

Jersey SGB Excursion CR'

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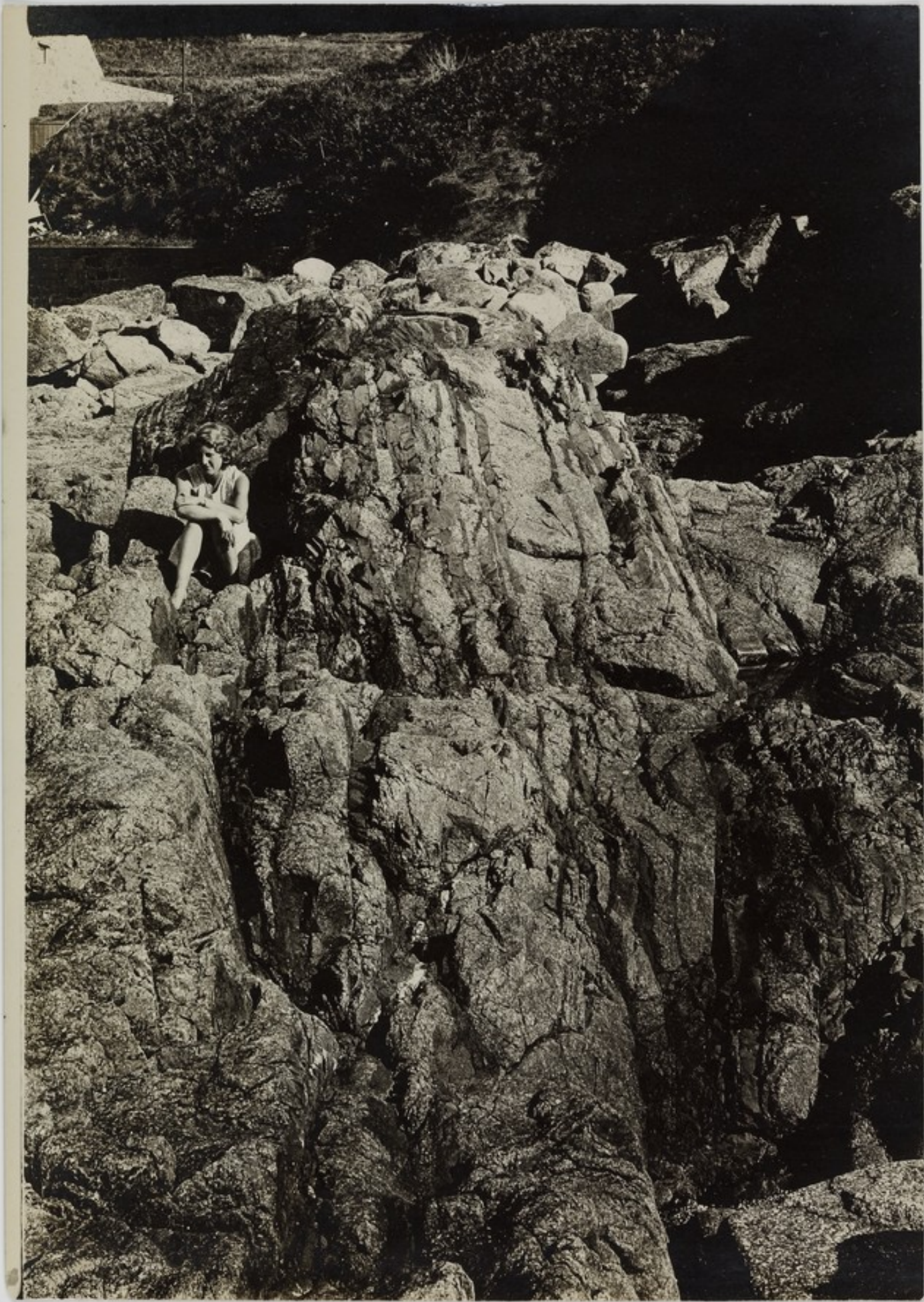
