/P S/P/O: \_\_\_\_\_

122) D/P S/P/O: \_\_\_\_\_

123) D/P S/P/O: \_\_\_\_\_

124) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 014, C-1/2

Analyst: Shira Gur-Ariel

Method and date of extraction: EOTA



Describe processing area (lab location, or site conditions):

Date of mounting: 15, 12, 21

Microscope date: 15, 12, 21

Sample wt.: mg

1) D/P S/P/O: Rounded pinched top

2) D/P S/P/O: Trapeziform rounded long

3) D/P S/P/O: ~~cylindrical~~ sinuate long cell echinate

4) D/P S/P/O: slightly elliptical spheroid, small hilum, no clear lamella, few light pits/warts/bumps, cross is distinct, relatively thin arms not straight when looking from edge, -depending on view point, 12, 82 um long cell sinuate

6) D/P S/P/O: tabular one side round rugulate. ap. rugulate

7) D/P S/P/O: not sure NPP

8) D/P S/P/O: not sure half a sphere  $\Delta$ , isotropic, rough surface no id

9) D/P S/P/O: rounded pinched top ? same photo

10) D/P S/P/O: cylindrical psilate ? same photo

11) D/P S/P/O: cylindrical psilate ?

12) D/P S/P/O: long cell echinate } same photo

13) D/P S/P/O: prickle

14) D/P S/P/O: long cell echinate/verrucate - LC inflo no id.

15) D/P S/P/O: long cell echinate/make dendritic ? same photo

16) D/P S/P/O: cylindrical rugulate } same photo

17) D/P S/P/O: Tall saddle? bilo? saddle

18) D/P S/P/O: long cell echinate

19) D/P S/P/O: not sure NPP!

20) D/P S/P/O: spheroid-elliptical rugulate - not important

21) D/P S/P/O: not sure brown + saddle? - short cell

22) D/P S/P/O: Micro charcoal? ?

23) D/P S/P/O: cylindrical psilate } same photo

24) D/P S/P/O: long cell sinuate frag

25) D/P S/P/O: Rounded + long cell (26-27)

Notes: Fiber: III

could be whatever give options. w/o?

- 26) D/P S/P/O: long cell sinuate
- 27) D/P S/P/O: long cell echinate } same ~~could not find~~ found!
- 28) D/P S/P/O: cylindrical psilate } same photo.
- 29) D/P S/P/O: cylindrical rugulate. }
- 30) D/P S/P/O: long cell echinate } same photo.
- 31) D/P S/P/O: cylindrical rugulate }
- 32) D/P S/P/O: long cell echinate
- 33) D/P S/P/O: Round long (o) /trapeziform
- 34) D/P S/P/O: 3 long cell, charred / organic brown. **NPP**
- 35) D/P S/P/O: Maybe cypripedae cone, dark. - has no point  
maybe something else no id.
- 36) D/P S/P/O: parallel piped psilate
- 37) D/P S/P/O: Round
- 38) D/P S/P/O: Round
- 39) D/P S/P/O: parallepiped psilate } same photo
- 40) D/P S/P/O: " rugulate }
- 41) D/P S/P/O: long cell echinate
- 42) D/P S/P/O: cylindrical psilate } same photo
- 43) D/P S/P/O: long cell sinuate. echinate
- 44) D/P S/P/O: papillae? **yes**
- 45) D/P S/P/O: cylindrical / parallepiped psilate
- 46) D/P S/P/O: long cell sinuate / echinate
- 47) D/P S/P/O: organic something. - scale is wrong, should be **NPP**  
50 um
- 48) D/P S/P/O: NOT sure. round, could not flip, no cross

Notes:

P.P  
49) parallepiped rugulate  
+ weathered

Seems flat. not a starch - potentially a starch  
likely. but not likely  
no id Not phyt

Sample: KEL 014.C - 1/2

50) D/P S/P/O: cylindrical psilate ? same photo

51) D/P S/P/O: organic something

52) D/P S/P/O: Not sure NPP

53) D/P S/P/O: long cell parallelepiped psilate? could be HIP

54) D/P S/P/O: \_\_\_\_\_

55) D/P S/P/O: \_\_\_\_\_

56) D/P S/P/O: Not a geogenic mineral maybe calcite

57) D/P S/P/O: mineral? no id not phyt

58) D/P S/P/O: \_\_\_\_\_

59) D/P S/P/O: \_\_\_\_\_

60) D/P S/P/O: \_\_\_\_\_

61) D/P S/P/O: \_\_\_\_\_

62) D/P S/P/O: \_\_\_\_\_

63) D/P S/P/O: \_\_\_\_\_

64) D/P S/P/O: \_\_\_\_\_

65) D/P S/P/O: \_\_\_\_\_

66) D/P S/P/O: \_\_\_\_\_

67) D/P S/P/O: \_\_\_\_\_

68) D/P S/P/O: \_\_\_\_\_

69) D/P S/P/O: \_\_\_\_\_

70) D/P S/P/O: \_\_\_\_\_

71) D/P S/P/O: \_\_\_\_\_

72) D/P S/P/O: \_\_\_\_\_

73) D/P S/P/O: \_\_\_\_\_

74) D/P S/P/O: \_\_\_\_\_

Notes:



Sample: KEL 0/4.c 2/2

Analyst: Shira Gur-Arieh

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 19.12.21

Microscope date: 19.12.21

Sample wt.: mg

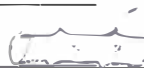
1) D/P S/P/O: npp? brownish NPP

2) D/P S/P/O: Not sure xylem spirate

3) D/P S/P/O: parallelepiped psilate, fragment

4) D/P S/P/O: NPP? brownish *same photo*

5) D/P S/P/O: cylindrical psilate

6) D/P S/P/O: cylindrical ~~echinate~~ <sup>sinuate</sup> / ~~verrucate~~ 

7) D/P S/P/O: long cell sinuate

8) D/P S/P/O: long cell echinate(?) / sinuate? / etc.

9) D/P S/P/O: parallelepiped psilate weathered

10) D/P S/P/O: roundel? couldn't turn. not sure not confident

11) D/P S/P/O: Not sure, can't turn eroded phyt?

12) D/P S/P/O: parallel piped rugulate

13) D/P S/P/O: parallelepiped psilate

14) D/P S/P/O: elliptical rugulate ??? frag.

15) D/P S/P/O: long cell sinuate (super small frag)

16) D/P S/P/O: MC (?) cylindrical psilate. (entered to single cells)

17) D/P S/P/O: long cell sinuate

18) D/P S/P/O: parallelepiped psilate

19) D/P S/P/O: parallelepiped rugulate

20) D/P S/P/O: — " —

21) D/P S/P/O: long cell echinate

22) D/P S/P/O: not sure, maybe a traped dendritic, but maybe irregular.

23) D/P S/P/O: long cell sinuate no id inflo grass

24) D/P S/P/O: top pinched roundel +? agreed.

25) D/P S/P/O: cylindrical psilate





Notes: Fibers: //

*Has only 1/2 spines*

*no id phyt*

*not secure / enough not id*

*No id not phyt*

- 26) D/P S/P/O: discoid  - ~~not phyt?~~ } same photo
- 27) D/P S/P/O: parallelepiped psilate thin  }
- 28) D/P S/P/O: MC (2) dendritic
- 29) D/P S/P/O: long cell echinate
- 30) D/P S/P/O: Roundel ~~phered~~ yes
- 31) D/P S/P/O: Roundel } same photo
- 32) D/P S/P/O: cylindrical psilate }
- 33) D/P S/P/O: ~~long cell~~ <sup>cylindrical</sup> echinate } same photo
- 34) D/P S/P/O: cylindrical psilate }
- 35) D/P S/P/O: long cell verrucate  } same photo
- 36) D/P S/P/O: platelet
- 37) D/P S/P/O: Roundel ~~squashed cone~~ } same photo
- 38) D/P S/P/O: long cell ~~rugulate~~ <sup>cylindrical</sup> }
- 39) D/P S/P/O: long cell sinuate.
- 40) D/P S/P/O: Maybe bulliform runi. form } ~~not sure~~ } same photo
- 41) D/P S/P/O: long cell sinuate
- 42) D/P S/P/O: charred particle } same photo
- 43) D/P S/P/O: round flat piece  } same photo ~~not phyt~~
- 44) D/P S/P/O: papillarea } ~~hexagonal base~~ } same photo
- 45) D/P S/P/O: papillarea }
- 46) D/P S/P/O: long cell rugulate } same photo
- 47) D/P S/P/O: long cell echinate }
- 48) D/P S/P/O: Roundel ~~trapeziform~~
- 49) D/P S/P/O: parallelepiped psilate

Notes:

- 50) D/P S/P/O: prickle
- 51) D/P S/P/O: randel (Top right corner)
- 52) D/P S/P/O: long cell psilate
- 53) D/P S/P/O: cylindrical psilate } same photo. frag
- 54) D/P S/P/O: cylindrical rugulate
- 55) D/P S/P/O: long cell cranate
- 56) D/P S/P/O: cylindrical sinuate/wavy
- 57) D/P S/P/O: cylindrical psilate
- 58) D/P S/P/O: cyperaceae not clear ~~not id~~ - small not sharp
- 59) D/P S/P/O: cylindrical psilate } same photo.
- 60) D/P S/P/O: fat discoid not a phyt? no id
- 61) D/P S/P/O: long cell sinuate weathered
- 62) D/P S/P/O: Trapeziform (Top center)
- 63) D/P S/P/O: parallepiped psilate } same photo
- 64) D/P S/P/O: long cell verrucate
- 65) D/P S/P/O: cyperaceae (bottom) - papillae not sure
- 66) D/P S/P/O: cylindrical <sup>sinuate</sup> eclivate } same photo
- 67) D/P S/P/O: parallepiped rugulate } same photo
- 68) D/P S/P/O: parallepiped rugulate + frag
- 69) D/P S/P/O: microcliarcoal.
- 70) D/P S/P/O: long cell eclivate
- 71) D/P S/P/O: dendritic? not sure in-to not defined
- 72) D/P S/P/O: cylindrical psilate
- 73) D/P S/P/O: dendritic } same photo
- 74) D/P S/P/O: papillae } same photo yes  
cyperaceae polygonal

Notes:

75) D/P S/P/O: cylindrical psilate

76) D/P S/P/O: parallelepipedal psilate thin

77) D/P S/P/O: MC (4+?) papillae + long cell decorated

} make, y  
Same photo

78) D/P S/P/O: parallelepipedal rugulate

79) D/P S/P/O: cylindrical psilate ? weathered

80) D/P S/P/O: ~~cylindrical~~ <sup>parallel piped</sup> rugulate

81) D/P S/P/O: trapeziform ~~rugulate~~

} same photo


82) D/P S/P/O: Rondel

83) D/P S/P/O: cylindrical rugulate

} same photo.

84) D/P S/P/O: Rondel

85) D/P S/P/O: cylindrical ~~rugulate~~ sinuate

86) D/P S/P/O: long cell ~~sinuate~~  - Cyperaceae?