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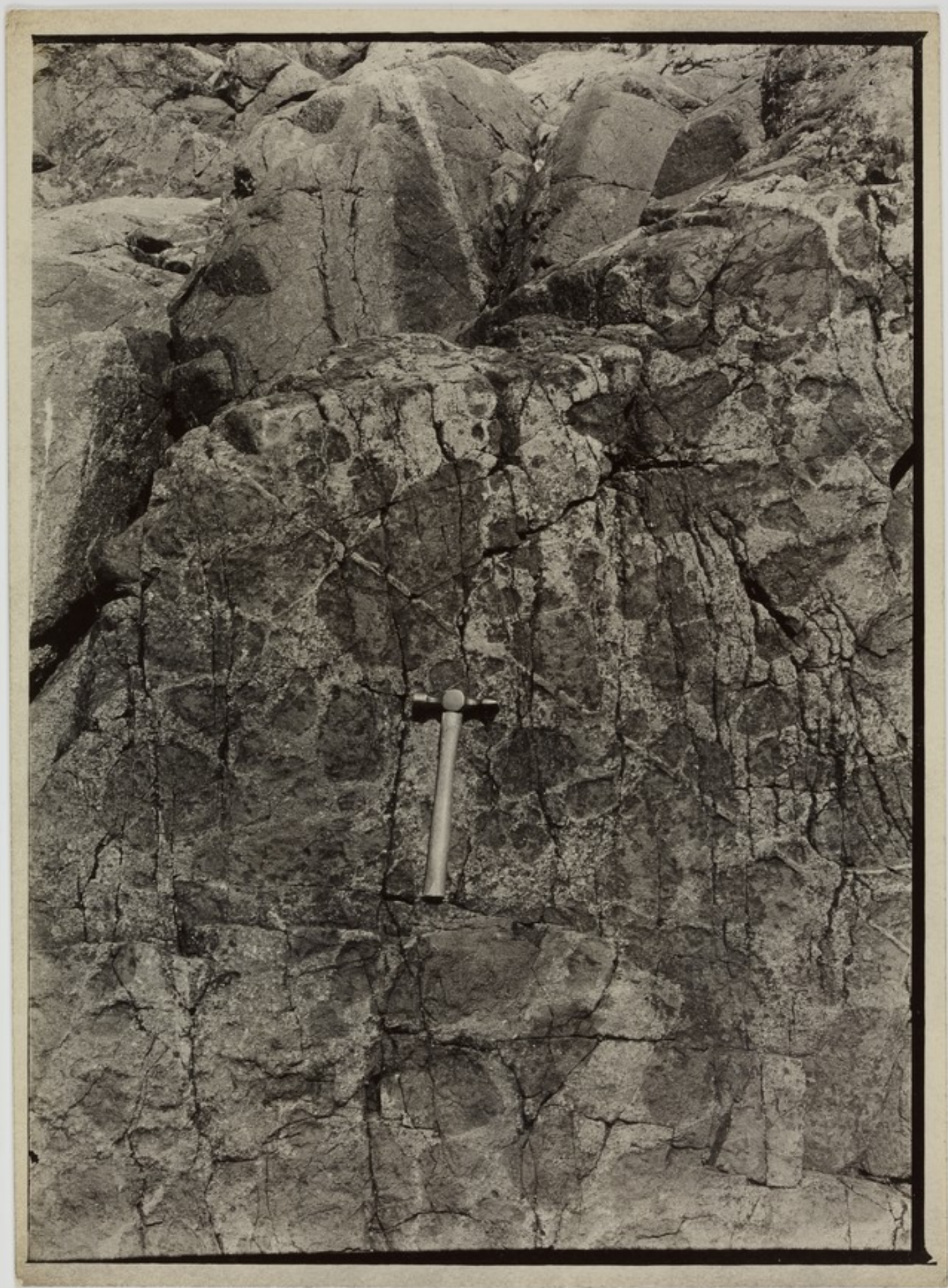