87) D/P S/P/O: Blue/greenish grain

88) D/P S/P/O: \_\_\_\_\_

89) D/P S/P/O: \_\_\_\_\_

90) D/P S/P/O: \_\_\_\_\_

91) D/P S/P/O: \_\_\_\_\_

92) D/P S/P/O: \_\_\_\_\_

93) D/P S/P/O: \_\_\_\_\_

94) D/P S/P/O: \_\_\_\_\_

95) D/P S/P/O: \_\_\_\_\_

96) D/P S/P/O: \_\_\_\_\_

97) D/P S/P/O: \_\_\_\_\_

98) D/P S/P/O: \_\_\_\_\_

99) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 0.22 B slide 1/3

Analyst: Shira Gur-Arie



Method and date of extraction: EDTA 48h Started 24.-26.11

Describe processing area (lab or site conditions): Harvest lab

Date of mounting: 26.11.2020

Microscope date: 26.11.2020

Sample wt.: mg

- 1) D/P S/P/O: Elongated trapeziform - Amorphous - purple glass? - probably correct.
- 2) D/P S/P/O: kimwipe thing
- 3) D/P S/P/O: Diatom
- 4) D/P S/P/O: phytolith bottom is cylindrical top flat looks a bit like a tooth or bread. ↓ bulb parallel
- 5) D/P S/P/O: fiber typical
- 6) D/P S/P/O: parallel sided blocky.
- 7) D/P S/P/O: long cell sinuate sinuate
- 8) D/P S/P/O: prickle
- 9) D/P S/P/O: small angu subangular irregular spheroid body
- 10) D/P S/P/O: truncated sinuate
- 11) D/P S/P/O: Cylindrical sinuate
- 12) D/P S/P/O: - - echinate
- 13) D/P S/P/O: charred piece.
- 14) D/P S/P/O: nondiagnostic - chrysophyte oyst?
- 15) D/P S/P/O: Short cell trapeziform / <sup>rotated</sup>  
- 16) D/P S/P/O: elongated into echinate echinate
- 17) D/P S/P/O: elongated into echinate / ~~irregular~~ weather
- 18) D/P S/P/O: elongated cylindrical.
- 19) D/P S/P/O: NPP probably fungal spores.
- 20) D/P S/P/O: <sup>short cell</sup> short cell hermitic - <sup>rondel</sup> rondel / conical cyper?
- 21) D/P S/P/O: ~~charred~~ microalgal <sup>microcharcoal</sup> microcharcoal
- 22) D/P S/P/O: amylids globular? <sup>ellipsoid</sup> spheroid pitted, no cross, no hilum, no radiating.
- 23) D/P S/P/O: plant, parallel pitted thin
- 24) D/P S/P/O: not sure. not sure
- 25) D/P S/P/O: irregular form, brown NPP Irregular form, brown NPP

Notes: fibers: 

- 26) D/P S/P/O: square charred/organic pieces
- 27) D/P S/P/O: round body inside do mass. not cross, no letters.  
unknown.
- 28) D/P S/P/O: \_\_\_\_\_
- 28) D/P S/P/O: \_\_\_\_\_
- 29) D/P S/P/O: \_\_\_\_\_
- 30) D/P S/P/O: \_\_\_\_\_
- 31) D/P S/P/O: \_\_\_\_\_
- 32) D/P S/P/O: \_\_\_\_\_
- 33) D/P S/P/O: \_\_\_\_\_
- 34) D/P S/P/O: \_\_\_\_\_
- 35) D/P S/P/O: \_\_\_\_\_
- 36) D/P S/P/O: \_\_\_\_\_
- 37) D/P S/P/O: \_\_\_\_\_
- 38) D/P S/P/O: \_\_\_\_\_
- 39) D/P S/P/O: \_\_\_\_\_
- 40) D/P S/P/O: \_\_\_\_\_
- 41) D/P S/P/O: \_\_\_\_\_
- 42) D/P S/P/O: \_\_\_\_\_
- 43) D/P S/P/O: \_\_\_\_\_
- 44) D/P S/P/O: \_\_\_\_\_
- 45) D/P S/P/O: \_\_\_\_\_
- 46) D/P S/P/O: \_\_\_\_\_
- 47) D/P S/P/O: \_\_\_\_\_
- 48) D/P S/P/O: \_\_\_\_\_
- 49) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KFL 0122B slide 2/5

Page 1 of 1

Analyst: Shira

Method and date of extraction: EDTA 48h 24-26.11.2020

Describe processing area (lab or site conditions): Harvest lab.

Date of mounting: 27.11.2020

Microscope date: 27.11.2020

Sample wt.: mg

1) D/P S/P/O: bordered pits - maybe a paper product but can also be a moth

2) D/P S/P/O: elongated parallel piped <sup>with</sup> rugulate

3) D/P S/P/O: microcharcoal

4) D/P S/P/O: elongated, cylindrical with <sup>sinuate</sup> serrations, weathered

5) D/P S/P/O: elongated cylindrical <sup>psilate</sup>

6) D/P S/P/O: microcharcoal

7) D/P S/P/O: Trapeziform

8) D/P S/P/O: lylliform parallel rugulate

9) D/P S/P/O: microcharcoal

10) D/P S/P/O: MC 2 1/2 long cell phyt wavy nnnn

11) D/P S/P/O: elongated long cell sinuate

12) D/P S/P/O: short cell round <sup>bulliform</sup>

13) D/P S/P/O: long cell cylindrical psilate

14) D/P S/P/O: cylindrical sinuate weathered

15) D/P S/P/O: cylindrical psilate

16) D/P S/P/O: roundel pincer top.

17) D/P S/P/O: \_\_\_\_\_

18) D/P S/P/O: \_\_\_\_\_

19) D/P S/P/O: \_\_\_\_\_

20) D/P S/P/O: \_\_\_\_\_

21) D/P S/P/O: \_\_\_\_\_

22) D/P S/P/O: \_\_\_\_\_

23) D/P S/P/O: \_\_\_\_\_

24) D/P S/P/O: \_\_\_\_\_

25) D/P S/P/O: \_\_\_\_\_

Notes: Fiber: |||| ||

microcharcoal are usually sharpened edge / sharpish, so round things like #9 might not be charcoal

Sample: KEL 0.2213 Slide 3/3

Analyst: Shira

Method and date of extraction: EDTA 48h 24-26.11

Describe processing area (lab or site conditions): Harvest floodland

Date of mounting: 28.11.2020

Microscope date: 28.11.2020

Sample wt.: mg

1) D/P S/P/O: long cell weathered echinate.

2) D/P S/P/O: elongated dark thinny-carbonated black.

3) D/P S/P/O: elongated cylindrical rugulate

4) D/P S/P/O: long cell parallelepiped psilate

5) D/P S/P/O: parallelepiped elongated psilate

6) D/P S/P/O: long cell sinuate/echinate, weathered

7) D/P S/P/O: \_\_\_\_\_

8) D/P S/P/O: \_\_\_\_\_

9) D/P S/P/O: \_\_\_\_\_

10) D/P S/P/O: \_\_\_\_\_

11) D/P S/P/O: \_\_\_\_\_

12) D/P S/P/O: \_\_\_\_\_

13) D/P S/P/O: \_\_\_\_\_

14) D/P S/P/O: \_\_\_\_\_

15) D/P S/P/O: \_\_\_\_\_

16) D/P S/P/O: \_\_\_\_\_

17) D/P S/P/O: \_\_\_\_\_

18) D/P S/P/O: \_\_\_\_\_

19) D/P S/P/O: \_\_\_\_\_

20) D/P S/P/O: \_\_\_\_\_

21) D/P S/P/O: \_\_\_\_\_

22) D/P S/P/O: \_\_\_\_\_

23) D/P S/P/O: \_\_\_\_\_

24) D/P S/P/O: \_\_\_\_\_

25) D/P S/P/O: \_\_\_\_\_

Notes: fiber. [scribbles]



Sample: KEL 023E 1/2

Analyst: SGA

Method and date of extraction: 20-25.7 EDTA 500µl 20 min sonic, wash 200µl D.Water

Describe processing area (lab location, or site conditions): mounted SB Lab after cleaning, not fully decalcified.

Date of mounting: 25.7.

Microscope date: 25.7

Sample wt.: 2.1mg

parallel piped


1) D/P S/P/O: ~~cylindrical rugulate~~ psilate

noid (2) D/P S/P/O: Not sure if phyt or starch one looks a bit like bulliform  
uniform, but the other is different.

3) D/P S/P/O: parallelepiped elongate psilate

4) D/P S/P/O: parallel piped thin


5) D/P S/P/O: cylindrical psilate

6) D/P S/P/O: rombish very small grain, , no clear cross, small dimple at cent.

7) D/P S/P/O: cylindrical psilate

8) D/P S/P/O: micro-charcoal subangular

9) D/P S/P/O: parallelepiped rugulate


noid (10) D/P S/P/O: Not sure maybe calc, but not having strong refringes 

11) D/P S/P/O: parallelepiped psilate

12) D/P S/P/O: saddle

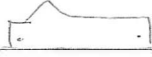
13) D/P S/P/O: long cell sinuate

14) D/P S/P/O: cylindrical psilate

noid (15) D/P S/P/O: Not sure, maybe phyt  - very small, rather thin / flat

16) D/P S/P/O: cylindrical psilate

17) D/P S/P/O: Diatom fusiform

noid (18) D/P S/P/O: cylindrical psilate 

19) D/P S/P/O: Dialf couldn't flip so don't know if flat or spherical

20) D/P S/P/O: Diatom same photo as 19

noid (21) D/P S/P/O: Don't know sub angular flat grain pinkish blueish in color

22) D/P S/P/O: cylindrical psilate

(23) D/P S/P/O: cylindrical verrucate

24) D/P S/P/O: diatom fusiform

25) D/P S/P/O: cylindrical rugulate

Notes: F. 023E 

26) D/P S/P/O: epidermal hair monocot.

27) D/P S/P/O: parallel piped psilate

28) D/P S/P/O: rectangular with round corners cant turn. dracle  
at center creating some sort of cross!

29) D/P S/P/O: parallel piped psilate

30) D/P S/P/O: cylindrical ~~regular~~ psilate

31) D/P S/P/O: Diatom

32) D/P S/P/O: elongated phyt, not sure what, cant turn.

same photo

33) D/P S/P/O: elongated verrucate

no id 34) D/P S/P/O: round small x at center, no <sup>actual</sup> cross

34 35) D/P S/P/O: long cell echinate

36) D/P S/P/O: hair epidermis monocot.

37) D/P S/P/O: cylindrical psilate

38) D/P S/P/O: \_\_\_\_\_

39) D/P S/P/O: \_\_\_\_\_

40) D/P S/P/O: \_\_\_\_\_

41) D/P S/P/O: \_\_\_\_\_

42) D/P S/P/O: \_\_\_\_\_

43) D/P S/P/O: \_\_\_\_\_

44) D/P S/P/O: \_\_\_\_\_

45) D/P S/P/O: \_\_\_\_\_

46) D/P S/P/O: \_\_\_\_\_

47) D/P S/P/O: \_\_\_\_\_

48) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL-023E 2/2

Analyst: SGA


Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 27.7

Microscope date: 27.7

Sample wt.: 2 mg

- 1) D/P S/P/O: spheroid psilate?? / starch? spheroid with one flat side and a dimple + lat center / NO clear, cross.
- 2) D/P S/P/O: cylindrical psilate
- 3) D/P S/P/O: modern(?) animal ~~feces~~ (Heterotrypa crinata) (foraminifera) triserial
- 4) D/P S/P/O: spheroid, pollen? yellowish, sphere with bumps
- 5) D/P S/P/O: micro charcoal
- 6) D/P S/P/O: diatom fusiform
- 7) D/P S/P/O: Cylindrical psilate } Same photo.
- 8) D/P S/P/O: Not sure. squerish, seems "eaten"
- 9) D/P S/P/O: long cell: echinate
- 10) D/P S/P/O: damaged starch????
- 11) D/P S/P/O: Not sure ask A. a bit like deflated ball
- 12) D/P S/P/O: long cell echinate dendritic
- 13) D/P S/P/O: elirgated trapeziform slightly sinuate
- 14) D/P S/P/O: elorgate verrate, granulate
- 15) D/P S/P/O: long cell inflo
- 16) D/P S/P/O: long cell inflo(?) cylindrical
- 17) D/P S/P/O: cylindrical echinate
- 18) D/P S/P/O: either cylindrical or just long cell varicate <sup>is to undeter</sup> echinate
- 19) D/P S/P/O: long cell echinate
- 20) D/P S/P/O: dendritic
- 21) D/P S/P/O: papillae
- 22) D/P S/P/O: parallepiped psilate
- 23) D/P S/P/O: long cell, possibly weathered, a bite on one end, and slight sinuation on sides. looks like a cross pawn
- 24) D/P S/P/O: spheroid, no cross psilate, phyt?  not spherical, but flat
- 25) D/P S/P/O: prickle

Notes:

Fibers. 

word

26) D/P S/P/O: oval, cant turn  $\oplus$ , no actual cross, just on edge

27) D/P S/P/O: cylindrical rogate

28) D/P S/P/O: cylindrical sinuate ?

29) D/P S/P/O: diatom fusiform } same photo

30) D/P S/P/O: elongated echinate/dendritic

31) D/P S/P/O: elongated tripeziform, crenate

32) D/P S/P/O: cylindrical psilate ? same photo.

33) D/P S/P/O: cylindrical rogate. } same photo.

34) D/P S/P/O: cylindrical psilate } same photo

35) D/P S/P/O: elongated phyt, possibly prickle, or parallepiped.

36) D/P S/P/O: cylindrical rogate

37) D/P S/P/O: round oval possibly thin lamda, in the outer part hardly visible, no cross, no clear hilum or pressures. possibly damaged starch

38) D/P S/P/O: cylindrical psilate } same photo

39) D/P S/P/O: cylindrical rogate/sinuate

40) D/P S/P/O: prickle } same photo

41) D/P S/P/O: cylindrical sinuate } same photo

42) D/P S/P/O: diatom

43) D/P S/P/O: damaged starch?? round, hole in center

44) D/P S/P/O: parallepiped blocky rogate.

45) D/P S/P/O: damaged starch?? } same photo

46) D/P S/P/O: roundel

47) D/P S/P/O: cylindrical psilate

word

48) D/P S/P/O:  lenticular

Notes:

49)

Sample: KEL 030.B 1/2

Analyst: S.G.F

Method and date of extraction:

Describe processing area (MPI lab number, or site conditions):

Date of mounting: 23.9.21

Microscope date: 23.9.21

Sample wt.: 22 mg

- 1) D/P S/P/O: long cell echinate. ? no id
- 2) D/P S/P/O: NPP A. don't see anything meaningful in that.
- 3) D/P S/P/O: long cell echinate
- 4) D/P S/P/O: diatom fragment.
- 5) D/P S/P/O: long cell parallel piped psilate <sup>rugulate</sup> bordered. frag
- 6) D/P S/P/O: Fiber blue - most probably modern.
- 7) D/P S/P/O: cylindroid rugulate? Weathered
- 8) D/P S/P/O: long cell echinate
- 9) D/P S/P/O: parallelepiped thin
- 10) D/P S/P/O: long cell parallelepiped psilate
- 11) D/P S/P/O: long cell cylindroid rugulate?
- 12) D/P S/P/O: prickly } same photo
- 13) D/P S/P/O: NPP or charcoal / blackened particle } same photo
- 14) D/P S/P/O: parallelepiped psilate blocky }
- 15) D/P S/P/O: greenish thingy → Marston, second author, starch spherulites
- 16) D/P S/P/O: parallelepiped psilate
- 17) D/P S/P/O: long cell rugulate cylindrical
- 18) D/P S/P/O: Roundel }
- 19) D/P S/P/O: long cell sinuate } phyto
- 20) D/P S/P/O: trapeziform sinuate
- 21) D/P S/P/O: short cell trapeziform? }
- 22) D/P S/P/O: " - /hatched something? } same photo A. Say both one seems more convincing
- 23) D/P S/P/O: Not sure round thing, flat, @ - A - nothing
- 24) D/P S/P/O: saddle/bite
- 25) D/P S/P/O: \_\_\_\_\_

for now no id no photo

Notes:

Fiber 5: |||||

Sample: KEL 030B 2/2

Analyst: S.G.A

Method and date of extraction: EDTA

Describe processing area (lab location, or site conditions):

Date of mounting: 24.9.21





Microscope date: 24.9.21

Sample wt.: 2.1mg

- 1) D/P S/P/O: NPP ?
- 2) D/P S/P/O: Fiber, plant?
- 3) D/P S/P/O: long cell sinuate Frag
- 4) D/P S/P/O: no idea Fragment no idea.
- 5) D/P S/P/O: Prickle
- 6) D/P S/P/O: Not sure? Nothing important.
- 7) D/P S/P/O: Polkn? NPP
- 8) D/P S/P/O: charred piece + NPP
- 9) D/P S/P/O: Phyt fragment, parallelepiped?
- 10) D/P S/P/O: Microcharcoal.
- 11) D/P S/P/O: roundel/trapeziform horned top. ??? ask phyt pip
- 12) D/P S/P/O: bilobate? ?? dont think its bilo. maybe cylindrical echinate?
- 13) D/P S/P/O: long cell echinate
- 14) D/P S/P/O: long cell dendritic
- 15) D/P S/P/O: NPP ???
- 16) D/P S/P/O: buliform cucurbitiform?
- 17) D/P S/P/O: frag of elongated psilate narrowed parallelepiped?
- 18) D/P S/P/O: Roundel
- 19) D/P S/P/O: Trapeziform - fragment, round, parallelepiped, trapeziform
- 20) D/P S/P/O: not sure sinuate ?? stariate
- 21) D/P S/P/O: cylindroid papillate echinate? too weathered. decol maybe sinuate?
- 22) D/P S/P/O: long cell dendritic.
- 23) D/P S/P/O: atoms/sponge?? + frag phyt.
- 24) D/P S/P/O: parallelepiped psilate } same photo
- 25) D/P S/P/O: NPP - nil

Notes:

Fibers. ~~||||~~ ~~||||~~ ~~||||~~

- 26) D/P S/P/O: Not sure - little promarginate? no bifringence? no id
- 27) D/P S/P/O: no id.  belt like, no bifringence. } Same photo no id
- 28) D/P S/P/O: ~~Rondel~~ ~~not ready~~ ? } same photo.
- 29) D/P S/P/O: Rondel/cyper cone?  } ~~rondel~~ cone.
- 30) D/P S/P/O: parallel piped psilate.
- 31) D/P S/P/O: fragment of cylindroid psilate. \* 2 + 1 something parallel piped
- 32) D/P S/P/O: Rondel pinched; + ~~elongated one~~ ?
- 33) D/P S/P/O: not sure papillate maybe ??? ~~ripples~~ } Same photo
- 34) D/P S/P/O: parallepiped rugulate
- 35) D/P S/P/O: acute bulbous  looks like ~~one~~ anatomical heart <sup>frag</sup>
- 36) D/P S/P/O:  - discoid with a small arentic <sup>papillate?</sup> hershly top ? can't see
- 37) D/P S/P/O: long cell echinate
- 38) D/P S/P/O: elongate rugulate ? same photo
- 39) D/P S/P/O: elongate sinuate ~~weathered~~ + ~~spherical~~ echinate?
- 40) D/P S/P/O: cylindroid ~~papillate~~/verucate ? } same photo
- 41) D/P S/P/O: long cell echinate
- 42) D/P S/P/O: Rondel
- 43) D/P S/P/O: long cell echinate
- 44) D/P S/P/O: cylindroid psilate Frag
- 45) D/P S/P/O: long cell <sup>carinate</sup> sinuate. Frag
- 46) D/P S/P/O: charred/darkened remains. 2 in one photo <sup>black particles</sup>
- 47) D/P S/P/O: long cell echinate.
- 48) D/P S/P/O: cylindroid echinate  $\rightarrow$  too small,
- 49) D/P S/P/O: parallepiped blocky psilate? } Same photo

Notes:



Sample: KEL 03015 2/2

50) D/P S/P/O: long cell echinate

51) D/P S/P/O: long cell renate

52) D/P S/P/O: long" cell sinuate *vign* weathered

53) D/P S/P/O: long cell *mm* weathered

54) D/P S/P/O: round

55) D/P S/P/O: parallelepiped cordate

56) D/P S/P/O: parallelepiped psilate

57) D/P S/P/O: Not sure, phyto? *Diatom?*

58) D/P S/P/O: 2 NPP *2 dark particles*

59) D/P S/P/O: papillae?

60) D/P S/P/O: not sure. *maybe sp. particles.*

61) D/P S/P/O: long cell echinate

62) D/P S/P/O: \_\_\_\_\_

63) D/P S/P/O: \_\_\_\_\_

64) D/P S/P/O: \_\_\_\_\_

65) D/P S/P/O: \_\_\_\_\_

66) D/P S/P/O: \_\_\_\_\_

67) D/P S/P/O: \_\_\_\_\_

68) D/P S/P/O: \_\_\_\_\_

69) D/P S/P/O: \_\_\_\_\_

70) D/P S/P/O: \_\_\_\_\_

71) D/P S/P/O: \_\_\_\_\_

72) D/P S/P/O: \_\_\_\_\_

73) D/P S/P/O: \_\_\_\_\_

74) D/P S/P/O: \_\_\_\_\_

Notes:



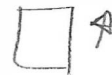


Sample: KEL 031.c slide 1/3

Analyst: SGA

Method and date of extraction: EDTA 500µl

Describe processing area (lab location, or site conditions):



Date of mounting: 13, 4, 22

Microscope date: 13, 4, 22

Sample wt.: mg

- 1) D/P S/P/O: Not sure. Isotropic. maybe fungus? NPP?
- 2) D/P S/P/O: Diatom? might be
- 3) D/P S/P/O: organic NPP? same tetra?
- 4) D/P S/P/O: Not sure. small round rather flatish with a "tail"
- 5) D/P S/P/O: long cell echinate/verucate? wavy/sinuate. same photo.
- 6) D/P S/P/O: NPP
- 7) D/P S/P/O: Something blue not sure no id no phyt. same photo
- 8) D/P S/P/O: NPP - round and small too small
- 9) D/P S/P/O: NPP too small
- 10) D/P S/P/O: not sure. oval <sup>planar side view</sup> ~~circle~~ - cracks, hiefinges. } same photo
- 11) D/P S/P/O: Buliform <sup>paracellulid</sup> ~~coniform~~ - not sure
- 12) D/P S/P/O: parallel piped rugulate
- 13) D/P S/P/O: fibers? generic fiber crap source not known, not for report
- 14) D/P S/P/O: short cell? not well preserved cross? bilobate? eroded short cell
- 15) D/P S/P/O: long cell into weathered echinate? sinuate? weathered
- 16) D/P S/P/O: squrish phyt with cracks? diatom? eroded
- 17) D/P S/P/O: NPP fungal? long cell weathered
- 18) D/P S/P/O: parallepiped psilate? same photo
- 19) D/P S/P/O: vesicular? fibers
- 20) D/P S/P/O: long cell parallepiped psilate ~~thin~~
- 21) D/P S/P/O: small round bluish, dimple at center, couldn't flip, no lamella cross not distinct, dentic, center dark
- 22) D/P S/P/O: long cell cranate. + frag
- 23) D/P S/P/O: p.p thin psilate + frag
- 24) D/P S/P/O: p.p elongate psilate? same photo
- 25) D/P S/P/O: NPP Pollen? fungal






too small to id  
- phyt?  
pric/ly  
no id.  
no phyt

no id  
- not phyt

eroded short cell  
weathered  
eroded long cell weathered





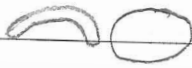
question mark  
Starch

Notes:







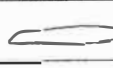
- 26) D/P S/P/O: Round
- 27) D/P S/P/O: NPP
- 28) D/P S/P/O: Not sure if NPP or some bulbiforms coniform probably NPP
- 29) D/P S/P/O: Saddle
- 30) D/P S/P/O: Small squarish dimple at center Starch???  -not a starch
- 31) D/P S/P/O: Not sure  $\Delta$  could flip, very rugos surface. <sup>erect</sup>erect phyt or nothing
- 32) D/P S/P/O: cylindrical psilate, frag
- 33) D/P S/P/O: long cell sinuate } same photo.
- 34) D/P S/P/O: fiber } fungal?
- 35) D/P S/P/O: long cell echinate
- 36) D/P S/P/O: round flat psilate  } same photo - not clear discolor psilate?
- 37) D/P S/P/O: 2 x long cells sinuate.
- 38) D/P S/P/O: cylindrical echinate/sinuate?
- 39) D/P S/P/O: Round  } same photo
- 40) D/P S/P/O: echinate
- 41) D/P S/P/O: Trapeziform } same photo. - send to NPP for yellow and round
- 42) D/P S/P/O: cylindrical rugulate - frag
- 43) D/P S/P/O: pp blocky squarish  (+ small fragments)
- 44) D/P S/P/O: NPP - pollen/NPP?
- 45) D/P S/P/O: long cell sinuate -??? } + 5 frag
- 46) D/P S/P/O: Round?? squashed cone } same photo
- 47) D/P S/P/O: echinate / weathered dendritic } - undetermined if/0
- 48) D/P S/P/O: NPP
- 49) D/P S/P/O: very faint "bump"  (top right water) } same photo.

possibly a piece of papillae, but counted as frag.




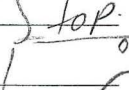
Notes:

- 50) D/P S/P/O: long cell echinate. - weathered
- 51) D/P S/P/O: cylindrical psilate + tefra?  
rugulate
- 52) D/P S/P/O: Rondel
- 53) D/P S/P/O: NPP
- 54) D/P S/P/O: p.p. blocky psilate 
- 55) D/P S/P/O: Rondel
- 56) D/P S/P/O: long cell sinuate } same photo  
- in center (darkish)
- 57) D/P S/P/O: Rondel pinched }
- 58) D/P S/P/O: parallelepiped psilate round edges. 
- 59) D/P S/P/O: cylindrical weathered } same photo.
- 60) D/P S/P/O: irregular psilate? no idea, no id phyt }
- 61) D/P S/P/O: p.p. psilate D-frag }
- 62) D/P S/P/O: Rondel horned couldn't find.
- 63) D/P S/P/O: long cell verrucate inflo undeter }
- 64) D/P S/P/O: trapeziform long round edges  } same photo
- 65) D/P S/P/O: wedge shape rugulate  } no idea.
- 66) D/P S/P/O: cylindrical psilate? }
- 67) D/P S/P/O: long cell echinate } same photos
- 68) D/P S/P/O: Rondel
- 69) D/P S/P/O: parallel piped psilate (short one) - frag }
- 70) D/P S/P/O: cylindrical psilate } same photo
- 71) D/P S/P/O: p.p. psillate }
- 72) D/P S/P/O: NPP + rex arm } same photo
- 73) D/P S/P/O: p.p. psilate (top) }
- 74) D/P S/P/O: round concaved  } no idea - not counting





Notes:

- 75) D/P S/P/O: somewhat lenticular   } same photo
- 76) D/P S/P/O: sq. orish pp. rugulate  phy? } not phy?
- 77) D/P S/P/O: randelisl  could be a phyt } all phyt
- 78) D/P S/P/O: 3/4 NPP? } same photo
- 79) D/P S/P/O: saddle  not really
- 80) D/P S/P/O: cylindrical rugulate
- 81) D/P S/P/O: NPP } same photo
- 82) D/P S/P/O: irregular rugulate? - nothing
- 83) D/P S/P/O: cylindrical rugulate
- 84) D/P S/P/O: Mc(?) cylindrical psilate ~~not really fiber?~~ } same photo
- 85) D/P S/P/O: cylindrical papillate / echinate / striate
- 86) D/P S/P/O: cylindrical rugulate
- 87) D/P S/P/O: papillae? polygonal } same photo
- 88) D/P S/P/O: cylindrical psilate
- 89) D/P S/P/O: possible prickle? - } not sure
- 90) D/P S/P/O: cylindrical psilate
- 91) D/P S/P/O: randel rondel
- 92) D/P S/P/O: long cell echinate }
- 93) D/P S/P/O: p.p. rugulate
- 94) D/P S/P/O: cylindrical rugulate?
- 95) D/P S/P/O: Randel couldn't find
- 96) D/P S/P/O: long cell echinate } same photo
- 97) D/P S/P/O: p.p. psilate }
- 98) D/P S/P/O: flat rugulate   - not sure, too weathered
- 99) D/P S/P/O: Trapeziform

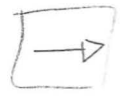
Notes:

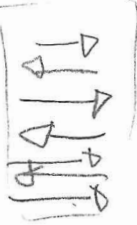
- 100) D/P S/P/O: long cell sinuate
- 101) D/P S/P/O: roundel ??? couldnt find same
- 102) D/P S/P/O: fiber? too small
- 103) D/P S/P/O: drop like  3D psilate } not sure what spheroid psilate } same photo
- 104) D/P S/P/O: cylindrical psilate
- 105) D/P S/P/O: long ~~P.P.~~ cell ~~sinuate~~
- 106) D/P S/P/O: Sqveris wedge  } same photo } not sure not photo
- 107) D/P S/P/O: long cell sinuate
- 108) D/P S/P/O: somewhat like pickle in shape but with facates }  } bottom side } nothing
- 109) D/P S/P/O: roundel
- 110) D/P S/P/O: parallel psilate } same photo
- 111) D/P S/P/O: fiber cylindrical
- 112) D/P S/P/O: long cell weathered? } nothing
- 113) D/P S/P/O: long cell sinuate } same photo
- 114) D/P S/P/O: p.p. psilate
- 115) D/P S/P/O: p.p. psilate
- 116) D/P S/P/O: p.p. psilate
- 117) D/P S/P/O: long cell cylindrical psilate } same photo
- 118) D/P S/P/O: pritle
- 119) D/P S/P/O: p.p. psilate thin maybe weathered }  } top } side
- 120) D/P S/P/O: diatom
- 121) D/P S/P/O: long cell sinuate } same photo
- 122) D/P S/P/O: cypercea yes
- 123) D/P S/P/O: p.p. psilate thin } same photo
- 124) D/P S/P/O: cylindrical psilate

Notes:

- 125 P/O NPP (2 of them) } too weathered
- 126 D/P cylindrical echinate } same photo
- 127 P/P fiber - too small
- 128 P/O not sure fibrous, birefringes - plant fiber, paper?
- 129 PP cylindrical rugulate? } p.p. psilate
- 130 PP cylindrical too small } same - spheroid rugulate
- 131 D/P trapeziform }  }  } same - spheroid rugulate } phyt? } not entire
- 132 D/P cylindrical rugulate
- 133 PP flat roundis   } isotropic } phyt? } same } maybe not entire

- 134) P/P MC(4) p.p. psilate
- 135) P/P NOT SURE maybe marine something } same photo  
dendritic
- 136) P/P ~~cylindrical psilate~~ - couldn't find } same, micro charcoal
- 137) P/P cylindrical sinuate }
- 138) monocot hair? - hair
- 139) P/O NOT SURE long, straight, hollow, lie fringes. } same photo  
not sure NPP.
- 140) cylindrical rugulate
- 141) long cell sinuate } Same photo
- 142) - NPP
- 143) cylindrical rugulate
- 144) P/P hair? cylindrical? } no idea, no phot  
same photo.
- 145) O/P P.P. rugulate }
- 146) O/P long cell sinuate
- 147) long cell sinuate } same photo
- 148) echinate
- 149) P/O yellowish hollow hemisphere } NPP
- 150) O/P saddle <sup>shed</sup> squat? } same photo
- 151) P/P trapeziform? - no
- 152) - P.P. rugulate } Same photo  
NPP
- 153) -
- 154) P/P discoid? - nothing
- 155) long cell echinate? dendritic } undetermined  
same
- 156) ~~P.P. rugulate~~ thin - not phot }
- 157) cylindrical psilate
- 158) echinate - inflo } no id  
same photo
- 159) P/P fibrous long cell } - not phot
- 160) NPP
- 161) cylindrical } same phot  
- frag





- 162) D/P cylindrical psilate
- 163) P/P papillarea
- 164) P/P fiber
- 165) P/P ~~round~~ cyperacean
- 166) P/P sinuate/fiber? } nothing.
- 167) — P/P rugulate } same
- 168) — P/P psilate } same
- 169) P/P? round thingy } couldn't flip iso - nothing
- 170) P/P rugulate } same
- 171) P/P psilate } same
- 172) long cell sinuate?? weathered
- 173) cylindrical psilate } same micro charcoal
- 174) echinate
- 175) — cylindrical psilate
- 176) — cylindrical - " - } same photo
- 177) — " — no idea } nothing
- 178) — wavy fiber? } nothing
- 179) — not sure some sort of trapeziform/bilo
- 180) — P/P rugulate
- 181) — discoid/cylindrical (couldn't flip)
- 182) P/P P/P psilate) } not sure no idea
- 183) prickle } same photo
- 184) round long/trapeziform
- 185) — cylindrical psilate
- 186) P/P psilate
- 187) diatom
- 188) P/P psilate
- 189) cylindrical psilate
- 190) P/P rugulate
- 191) P/P psilate thin } same photo

192) PP long cell dendritic(?) weathered - long cell eroded decr. & info undetermined

193) dendritic

194) NPP

195) cylindrical psilate rugulate

196) cylindrical rugulate

197) echinate

198) cylindrical psilate

} same photo

199) - Roundel

200) - PP psilate

201) - 1 MC? 1 pp psilate + 1 long cell



sinuate/cranate

202) - Saddle <sup>is same knob</sup>

- couldnt flip

- 1 npp

203) Trapeziform



no idea

↓  
no id

204) - NPP

205) - NPP

206) - NPP

207) NPP

208)

209)

210)

211)

212)

213)

214)

215)

216)

217)

218)

219)

220)

frag



Sample: KEL 031.C 2/3

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 17.4

Microscope date: 17.4

Sample wt.: mg

1) D/P S/P/O: Not sure round-elliptical, flat and somewhat concaved. nothing

2) D/P S/P/O: rounded -> small cone

3) D/P S/P/O: long cell of some sort + frag

4) D/P S/P/O: NPP fungal spore

5) D/P S/P/O: cylindrical psilate

6) D/P S/P/O: p.p. thin rugulate

7) D/P S/P/O: cylindrical psilate

8) D/P S/P/O: irregular yellowish } same - not phyt?

9) D/P S/P/O: trapeziform/rounded } horned rounded

10) D/P S/P/O: cylindrical psilate }

11) D/P S/P/O: NPP } same no idea

12) D/P S/P/O: p.p. psilate thin

13) D/P S/P/O: NPP } no idea

14) D/P S/P/O: NPP } no idea

15) D/P S/P/O: charred?? } same

16) D/P S/P/O: cyperacem? rounded? squashed cone

17) D/P S/P/O: cylindrical psilate rugulate } same

18) D/P S/P/O: p.p. psilate??? } Some birefringes? - maybe fiber? - birefringes seem to come from denticle guide

19) D/P S/P/O: NPP } same

20) D/P S/P/O: something round, pitted, spherical/elliptical } with

21) D/P S/P/O: NPP } - no idea

22) D/P S/P/O: prickle, elliptical

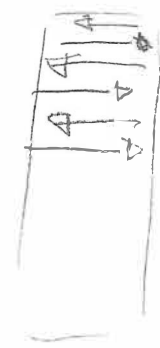
23) D/P S/P/O: round, broken couldnt flip, not sure. } not phyt

24) D/P S/P/O: cylindrical psilate

25) D/P S/P/O: Bulliform? } Annanda doesn't think so

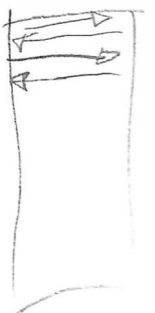
Notes:

looking at it again I agree with her. no id no phyt



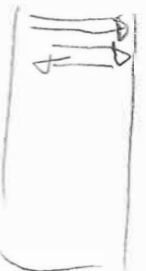
- 26) D/P S/P/O: pp. psilate + rounded at bottom / off
- 27) D/P S/P/O: long cell one side weathered, the other mostly weathered
- 28) D/P S/P/O: cylindrical psilate rugulate castelate?
- 29) D/P S/P/O: semicylindrical (some what facelate, not not phyt - some sure if phyt)
- 30) D/P S/P/O: rounded (elliptical) - squashed cone
- 31) D/P S/P/O: cylindrical psilate same photo
- 32) D/P S/P/O: cylindrical - psilate
- 33) D/P S/P/O: p.p. rugulate
- 34) D/P S/P/O: long cell weathered weathered same
- 35) D/P S/P/O: rounded not found
- 36) D/P S/P/O: cylindrical psilate
- 37) D/P S/P/O: long cell somewhat echinate info not determined
- 38) D/P S/P/O: cylindrical psilate.
- 39) D/P S/P/O: long cell sinuate
- 40) D/P S/P/O: 2 dendritic darkened
- 41) D/P S/P/O: p.p. psilate? couldn't flip more sinuate same
- 42) D/P S/P/O: cylindrical psilate
- 43) D/P S/P/O: p.p. psilate (couldn't flip) more sinuate same
- 44) D/P S/P/O: cylindrical psilate
- 45) D/P S/P/O: long cell sinuate nothing
- 46) D/P S/P/O: long cell <sup>trapeziform</sup> varnate same darkened
- 47) D/P S/P/O: long rounded / trapeziform! RPP? same
- 48) D/P S/P/O: long cell <sup>echinate</sup> echinate / dead? same
- 49) D/P S/P/O: cylindrical psilate

Notes:



- 50) D/P S/P/O: Bulliform cuneiform
- 51) D/P S/P/O: Rondel horned.
- 52) D/P S/P/O: p.p. rugulate and "eaten"
- 53) D/P S/P/O: cylindrical <sup>rugulate</sup> psilate
- 54) D/P S/P/O: p.p. psilate } same
- 55) D/P S/P/O: Rondel pinched.
- 56) D/P S/P/O: cylindrical rugulate.
- 57) D/P S/P/O: long cell echinate? - weathered
- 58) D/P S/P/O: p.p. psilate? more like sponge
- 59) D/P S/P/O: cylindrical rugulate p.p.
- 60) D/P S/P/O: ~~cylindrical psilate~~ not phyt.
- 61) D/P S/P/O: \_\_\_\_\_
- 62) D/P S/P/O: \_\_\_\_\_
- 63) D/P S/P/O: \_\_\_\_\_
- 64) D/P S/P/O: \_\_\_\_\_
- 65) D/P S/P/O: \_\_\_\_\_
- 66) D/P S/P/O: \_\_\_\_\_
- 67) D/P S/P/O: \_\_\_\_\_
- 68) D/P S/P/O: \_\_\_\_\_
- 69) D/P S/P/O: \_\_\_\_\_
- 70) D/P S/P/O: \_\_\_\_\_
- 71) D/P S/P/O: \_\_\_\_\_
- 72) D/P S/P/O: \_\_\_\_\_
- 73) D/P S/P/O: \_\_\_\_\_
- 74) D/P S/P/O: \_\_\_\_\_

Notes:





- 50) D/P S/P/O: trapeziform long }
- 51) D/P S/P/O: p.p. psilate } same
- 52) D/P S/P/O: cylindrical psilate } x2 + frag
- 53) D/P S/P/O: p.p. psilate rugulate
- 54) D/P S/P/O: long cell sinuate.
- 55) D/P S/P/O: round squashed cone }
- 56) D/P S/P/O: p.p. psilate } same
- 57) D/P S/P/O: cylindrical psilate }
- 58) D/P S/P/O: bilobate ??
- 59) D/P S/P/O: p.p. psilate } same
- 60) D/P S/P/O: p.p. psilate
- 61) D/P S/P/O: p.p. rugulate } same
- 62) D/P S/P/O: ~~trapeziform long~~ } There's some ideas cell there but in clear
- 63) D/P S/P/O: bulliform cuneiform }
- 64) D/P S/P/O: p.p. psilate sinuate } same
- 65) D/P S/P/O: platelet }
- 66) D/P S/P/O: \_\_\_\_\_
- 67) D/P S/P/O: \_\_\_\_\_
- 68) D/P S/P/O: \_\_\_\_\_
- 69) D/P S/P/O: \_\_\_\_\_
- 70) D/P S/P/O: \_\_\_\_\_
- 71) D/P S/P/O: \_\_\_\_\_
- 72) D/P S/P/O: \_\_\_\_\_
- 73) D/P S/P/O: \_\_\_\_\_
- 74) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 031.C 3/3

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):



Date of mounting: 18.4.22

Microscope date: 18.4.22

Sample wt.: mg

1) D/P S/P/O: NPP? Tefia?