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Monastirian beach the
point





Flow white
Bordez Bay









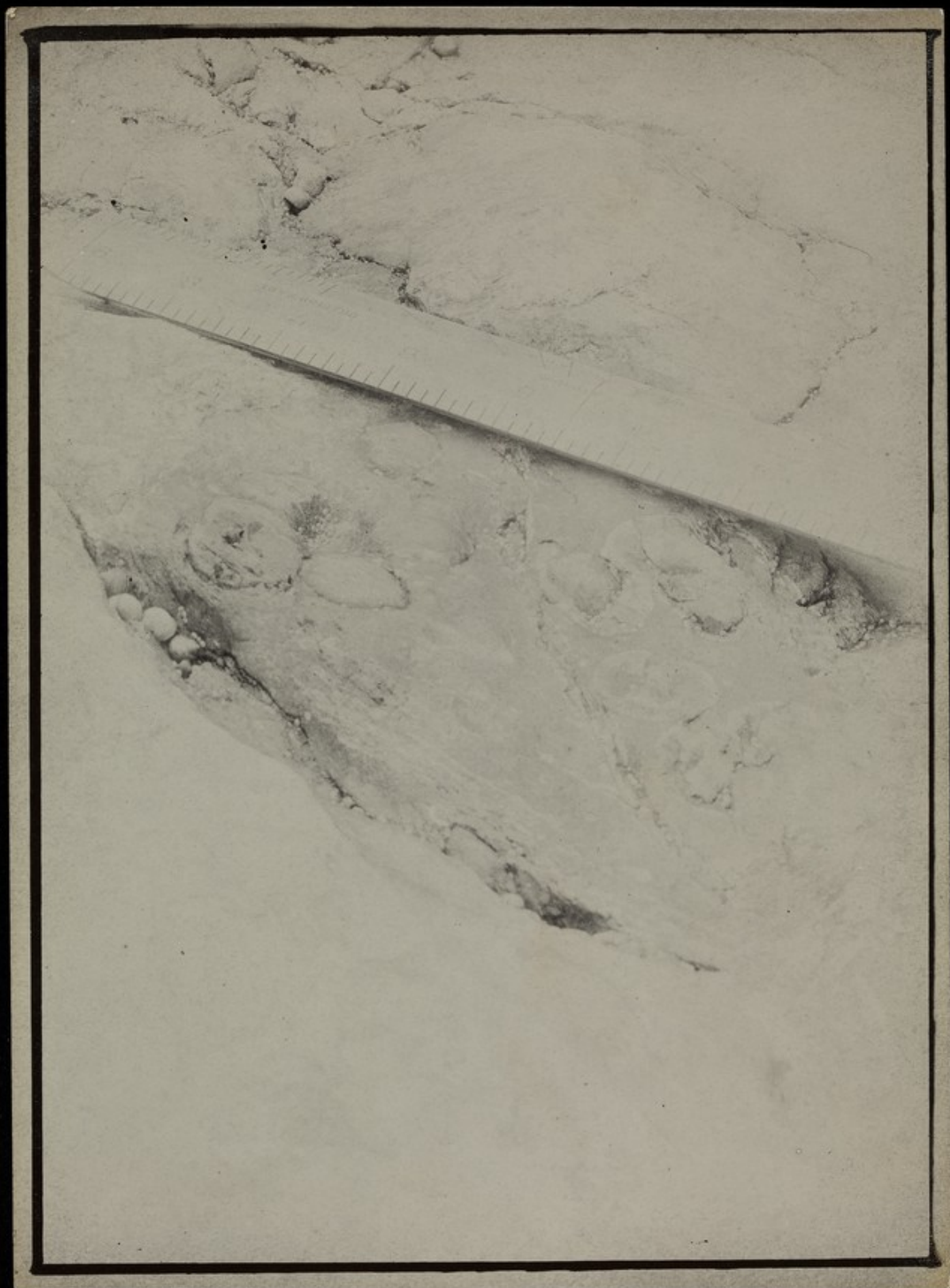
Conglomerate E of
Tête des Hongues







Andesitic agglomerate - Les Rouaux, Jersey.







Flow Rhyolite
Bouldy Bay



Tuesday 1.

Tuesday rewritten & sent to A.I.R.

We first ^{between Fort Regent and South Hill} drove ~~over the Mount Bingham~~ and had a glimpse of South the Raised beach, 40 m. above sea level, which lies on top of South Hill [1] Near the South Eastern corner of the Hill is a dyke of mica trap 3 m. thick. ~~was~~

We next went to ^{Le Pointe du} Le Groc [2] where we passing along a sea wall with blocks showing the invasion of diorite by granite.