2) D/P S/P/O: cylindrical psilate } same

3) D/P S/P/O: trapeziform }

4) D/P S/P/O: long cell sinuate

5) D/P S/P/O: Not sure. phyt, long cell facellate? long trapeziform

6) D/P S/P/O: echinate

7) D/P S/P/O: cylindrical echinate?

8) D/P S/P/O: cylindrical echinate } same

9) D/P S/P/O: possible ash pseudomorph??? maybe was taken at x100 mag instead

10) D/P S/P/O: p.p. rugulate

11) D/P S/P/O: NPP NPP

12) D/P S/P/O: NPP? NPP

13) D/P S/P/O: long cell echinate

14) D/P S/P/O: cylindrical psilate } same + spheroid psilate?

15) D/P S/P/O: saddle

16) D/P S/P/O: roundel } same

17) D/P S/P/O: diatom }

18) D/P S/P/O: hair monocot Diatom

19) D/P S/P/O: cylindrical echinate/verveate } same sinuate

20) D/P S/P/O: diatom }

21) D/P S/P/O: roundel squashed cone

22) D/P S/P/O: long cell echinate

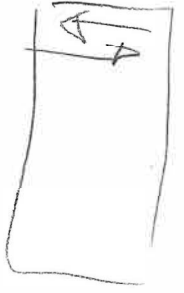
23) D/P S/P/O: cylindrical rugulate }

24) D/P S/P/O: p.p. psilate }

25) D/P S/P/O: cylindrical rugulate } same

Notes:

26 - echinate  
at 26



26) D/P S/P/O: echinate (same as 23-25)

27) D/P S/P/O: trapeziform

28) D/P S/P/O: round

29) D/P S/P/O: p.p. psilate

30) D/P S/P/O: NPP

31) D/P S/P/O: cylindrical psilate

32) D/P S/P/O: p.p. psilate

33) D/P S/P/O: prickle

34) D/P S/P/O: long cell sinuate

35) D/P S/P/O: p.p. psilate

36) D/P S/P/O: p.p. rugulate

37) D/P S/P/O: long cell echinate

38) D/P S/P/O: p.p. psilate

39) D/P S/P/O: long cell sinuate

40) D/P S/P/O: cylindrical psilate

41) D/P S/P/O: cylindrical ~~psilate~~ rugulate

42) D/P S/P/O: p.p. rugulate

43) D/P S/P/O: p.p. rugulate

44) D/P S/P/O: p.p. psilate

45) D/P S/P/O: " -

46) D/P S/P/O: cylindrical psilate

47) D/P S/P/O: " -

48) D/P S/P/O: trapeziform

49) D/P S/P/O: echinate

Notes:

Sample: KEL 032.1/1

Page 1 of     

Analyst: Shira Gur-Arieh

Method and date of extraction: EDTA 24h, centrifuge 6000 rpm

Describe processing area (MPI lab number, or site conditions):

Date of mounting: 9.6.20

Microscope date: 9.6.20

Sample wt.:      mg

1) D/P S/P/O: prickle, small KEL-032-1.1a-d

2) D/P S/P/O: Fiber KEL 032-1.2a-e

3) D/P S/P/O: Fiber


4) D/P S/P/O: looks a bit like aprichte, but flat on 2d. KEL 032-1.4a-f

5) D/P S/P/O: parallepipet' rugulate. KEL-032-1.5a-

6) D/P S/P/O: long cell psilate cylindrical 032-1.6a-d

7) D/P S/P/O: long cell rugulate 032-1.7a-d

8) D/P S/P/O: long cell wavy, echinate?? (in photo with 7)

9) D/P S/P/O: short cell roundel  032-1.8a-f

10) D/P S/P/O: short cell round x 2 032-1.9a-e


11) D/P S/P/O: long cell inflo(?) weathered. 032-1.10.a-e

12) D/P S/P/O: long cell cylindrical rugulate. 1.11a-e

13) D/P S/P/O: long cell cylindrical psilate 1.12a-e

14) D/P S/P/O: long cell parallepipet psilate 1.13a-e

15) D/P S/P/O: long cell <sup>columnar</sup> mm 1.14a-d 1.14a-d (go to Long cell psilate)

16) D/P S/P/O: triangular flat psilate  1.15a-d

17) D/P S/P/O: diatom 1.16a-d

18) D/P S/P/O: long cell" cylindrical psilate. 1.17a-d

19) D/P S/P/O: long cell inflo(?) weathered. 1.18a-d

20) D/P S/P/O: blue something. 1.19a-f

21) D/P S/P/O: heart cell??? (couldn't flip) 1.20a-d

22) D/P S/P/O: long cell cylindrical psilate 1.21a-d

23) D/P S/P/O: long cell parallepipet psilate 1.22a-d

24) D/P S/P/O: not sure, but the XPL reminded me the cross

25) D/P S/P/O: retangular, dimpled at corners

Notes: Fibers: III III III

round thing 100:1

Sample: KEL 032.2/2

Analyst: Shire Gvo-Ariel

Method and date of extraction: 24h EDTA

Describe processing area (MPI lab number, or site conditions):

Date of mounting:

Microscope date:

Sample wt.: mg

not fiber  
void

1) D/P S/P/O: Elongated thin rectangular fiber? has some birefringes 2,1a-d

2) D/P S/P/O: sub round particle with strong birefringence collars 2,2a-d

3) D/P S/P/O: sub rectangular with dimple. not sure at all. 2,3a-d

4) D/P S/P/O: diatom! 2,4a-d

5) D/P S/P/O: cylindrical, narrower on one end! also possible hair? 2,5a-d

6) D/P S/P/O: long cell into dendritic 2,6a-d

7) D/P S/P/O: long cell cylindrical <sup>rugulate</sup> 2,7a-d


8) D/P S/P/O: long cell rugulate 2,8a-d


9) D/P S/P/O: long cell parallelepiped psilate 2,9a-d

10) D/P S/P/O: long cell cylindrical <sup>rugus</sup> 2,10a-d

11) D/P S/P/O: long cell cylindrical <sup>sincate</sup> 2,11a-d

void 12) D/P S/P/O: squarish thing with round corners like #3 2,12a-e

13) D/P S/P/O: parallelepiped thin  2,13a-e

void 14) D/P S/P/O: not sure what it is phyto? bat?  14a-e

15) D/P S/P/O: Cyperaceae achene polygonal?

16) D/P S/P/O: \_\_\_\_\_

17) D/P S/P/O: \_\_\_\_\_

18) D/P S/P/O: \_\_\_\_\_

19) D/P S/P/O: \_\_\_\_\_

20) D/P S/P/O: \_\_\_\_\_

















21) D/P S/P/O: \_\_\_\_\_

22) D/P S/P/O: \_\_\_\_\_

23) D/P S/P/O: \_\_\_\_\_

24) D/P S/P/O: \_\_\_\_\_

25) D/P S/P/O: \_\_\_\_\_

Notes: Fibers:                



←

Sample: KEL 032.3/3

Analyst: Shira Giv-Ari

Method and date of extraction: 8-9.6.21 24h EDTA

Describe processing area (MPI lab number, or site conditions):

Date of mounting: 11.6.21

Microscope date: 11.6.21

Sample wt.: mg

1) D/P S/P/O: parallelepiped blocky phyt 3,1a-e

2) D/P S/P/O: roundel 3,2a-d 3,2a-e

3) D/P S/P/O: long cell cylindrical rugulate 3,3a-e


4) D/P S/P/O: short cell roundel <sup>tower</sup> 3,4a-d

5) D/P S/P/O: Broken, not sure if cylindrical or parallelepiped blocky. 3,5a-e

6) D/P S/P/O: parallelepiped psilate 3,6a-f


7) D/P S/P/O: parallelepiped psilate 3,7

8) D/P S/P/O: long cell & cylindrical decorated, rugulate. inflo not defined

9) D/P S/P/O: long cell elliptical, rugulate. (looks like wheat grain)  no photo.

10) D/P S/P/O: micro charcoal + long cell phyt?

← 11) D/P S/P/O: long cell parallel piped psilate

12) D/P S/P/O: oval lenticular with rugulate center <sup>roundel</sup>  3,12a-e

13) D/P S/P/O: long cell, one side sinuate, the other <sup>partially wavy</sup> <sup>or verrucate</sup>

14) D/P S/P/O: parallel piped rugulate

15) D/P S/P/O: long cell echinaterugulate?

16) D/P S/P/O: Same photo as 13 - prickly

17) D/P S/P/O:

18) D/P S/P/O:

19) D/P S/P/O:

20) D/P S/P/O:

21) D/P S/P/O:

22) D/P S/P/O:

23) D/P S/P/O:

24) D/P S/P/O:

25) D/P S/P/O:

Notes: Fibers III III I

3,12a-e  
inflo

look at  
photo

Sample: KEL 033.3 1/2

Analyst: Shira Gur-Arieh

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 13/12/21

Microscope date: 13/12/21

Sample wt.: mg

*Squashe*  
D *cone*  
*roundly*  
*grain*

*nothing*  
*nothing*  
*nothing*  
*same as*

- 1) DP S/P/O: short cell dome shaped with one concave
- 2) DP S/P/O: shaped side, cypergrass, 2 UFO'S one flat round and the other broken
- 3) DP S/P/O: bag-el, elliptical kidney shape, seems flat, no cross,
- 4) DP S/P/O: disc/lentil shape very small round grain. no visible lamella or hilum. not clear CROSS...
- 5) DP S/P/O: phyto both short cell roundel.
- 6) DP S/P/O: not sure rounded object pink-brownish NPP
- 7) DP S/P/O: not sure, elliptical, maybe mineral?
- 8) DP S/P/O: rounded drop shape object with 1 dimple at center. No lamella/cross
- 9) DP S/P/O: cylindrical psilate
- 10) DP S/P/O: Diatom
- 11) DP S/P/O: Large flatish disc, brownish in color NPP
- 12) DP S/P/O: damaged sterch? round
- 13) DP S/P/O: Squarish, on side is wavy, the other straight relatively thin
- 14) DP S/P/O: round spheroid with a center dimple, no lamella/cross
- 15) DP S/P/O: spheroid psilate, not sure maybe a piece of a sponge spicule - squarish cylindrical with hollowed tube, sharp edges.
- 16) DP S/P/O: cylindrical sinuate
- 17) DP S/P/O: parallel piped with rounded corners/flat cylindrical rugulate
- 18) DP S/P/O: parallel piped psilate
- 19) DP S/P/O: long cell echinate/verucate } inflo undeter
- 20) DP S/P/O: long cell sinuate } same photo.
- 21) DP S/P/O: short cell roundel.
- 22) DP S/P/O: long cell cylindrical rugulate
- 23) DP S/P/O: not sure. has a shape of a large roundel but also looks as
- 24) DP S/P/O: round el x2
- 25) DP S/P/O: long cell echinate

*nothing*  
*nothing*  
*frag of long*  
*nothing*  
*nothing*

Notes:  
Fibers: ||||| ||||| |||

- 26) (D/P) S/P/O: roundel
- 27) (D/P) S/P/O: long cell cylindrical psilate
- 28) (D/P) S/P/O: long cell sinuate
- 29) (D/P) S/P/O: parallelepiped wide and relatively flat <sup>blocks</sup>
- 30) (D/P) S/P/O: roundel
- 31) (D/P) S/P/O: long cell cylindrical psilate. frag
- 32) (D/P) S/P/O: Cylindrical echinate
- 33) (D/P) S/P/O: trapeziform short/broken frag
- 34) (D/P) S/P/O: Cylindrical psilate } same photo
- 35) (D/P) S/P/O: charred darkend object }
- 36) (D/P) S/P/O: long cell echinate } same photo
- 37) (D/P) S/P/O: Cylindrical psilate. }
- 38) (D/P) S/P/O: cylindrical psilate (2 pieces) } 1 frag
- 39) (D/P) S/P/O: charred object } same photo.
- 40) (D/P) S/P/O: cylindrical echinate. } same photo.
- 41) (D/P) S/P/O: long cell parallelepiped. psilate }
- 42) (D/P) S/P/O: long cell dendritic }
- 43) (D/P) S/P/O: cylindrical rugulate. } same photo.
- 44) (D/P) S/P/O: not sure. NPP
- 45) (D/P) S/P/O: platelet
- 46) (D/P) S/P/O: ~~long cell sinuate~~ 2 cyporaceus
- 47) (D/P) S/P/O: pridete
- 48) (D/P) S/P/O: cylindrical psilate

Notes:

49) parallel iped psilate + cylindrical rugulate  
frag

- 50) D/P S/P/O: roundel
- 51) D/P S/P/O: cylindrical psilate } same photo.
- 52) D/P S/P/O: long cell echinate??
- 53) D/P S/P/O: Maybe phyt? large round lentil shaped object. - not sure <sup>ascoid?</sup>
- 54) D/P S/P/O: Half a sphere with small verrucos. spheroid?
- 55) D/P S/P/O: long cell sinuate.
- 56) D/P S/P/O: parallepiped blocky psilate
- 57) D/P S/P/O: parallepiped psilate } same photo
- 58) D/P S/P/O: long cell banded, verrucate. - into complex
- 59) D/P S/P/O: long cell sinuate frag
- 60) D/P S/P/O: Roundel pinctal
- 61) D/P S/P/O: cylindrical psilate }
- 62) D/P S/P/O: papillae } same photo.
- 63) D/P S/P/O: parallepiped psilate } trapeziform
- 64) D/P S/P/O: ~~short cell roundel~~ not sure. some flat O
- 65) D/P S/P/O: parallepiped rugulate } same photo.
- 66) D/P S/P/O: cylindrical rugulate }
- 67) D/P S/P/O: Weathered dendritic / echinate - undeter into
- 68) D/P S/P/O: Diatom
- 69) D/P S/P/O: short cell roundel. } same photo.
- 70) D/P S/P/O: papillae??
- 71) D/P S/P/O: cylindrical ~~psilate~~ <sup>rugulate</sup> } same photo
- 72) D/P S/P/O: CONUS like a candy corn. ??? no id
- 73) D/P S/P/O: short cell saddle.
- 74) D/P S/P/O: bliform / blocky psilate? eroded

Notes:

Sample: KEL 033.3 - 1/2

- 75) D/P S/P/O: Cylindrical rugulate.
- 76) D/P S/P/O: rondel
- 77) D/P S/P/O: ~~long cell sinuate?~~ cylindrical rugulate
- 78) D/P S/P/O: long cell rugulate } same photo
- 79) D/P S/P/O: parallel piped thin trapeziform
- 80) D/P S/P/O: cylindrical rugulate? } same photo
- 81) D/P S/P/O: parallelepiped psilate }
- 82) D/P S/P/O: hair / prickle. } same photo
- 83) D/P S/P/O: parallelepiped psilate }
- 84) D/P S/P/O: fat discoid / spherical psilate
- 85) D/P S/P/O: long cell psilate. cylindrical
- 86) D/P S/P/O: cylindrical psilate?
- 87) D/P S/P/O: parallelepiped rugulate } same photo
- 88) D/P S/P/O: Wide cell sinuate?
- 89) D/P S/P/O: parallelepiped rugulate [blocky?]
- 90) D/P S/P/O: cylindrical rugulate? } same photo
- 91) D/P S/P/O: ~~parallelepiped thin?~~ }
- 92) D/P S/P/O: MC parallelepiped rugulate (3)
- 93) D/P S/P/O: Not sure, round, maybe a papillaea like hump on cell
- 94) D/P S/P/O: papillaea? } polysaccharide
- 95) D/P S/P/O: long cell echinate - inflor not deter
- 96) D/P S/P/O: Cylindrical psilate
- 97) D/P S/P/O: long cell wavy (just edge decoration long cell crescent)
- 98) D/P S/P/O: Cylindrical psilate X2? } same photo
- 99) D/P S/P/O: Diatom

Notes:

- 100) D/P S/P/O: cylindrical psilate
- 101) D/P S/P/O: cylindrical sinuate
- 102) D/P S/P/O: cylindrical ~~sinuate~~ weathered
- 103) D/P S/P/O: long cell dendritic / echinate into ucleter
- 104) D/P S/P/O: prickle - maybe?
- 105) D/P S/P/O: prickle
- 106) D/P S/P/O: cylindrical ~~psilate~~ rugulate
- 107) D/P S/P/O: cylindrical rugulate with 2 pits - <sup>not</sup> ~~psilate~~?
- 108) D/P S/P/O: cylindrical psilate frag
- 109) D/P S/P/O: 2 cylindrical psilate rugulate
- 110) D/P S/P/O: ~~dendritic~~ weathered. but dendritic
- 111) D/P S/P/O: \_\_\_\_\_
- 112) D/P S/P/O: \_\_\_\_\_
- 113) D/P S/P/O: \_\_\_\_\_
- 114) D/P S/P/O: \_\_\_\_\_
- 115) D/P S/P/O: \_\_\_\_\_
- 116) D/P S/P/O: \_\_\_\_\_
- 117) D/P S/P/O: \_\_\_\_\_
- 118) D/P S/P/O: \_\_\_\_\_
- 119) D/P S/P/O: \_\_\_\_\_
- 120) D/P S/P/O: \_\_\_\_\_
- 121) D/P S/P/O: \_\_\_\_\_
- 122) D/P S/P/O: \_\_\_\_\_
- 123) D/P S/P/O: \_\_\_\_\_
- 124) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KFL 033.3-2/2 (Ependorff washing)

Analyst: Shira Gur-Ariel

Method and date of extraction:

Describe processing area (MPI lab number, or site conditions):

Date of mounting: 14.12.21

Microscope date: 14.12.21

Sample wt.: mg

- 1) (D/P) S/P/O: cylindrical psilate 2
- 2) (D/P) S/P/O: long cell sinuate?/echinate? - frag same photo
- 3) (D/P) S/P/O: MC parallelepiped rugulate (4)
- 4) (D/P) S/P/O: Broken papillaea? - polygonal cypes
- 5) (D/P) S/P/O: Irregular rugulate / weathered?
- 6) (D/P) S/P/O: nothing small spheroid, very faint cross; maybe focus artifact
- 7) (D/P) S/P/O: cylindrical rugulate
- 8) (D/P) S/P/O: Rondel. pinched top
- 9) (D/P) S/P/O: Blocky rugulate?
- 10) (D/P) S/P/O: long cell sinuate?/ crumate?
- 11) (D/P) S/P/O: cylindrical psilate
- 12) (D/P) S/P/O: pinched <sup>top</sup> rondel
- 13) (D/P) S/P/O: Rondel
- 14) (D/P) S/P/O: papillaea
- 15) (D/P) S/P/O: long cell echinate
- 16) (D/P) S/P/O: trapeziform sinuate?
- 17) (D/P) S/P/O: crumate sinuate
- 18) (D/P) S/P/O: pinched top rondel
- 19) (D/P) S/P/O: long cell psilate
- 20) (D/P) S/P/O: strang square thilgy
- 21) (D/P) S/P/O: \_\_\_\_\_
- 22) (D/P) S/P/O: \_\_\_\_\_
- 23) (D/P) S/P/O: \_\_\_\_\_
- 24) (D/P) S/P/O: \_\_\_\_\_
- 25) (D/P) S/P/O: \_\_\_\_\_

Notes:

fibers: IIII

Sample: KEL 034.C 1/2 SGA

Page 1 of 3

- 1 50) D/P S/P/O: colored micritic mineral rhombic, bluish/greenish
- 2 51) D/P S/P/O: parallelepiped elongate psilate (fragment)
- 3 52) D/P S/P/O: cylindrical psilate
- 4 53) D/P S/P/O: - "
- 5 54) D/P S/P/O: either weathered elongated phy or diatom.
- 6 55) D/P S/P/O: small bright blue turquoise grain
- 7 56) D/P S/P/O: Rondel?
- 8 57) D/P S/P/O: Rondel
- 9 58) D/P S/P/O: long cell echinate, some what weathered
- 10 59) D/P S/P/O: long cell echinate
- 11 60) D/P S/P/O: sub rounded micritic grain yellow-green-blue.   
 outside of cover slide
- 12 61) D/P S/P/O: long cell parallelepiped psilate.
- 13 62) D/P S/P/O: long cell echinate
- 14 63) D/P S/P/O: elongated parallelepiped rugulate
- 15 64) D/P S/P/O: spheroid yellow orange thing mollen
- 16 65) D/P S/P/O: parallelepiped rugulate
- 17 66) D/P S/P/O: inflo long cell echinate
- 18 67) D/P S/P/O: long cell dendritic some what weathered
- 19 68) D/P S/P/O: mt 1101... 2 cylindrical + elongated? strange looking.
- 20 69) D/P S/P/O: echinate cylindrical? "
- 21 70) D/P S/P/O: long cell inflo weathered   
 Same photo   
 into videter
- 22 71) D/P S/P/O: long cell parallelepiped psilate.
- 23 72) D/P S/P/O: long cell sinuate
- 24 73) D/P S/P/O: long cell echinate/dendritic
- 25 74) D/P S/P/O: diatom fusiform

Notes:

Fibers: ~~||||~~ ~~||||~~ |||

Located outside cover glass on edge

70  
48



- 2675) D/P S/P/O: cylindrical echinate
- 2776) D/P S/P/O: cylindrical rugulate
- 2877) D/P S/P/O: elongate parallelepiped psilate } same photo
- 2878) D/P S/P/O: - " - } same photo
- 3079) D/P S/P/O: roundel pinched top
- 3180) D/P S/P/O: cylindrical psilate
- 3281) D/P S/P/O: short cell trapeziform
- 3382) D/P S/P/O: long cell inflo undulate?
- 3483) D/P S/P/O: round (spheroid?) echinate
- 3584) D/P S/P/O: long cell echinate
- 3685) D/P S/P/O: - " -
- 3786) D/P S/P/O: long cell cylindrical sinuate (gentle)
- 3887) D/P S/P/O: long cell sinuate
- 3988) D/P S/P/O: papillae } same photo
- 4089) D/P S/P/O: sinuate } same photo
- 4190) D/P S/P/O: echinate long
- 4291) D/P S/P/O: aporecaece
- 4392) D/P S/P/O: long cell; inflo
- 4493) D/P S/P/O: elongate dendritic
- 4594) D/P S/P/O: ellipsoid phyt? } same photo
- 4695) D/P S/P/O: short cell roundel/
- 4796) D/P S/P/O: not sure round, egg? greenish, modern?
- 4897) D/P S/P/O: Saddle
- 4998) D/P S/P/O: papillae
- 5099) D/P S/P/O: parallelepiped psilate/rugulate

Notes:

51 (D) (P) saddle

52 (D) (P) cylindrical psilate


Sample: KEL 034, C 1/2 SGA

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50) D/P S/P/O: Saddle

51) D/P S/P/O: saddle

52) D/P S/P/O: cylindrical psilate

53) D/P S/P/O: parallel piped thin 

54) D/P S/P/O: \_\_\_\_\_

55) D/P S/P/O: \_\_\_\_\_

56) D/P S/P/O: \_\_\_\_\_

57) D/P S/P/O: \_\_\_\_\_

58) D/P S/P/O: \_\_\_\_\_

59) D/P S/P/O: \_\_\_\_\_

60) D/P S/P/O: \_\_\_\_\_

61) D/P S/P/O: \_\_\_\_\_

62) D/P S/P/O: \_\_\_\_\_

63) D/P S/P/O: \_\_\_\_\_

64) D/P S/P/O: \_\_\_\_\_

65) D/P S/P/O: \_\_\_\_\_

66) D/P S/P/O: \_\_\_\_\_

67) D/P S/P/O: \_\_\_\_\_

68) D/P S/P/O: \_\_\_\_\_

69) D/P S/P/O: \_\_\_\_\_

70) D/P S/P/O: \_\_\_\_\_

71) D/P S/P/O: \_\_\_\_\_

72) D/P S/P/O: \_\_\_\_\_

73) D/P S/P/O: \_\_\_\_\_

74) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KFL 034.c 2/2 2.1 mg

Analyst: S. G. A.



Method and date of extraction:

Describe processing area (MPI lab number, or site conditions):

Date of mounting: 20.7.21


Microscope date: 20.7.21

Sample wt.: 2.1 mg

- 1) D/P S/P/O: roundel, pinched top 
- 2) D/P S/P/O: Not sure, some weathered spherical greenish things noid
- 3) D/P S/P/O: long cell echinate frag noid
- 4) D/P S/P/O: diatom?
- 5) D/P S/P/O: long cell tabular sinuate
- 6) D/P S/P/O: parallel piped psilate thin (2) } Same photo
- 7) D/P S/P/O: prickle + something else?
- 8) D/P S/P/O: parallepiped rogulate.
- 9) D/P S/P/O: cylindrical psilate + others? } Same photo
- 10) D/P S/P/O: irregular lenticular object, yellowish in ppl isotropic in ppl
- 11) D/P S/P/O: roundel pinched 
- 12) D/P S/P/O: long cell parallel piped rogulate
- 13) D/P S/P/O: cylindrical rogulate } same photo
- 14) D/P S/P/O: long cell inflo? echinate? wavy? } same photo
- 15) D/P S/P/O: short cell roundel / irregular } same photo
- 16) D/P S/P/O: long cell echinate dendritic -?
- 17) D/P S/P/O: cylindrical rogulate
- 18) D/P S/P/O: 2 cylindrical psilate
- 19) D/P S/P/O: long cell dendritic } same photo
- 20) D/P S/P/O: short cell roundel } same photo more?
- 21) D/P S/P/O: pupillae
- 22) D/P S/P/O: cylindrical psilate
- 23) D/P S/P/O: prickle
- 24) D/P S/P/O: micro charcoal
- 25) D/P S/P/O: parallel piped psilate (let photo) center } together with 26

Notes:

Fibers: 

Microfossil: 

Sample: \_\_\_\_\_

26) D/P S/P/O: cylindrical psilate (right of photo together with 25)

27) D/P S/P/O: diatom fusiform

28) D/P S/P/O: saddle

29) D/P S/P/O: cylindrical rugulate

30) D/P S/P/O: cylindrical sinuate

31) D/P S/P/O: parallel piped with <sup>slightly</sup> sinuated bottom

32) D/P S/P/O: dendritic? lechinat

33) D/P S/P/O: \_\_\_\_\_

33) D/P S/P/O: \_\_\_\_\_

34) D/P S/P/O: \_\_\_\_\_

35) D/P S/P/O: \_\_\_\_\_

36) D/P S/P/O: \_\_\_\_\_

37) D/P S/P/O: \_\_\_\_\_

38) D/P S/P/O: \_\_\_\_\_

39) D/P S/P/O: \_\_\_\_\_

40) D/P S/P/O: \_\_\_\_\_

41) D/P S/P/O: \_\_\_\_\_

42) D/P S/P/O: \_\_\_\_\_

43) D/P S/P/O: \_\_\_\_\_

44) D/P S/P/O: \_\_\_\_\_

45) D/P S/P/O: \_\_\_\_\_

46) D/P S/P/O: \_\_\_\_\_

47) D/P S/P/O: \_\_\_\_\_

48) D/P S/P/O: \_\_\_\_\_

49) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 058 1/2

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 8.8.21

Microscope date: 8.8.21

Sample wt.: ? mg

void  
void

1) D/P S/P/O: Aperitif hair monocot agree

2) D/P S/P/O: Diatom fusiform (1/2)

3) D/P S/P/O: parallelepiped. (to a level) thin (seems like inter cellular phyt)

4) D/P S/P/O: cylindrical rosulate + saddle?

5) D/P S/P/O: irregular rosulate / bulliform?

6) D/P S/P/O: Diatom

7) D/P S/P/O: cylindrical rosulate

8) D/P S/P/O: parallelepiped psilate


9) D/P S/P/O: papillae

void

10) D/P S/P/O: not identified weathered(?) } same photo.

11) D/P S/P/O: mc. parallelepiped rosulate/psilate

void

12) D/P S/P/O: looks like bulliform coniform but flat 

13) D/P S/P/O: flat elliptical

void

14) D/P S/P/O: elliptical, with 2 round "holes" at ends, phyt??

15) D/P S/P/O: cylindrical psilate

16) D/P S/P/O: damaged starch? round, flat, grooved not starch } same photo

17) D/P S/P/O: elongated, one side some what echinate the other situate

18) D/P S/P/O: cylindrical psilate + something round on left

void


19) D/P S/P/O: diatom

20) D/P S/P/O: long cell one side straight, the other wavy, may be connected to in second

21) D/P S/P/O: parallelepiped rosulate } same photo


22) D/P S/P/O: - " -

23) D/P S/P/O: roundel 

24) D/P S/P/O: elongated roundel very, psilate weathered 


25) D/P S/P/O: elliptical, roundel 

Notes: Fibers:  pinched

micro charcoal: 

Marston starch spherulite

barrier phyt?

26) D/P S/P/O: parallelepiped thin (spherical, but thin) 

27) D/P S/P/O: parallelepiped psilate

28) D/P S/P/O: prickle } Same photo


29) D/P S/P/O: diatom

30) D/P S/P/O: Rondel + long cell echinate, + cylindrical at psilate

31) D/P S/P/O: MC of dendritic elongated <sup>(about 5-6)</sup> and papillae (about 4)

32) D/P S/P/O: elongated renucate/echinate

33) D/P S/P/O: elongate dendritic/echinate + papillae +

34) D/P S/P/O: elongated psilate -  rondel void

35) D/P S/P/O: parallelepiped psilate

36) D/P S/P/O: diatom + pinched rondel

37) D/P S/P/O: cylindrical psilate but one side thin sharp?

38) D/P S/P/O: cylindrical sinuate

39) D/P S/P/O: maybe demised starch??

40) D/P S/P/O: prickle

41) D/P S/P/O: diatom


42) D/P S/P/O: rondel pinched top.

43) D/P S/P/O: Damaged starch? seeming to be spherical, with a round eaten hole

44) D/P S/P/O: cylindrical rosetate + yellow phyt <sup>noid</sup>

45) D/P S/P/O: long cell dendritic

46) D/P S/P/O: prickle

47) D/P S/P/O: elipsoid flat rosetate.  noid

48) D/P S/P/O: papillae

49) Notes: MC 2- phytoliths either dendritic or ~~very~~ <sup>very</sup> hard to

microc } Same photo as 50  
dark brown on top right.

Same photos  
A. not  
Phyt  
with red  
arrow

Same  
photo

Same  
photo

Same  
photo

↓  
thin  
shell

Sample: KEL 038 1/2

50) D/P S/P/O: parallelepiped rostrate (same photo as 49)

51) D/P S/P/O: cylindrical psilate

52) D/P S/P/O: elongate & inflo undulate

53) D/P S/P/O: Diatom

same photo { 54) D/P S/P/O: cylindrical rostrate

55) D/P S/P/O: rounded & conical

same photo { 56) D/P S/P/O: long cell inflo cell walls?

57) D/P S/P/O: 2 pieces of polyhedral?? + unknown

58) D/P S/P/O: cylindrical psilate bug on top? -> no id

59) D/P S/P/O: not sure maybe plus no id

60) D/P S/P/O: cylindrical rostrate

plata { 61) D/P S/P/O: rounded tall + papillae

62) D/P S/P/O: Diatom

63) D/P S/P/O: long cell sinuate

64) D/P S/P/O: parallelepiped rostrate + parallelepiped psilate x2

65) D/P S/P/O: cylindrical psilate


66) D/P S/P/O: long cell echinate

67) D/P S/P/O: hair noncod

68) D/P S/P/O: spheroid psilate nothing

69) D/P S/P/O: MC long cell dendritic (3) brown + sand diatom at

70) D/P S/P/O: cylindrical rostrate

 71) D/P S/P/O: not sure veggs? / age, oval, seems flat and with thin rim no id

72) D/P S/P/O: parallelepiped rostrate


73) D/P S/P/O: rounded + more?

74) D/P S/P/O: long cell sinuate

Notes:

registered  
can parallel  
pitted  
thin

same  
photo  
on  
left

75) D/P S/P/O: long cell thin round edges , rugulate

76) D/P S/P/O: long cell cylindrical rugulate

77) D/P S/P/O: long cell, some what sinuate

78) D/P S/P/O: Roundel

79) D/P S/P/O: cylindrical psilate + prickle?

same  
photos

80) D/P S/P/O: saddle

81) D/P S/P/O: papillae - broken

same  
photo

82) D/P S/P/O: hair monocot

83) D/P S/P/O: roundel pinched top

84) D/P S/P/O: Diatom

85) D/P S/P/O: cylindrical psilate, weathered

86) D/P S/P/O: long cell sinuate + center?

same  
photo

87) D/P S/P/O: cylindrical rugulate?


88) D/P S/P/O: long cell sinuate 5 + some


pitted at corner  
mid  
volcano


89) D/P S/P/O: diatom

90) D/P S/P/O: saddle + logolith/foram?

91) D/P S/P/O: parallelepiped/cylindrical psilate

92) D/P S/P/O: cylindrical rugulate 

93) D/P S/P/O: cylindrical psilate 

94) D/P S/P/O: cylindrical rugulate 

95) D/P S/P/O: \_\_\_\_\_

96) D/P S/P/O: \_\_\_\_\_

97) D/P S/P/O: \_\_\_\_\_

98) D/P S/P/O: \_\_\_\_\_

99) D/P S/P/O: \_\_\_\_\_

Notes:



Sample: KEL 038 2/2

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 10.8.21

Microscope date: 10.8

Sample wt.: 1 mg

noid

1) D/P S/P/O: Fiber (no briefing)

2) D/P S/P/O: long cell sinuate / weathered.

3) D/P S/P/O: Damaged starch? lenticular/discoid, Smc. 11, most of center is damaged, no cross.

4) D/P S/P/O: Broken Mc of 2 wavy long cells. + cylind?

5) D/P S/P/O: parallelepiped psilate

6) D/P S/P/O: cylindrical rugulate

7) D/P S/P/O: saddle

same photo

8) D/P S/P/O: rondel pinched

9) D/P S/P/O: papillae

10) D/P S/P/O: prickle

11) D/P S/P/O: long cell inflorescence + round thing

12) D/P S/P/O: Mc sinuate (4 frags) + others?

13) D/P S/P/O: cylindrical psilate

14) D/P S/P/O: elongate trapeziform

15) D/P S/P/O: cylindrical rugulate

16) D/P S/P/O: cylindrical rugulate

noid

17) D/P S/P/O: Not sure, egg? large, oval, broken and crumpled, this from of thicker edge.

18) D/P S/P/O: parallelepiped psilate ~~blocky~~ / elongate broken

19) D/P S/P/O: long cell sinuate - broken

same photo

20) D/P S/P/O: long cell dendritic

21) D/P S/P/O: cylindrical psilate x 2

22) D/P S/P/O: cylindrical psilate, one side verrucate

23) D/P S/P/O: Trapeziform

24) D/P S/P/O: papillae

25) D/P S/P/O:     

Notes: Fiber. //  
Microdendroid? //

Sample: KEL 039 1/2

Analyst: JGA

Method and date of extraction: 48h EDTA

Describe processing area (lab location, or site conditions):

Date of mounting: 11.8.21

Microscope date: 11.8.21

Sample wt.: ? mg

- 1) D/P S/P/O: micro charcoal
- 2) D/P S/P/O: Blue fiber modern?
- 3) D/P S/P/O: cylindrical rugulate
- 4) D/P S/P/O: parallelepiped psilate
- 5) D/P S/P/O: cyperacaea
- 6) D/P S/P/O: Rondel
- 7) D/P S/P/O: phyt-elliptical? or a diatom? not sure.
- 8) D/P S/P/O: not clear - if flat - or with same volume. not sure if phyt or fiber.
- 9) D/P S/P/O: flatish squeris with round corners phyt?
- 10) D/P S/P/O: diatom? sponge?
- 11) D/P S/P/O: Cylindrical sinuate rugulate.
- 12) D/P S/P/O: Rondel tower
- 13) D/P S/P/O: parallelepiped rugulate.
- 14) D/P S/P/O: \_\_\_\_\_
- 15) D/P S/P/O: \_\_\_\_\_
- 16) D/P S/P/O: \_\_\_\_\_
- 17) D/P S/P/O: \_\_\_\_\_
- 18) D/P S/P/O: \_\_\_\_\_
- 19) D/P S/P/O: \_\_\_\_\_
- 20) D/P S/P/O: \_\_\_\_\_
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

void  
void  
void  
void

Notes: Fibers: ||| ||| |||  
micro charcoal: ||

Sample: KEL 039 2/2

Analyst: SGA

Method and date of extraction: 486 G15TH

Describe processing area (lab location, or site conditions):

Date of mounting: 11.8.21

Microscope date: 11.8.21

Sample wt.: ? mg

no finds besides fibres

1) D/P S/P/O: \_\_\_\_\_

2) D/P S/P/O: \_\_\_\_\_

3) D/P S/P/O: \_\_\_\_\_

4) D/P S/P/O: \_\_\_\_\_

5) D/P S/P/O: \_\_\_\_\_

6) D/P S/P/O: \_\_\_\_\_

7) D/P S/P/O: \_\_\_\_\_

8) D/P S/P/O: \_\_\_\_\_

9) D/P S/P/O: \_\_\_\_\_

10) D/P S/P/O: \_\_\_\_\_

11) D/P S/P/O: \_\_\_\_\_

12) D/P S/P/O: \_\_\_\_\_

13) D/P S/P/O: \_\_\_\_\_

14) D/P S/P/O: \_\_\_\_\_

15) D/P S/P/O: \_\_\_\_\_

16) D/P S/P/O: \_\_\_\_\_

17) D/P S/P/O: \_\_\_\_\_

18) D/P S/P/O: \_\_\_\_\_

19) D/P S/P/O: \_\_\_\_\_

20) D/P S/P/O: \_\_\_\_\_

21) D/P S/P/O: \_\_\_\_\_

22) D/P S/P/O: \_\_\_\_\_

23) D/P S/P/O: \_\_\_\_\_

24) D/P S/P/O: \_\_\_\_\_

25) D/P S/P/O: \_\_\_\_\_

Notes:

Fibres: XXX IIII

Sample: KEL 045.B 1/2

Analyst: SGA

Method and date of extraction: 36h EDTA

Describe processing area (lab location, or site conditions):

Date of mounting: 28.7

Microscope date: 28.7

Sample wt.: 7 mg

1) D/P S/P/O: cylindrical psilate

2) D/P S/P/O: Not sure, isotropic, flat, half circle rugulate  no id

not found in photo

3) D/P S/P/O: Maybe starch?? Spherical, no clear cross, hilum or lamella?

4) D/P S/P/O: Don't know what the fuck, small discoid, no cross, isotropic

5) D/P S/P/O: Don't know what the fuck, A starch? maybe?? no id

6) D/P S/P/O: Not sure reniform, only the outer shell no starch.

7) D/P S/P/O: Spheroid, isotropic, birefringes in outer shell

8) D/P S/P/O: Diatom

9) D/P S/P/O: cylindrical rugulate? hard to turn around } Same photo

10) D/P S/P/O: elongated round edge flatish - parallel pip psilate

11) D/P S/P/O: Don't know Parasite egg?? oval, thin rim bright interference colors 1st order

no id ask Angela

12) D/P S/P/O: oval, isotropic, birefringes at edges

13) D/P S/P/O: cylindrical rugulate

14) D/P S/P/O: cylindrical rugulate } eroded diatom / fungal spore? Same photo

15) D/P S/P/O: rounded conical

16) D/P S/P/O: cylindrical psilate } diatom?

17) D/P S/P/O: cylindrical rugulate + something extra?

18) D/P S/P/O: parallel pip blocky rugulate??

19) D/P S/P/O: microbarcoal

20) D/P S/P/O: cylindrical rugulate

21) D/P S/P/O: elongated sinuate

22) D/P S/P/O: cylindrical psilate


23) D/P S/P/O: parallel pip rugulate

24) D/P S/P/O: cylindrical psilate } same photo

25) D/P S/P/O: parallel pip psilate

Notes: con III III III III III III  
micro charcoal: III III

26) D/P S/P/O: long cell sinuate

27) D/P S/P/O: compound starch? Bloby  hal!

28) D/P S/P/O: Diatom


29) D/P S/P/O: parallel lined elongate thin? was broken under pressure. maybe ~~cut~~ glass

30) D/P S/P/O: cylindrical sinuate

31) D/P S/P/O: Not sure, round, seems flat, grooved, broken. no id

32) D/P S/P/O: cylindrical (no photo)

33) D/P S/P/O: Not sure, large oval, maybe thin lamella, no cross. no id

34) D/P S/P/O: drop shape, with thin rim but otherwise  no id isotropic

35) D/P S/P/O: cylindrical psilate

36) D/P S/P/O: long cell sinuate

37) D/P S/P/O: \_\_\_\_\_

38) D/P S/P/O: \_\_\_\_\_

39) D/P S/P/O: \_\_\_\_\_

40) D/P S/P/O: \_\_\_\_\_

41) D/P S/P/O: \_\_\_\_\_

42) D/P S/P/O: \_\_\_\_\_

43) D/P S/P/O: \_\_\_\_\_

44) D/P S/P/O: \_\_\_\_\_

45) D/P S/P/O: \_\_\_\_\_

46) D/P S/P/O: \_\_\_\_\_

47) D/P S/P/O: \_\_\_\_\_

48) D/P S/P/O: \_\_\_\_\_

Notes:

33 - given its shape visible lamella, and flatness, possible + raceme but just say highly eroded starch

34 → round at center - not sure.

Potential  
Phys. Hall

Sample: KEE 045.B 2/2

Analyst: SGA

Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 1,8,21

Microscope date: 1,8,21

Sample wt.: ? mg

*damaged starches*

*A. doesn't think it is fungal*


1) D/P S/P/O: not sure, maybe starch? squerish with round corners




2) D/P S/P/O: contamination? 4 round things 88 with thin frame.

3) D/P S/P/O: starch? elliptical   fissure at 2/3 and 2 dimples, no cross

4) D/P S/P/O: cylindrical sinuate / ~~ectinate~~

5) D/P S/P/O: parallepiped blocky / bullyform parallel

6) D/P S/P/O: Don't know.  seems broken / eaten. *not starch unid*

✓ 7) D/P S/P/O: damaged starch? round but a bit squashed   no visible lamellae cracks at edges, fissure / crack at center, 2 holes at one end, remains of cross? 

8) D/P S/P/O: parallepiped psilate + something extra?


9) D/P S/P/O: microcharcoal

10) D/P S/P/O: el ~~ectinate~~ / echinate

11) D/P S/P/O: parallepiped psilate

12) D/P S/P/O: rounded pinched

13) D/P S/P/O: parallepiped thin? couldn't turn.

14) D/P S/P/O: bullyform parallepiped?  -looks like a <sup>3D</sup> molar.

15) D/P S/P/O: Round el

16) D/P S/P/O: Pridele

17) D/P S/P/O: Saddle

18) D/P S/P/O: Arickle

19) D/P S/P/O: damaged starch? round, but broken in <sup>no</sup> one side *no real cross, full birefringence.*

20) D/P S/P/O: parallepiped psilate


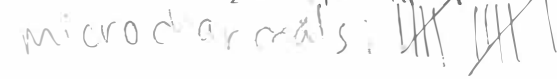
21) D/P S/P/O: cylindrical psilate } same photo


22) D/P S/P/O: long cell sinuate / cylindrical sinuate

23) D/P S/P/O: cylindrical rugulate.

24) D/P S/P/O: parallepiped rugulate

25) D/P S/P/O: diatom

Notes: Fibers:   
microcharcoals: 

- 26) D/P S/P/O: papillae-weathered.
- 27) D/P S/P/O: long cell sinuate broken, columellate deca
- 28) D/P S/P/O: cylindrical rugulate
- 29) D/P S/P/O: Inconspicuous, ventricose + others?
- 30) D/P S/P/O: papillae
- 31) D/P S/P/O: dendritic
- 32) D/P S/P/O: parallelepiped psilate
- 33) D/P S/P/O: parallel piped psilate
- 34) D/P S/P/O: roundel pinched
- 35) D/P S/P/O: long cell sinuate.
- 36) D/P S/P/O: long cell echinate
- 37) D/P S/P/O: roundel with pinched top. 
- 38) D/P S/P/O: cylindrical psilate.
- 39) D/P S/P/O: roundel tower
- 40) D/P S/P/O: roundel? caudex + flip
- 41) D/P S/P/O: \_\_\_\_\_
- 42) D/P S/P/O: \_\_\_\_\_
- 43) D/P S/P/O: \_\_\_\_\_
- 44) D/P S/P/O: \_\_\_\_\_
- 45) D/P S/P/O: \_\_\_\_\_
- 46) D/P S/P/O: \_\_\_\_\_
- 47) D/P S/P/O: \_\_\_\_\_
- 48) D/P S/P/O: \_\_\_\_\_

Notes:

Sample: KEL 046B-1/2

Analyst: S&A



Method and date of extraction: EDTA

Describe processing area (lab location, or site conditions):

Date of mounting: 26.12.21


Microscope date: 26.12.21


Sample wt.: 21mg

- 1) D/P S/P/O: Brownish UFO volcanic glass/NPP
- 2) D/P S/P/O: Short cell saddle? ~~saddle~~ not clear enough.
- 3) D/P S/P/O: Short cell bilobed couldn't flip NPP evaporation product?
- 4) D/P S/P/O: Brown UFO NPP
- 5) D/P S/P/O: cylindrical rugulate
- 6) D/P S/P/O: Dark green rombic gran - no id pigment?
- 7) D/P S/P/O: roundel
- 8) D/P S/P/O: platelet? no idea probably not
- 9) D/P S/P/O: flat polyhedral body rugulate no idea
- 10) D/P S/P/O: Not sure. wood fiber
- 11) D/P S/P/O: microcharcoal.
- 12) D/P S/P/O: phyt not sure nothing
- 13) D/P S/P/O: round irregular  on top view, from the side some
- 14) D/P S/P/O: what lentical but with a bump very fine and faint lamella maybe some with central indistinct line, some bumps on surface.
- 15) D/P S/P/O: Not sure, huge black grainy thing NPP/mold? cross is hardly visible, diffused
- 16) D/P S/P/O: cant flip, not sure  rugulate phyt? no id central
- 17) D/P S/P/O: either a cylindrical rugulate with something attached to it, or a prickle?
- 18) D/P S/P/O: frag of phyt same photo
- 19) D/P S/P/O: Brown UFO flatish parallel piped. NPP/volcanic glass
- 20) D/P S/P/O: papillae?
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

blood vessel / fungal hyphae NPP  
fibrous phyt

2 cells long  
+ prickle  
10x10x10  
micro

weathered  
is one side more bumpy  


cross is hardly visible, diffused central  


tash =  
triticum  
Agilops/  
socialis  
hereditum

Notes: Fiber 

what barley



Sample: KEL 046, B-2/2

Analyst: SGA


Method and date of extraction:

Describe processing area (lab location, or site conditions):

Date of mounting: 28, 12, 21

Microscope date: 28, 12 21

Sample wt.: mg

- 1) D/P S/P/O: ~~saddle~~ frag (too small and miserable)
- 2) D/P S/P/O: Some oval phyt  noid, not phyt.
- 3) D/P S/P/O: Burnt clay? pigment?
- 4) D/P S/P/O: microcharcoal? yes
- 5) D/P S/P/O: irregular thingy ???
- 6) D/P S/P/O: cylindrical/parallelepiped psilate?
- 7) D/P S/P/O: cylindrical psilate-frag } same photo
- 8) D/P S/P/O: very small round (top view) or maybe clear hilum on center, central cross thin straight arms, no lamella, some damage on
- 9) D/P S/P/O: long cell psilate (fragment) nothing } granule edge, maybe thin straight fissure goes out of hilum
- 10) D/P S/P/O: \_\_\_\_\_
- 11) D/P S/P/O: \_\_\_\_\_
- 12) D/P S/P/O: \_\_\_\_\_
- 13) D/P S/P/O: Hemispherical with 2 facets.
- 14) D/P S/P/O: centric refractive hilum with
- 15) D/P S/P/O: centric cross. Often found in
- 16) D/P S/P/O: grasses of various plants. could
- 17) D/P S/P/O: be authentic or contamination,
- 18) D/P S/P/O: not indicative. According to BCW
- 19) D/P S/P/O: Small seeded grain penicoid ~~seed~~ grass
- 20) D/P S/P/O: \_\_\_\_\_
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

Notes:

Fibers. 

Sample: Control collected from work bench  
at S.G. Lab on 30.6.21  
Analyst: Shira Gur-Arieh

Method and date of extraction: H<sub>2</sub>O, 10/45 ml

Describe processing area (MPI lab number, or site conditions): Vortex work bench

Date of mounting: 1.7.21

Microscope date: 1.7.21

Sample wt.: mg

- 1) D/P S/P/O: 3 unknown transparent objects
- 2) D/P S/P/O: not sure, 2 isotropic objects.
- 3) D/P S/P/O: Fibers.
- 4) D/P S/P/O: not sure, oval <sup>dipsoid</sup> object, isotropic, no lamella/kilum, or cross
- 5) D/P S/P/O: Rectangular squerish object with a cavity at center <sup>3 photo with</sup>
- 6) D/P S/P/O: round things
- 7) D/P S/P/O: flat, sub squerish, looks like a bread slice <sup>(+) (P)</sup> no distinguishable
- 8) D/P S/P/O: square starch? <sup>lamella or kilum, just a fissur. not clear if actual cross of extinction</sup>
- 9) D/P S/P/O: Oval thing with folds, strong interference <sup>or just because of fissure.</sup>
- 10) D/P S/P/O: Round yellowish brown object
- 11) D/P S/P/O: diatom?
- 12) D/P S/P/O: diatom?
- 13) D/P S/P/O: " - "
- 14) D/P S/P/O: \_\_\_\_\_
- 15) D/P S/P/O: \_\_\_\_\_
- 16) D/P S/P/O: \_\_\_\_\_
- 17) D/P S/P/O: \_\_\_\_\_
- 18) D/P S/P/O: \_\_\_\_\_
- 19) D/P S/P/O: \_\_\_\_\_
- 20) D/P S/P/O: \_\_\_\_\_
- 21) D/P S/P/O: \_\_\_\_\_
- 22) D/P S/P/O: \_\_\_\_\_
- 23) D/P S/P/O: \_\_\_\_\_
- 24) D/P S/P/O: \_\_\_\_\_
- 25) D/P S/P/O: \_\_\_\_\_

Notes:

Fibers:

Signatures marks

Signatures marks

Signatures marks