At Le Groc is a complicated series of igneous intrusions. The oldest rock is diorite. This is invaded by a few small irregular granite veins and the plutonic ~~complex~~ mixture is cut by a highly composite dyke. The first member is a moderately coarse dolerite now split into two dykes each 260 cm thick, separated by the next intrusion and largest intrusion, a porphyry dyke 3 m 50 wide, bright pink with large phenocrysts. Both these are cut ~~obliquely~~ ^{orthogonally} by a fine-grained dolerite about 60 cm thick, in the middle of which is the last member, a ^{thin} porphyry showing flow

Tuesday 2

banding and crowded with dolerite debris. At this one point, therefore, there are found six of the nine or more ^{chronologically} well defined intrusive rocks of the south-east of Jersey.

We then walked from La Pointe du Broc to La Pointe du Reif [3] where the diorite contains bands of coarse diorite pegmatite consisting of large ~~crystals~~ ^{idiomorphic} hornblende crystals and large plagioclase feldspars. Macroscopic sphene is also present. A small granite pegmatite vein contains allanite crystals. South of the high rocks of the point runs another porphyry dyke. ~~to~~

Emerging from the recent formations which cap the point is a large isolated rock composed of diorite and porphyry, known as ~~Rock~~ Rockberg [4] It appears to be one of the very rare isolated rocks left by the very thorough planation brought

Tuesday 3

(above mean sea level)

about by the sea of the 8 m. raised beach.
~~the~~ As we skirted the south east coast we observed the very extensive rock-fields forming a plane of marine ~~as~~ erosion.

South of Gorey Harbour ^[5] the Phylades de St. Lo were observed, penetrated by intrusion of ~~the~~ red granite of Mont Orgueil.

~~South-east of Mont Orgueil are two acid veins~~

In the same granite south-east of Mont Orgueil ^[6] are two acid veins resembling banded rhyolite but definitely intrusive and more coarsely banded than the volcanic rhyolites which, as we saw later, similar dykes invade.

At Petit Portlet ^[7] north of the Mont is a large weathered dyke of ~~more~~ coarse ^{mica gran.} ~~more~~ in the granite. It splits southward into two branches each about 60 cm thick.

~~The~~ The junction between the granite

~~Andesite~~ ^{presence} Tuesday 4

and the porphyritic rhyolite runs ~~out~~
~~to the~~ eastward but to sea ~~for~~ through
this bay but is hidden by shingle.

~~The~~ The porphyritic rhyolite here is dark
in colour and full of shale^t and
occasional andesite xenoliths. A thin
~~thin~~ vein of barites is present.

We followed the coast on foot from
here ^{to the south side of} Anne Port ^[8] over similar
rhyolite, containing, near Anne Port,
large andesite inclusions.

Numerous porphyry dykes cut the
rhyolite. Many of these are bordered by
older dolerite intrusions. One such
cuts through Grosse Morie and is conspicuous
^{from a distance} by its weathering and by its grey margins
and red centre.

On the south side of Anne Port ~~is~~
is a broad porphyry dyke the margins
of which are identical with the banded
acid intrusions of Mont Orgueil; ~~from~~
~~North~~ The last dyke ^{seen here} ~~of this series~~ is a

Tuesday 5

dolerite about 10 m thick. All these dykes run about ~~30° N of E~~ NE.

North of Anne Port ⁽⁹⁾ is the best exposure of the superposition of the non-porphyrific Rhyolite on the Porphyritic.

All the flows dip steeply to the north. The northern arm of the Bay is formed of porphyritic rhyolite containing huge lenses of agglomerate largely composed of flow banded ~~porphyritic~~ non porphyritic rhyolite, showing that eruptions of the latter had already begun.

This is ~~made~~ followed by an alternation of coarse volcanic agglomerates with thin sheets of non-porphyritic rhyolite lava, to a total thickness of 40 m. These basement beds are succeeded by a spectacular flow of columnar non-porphyritic rhyolite, 120 m thick. ~~The~~ Flow banding, nearly perpendicular to the direction of the columns, is clearly seen.

Tuesday 7.

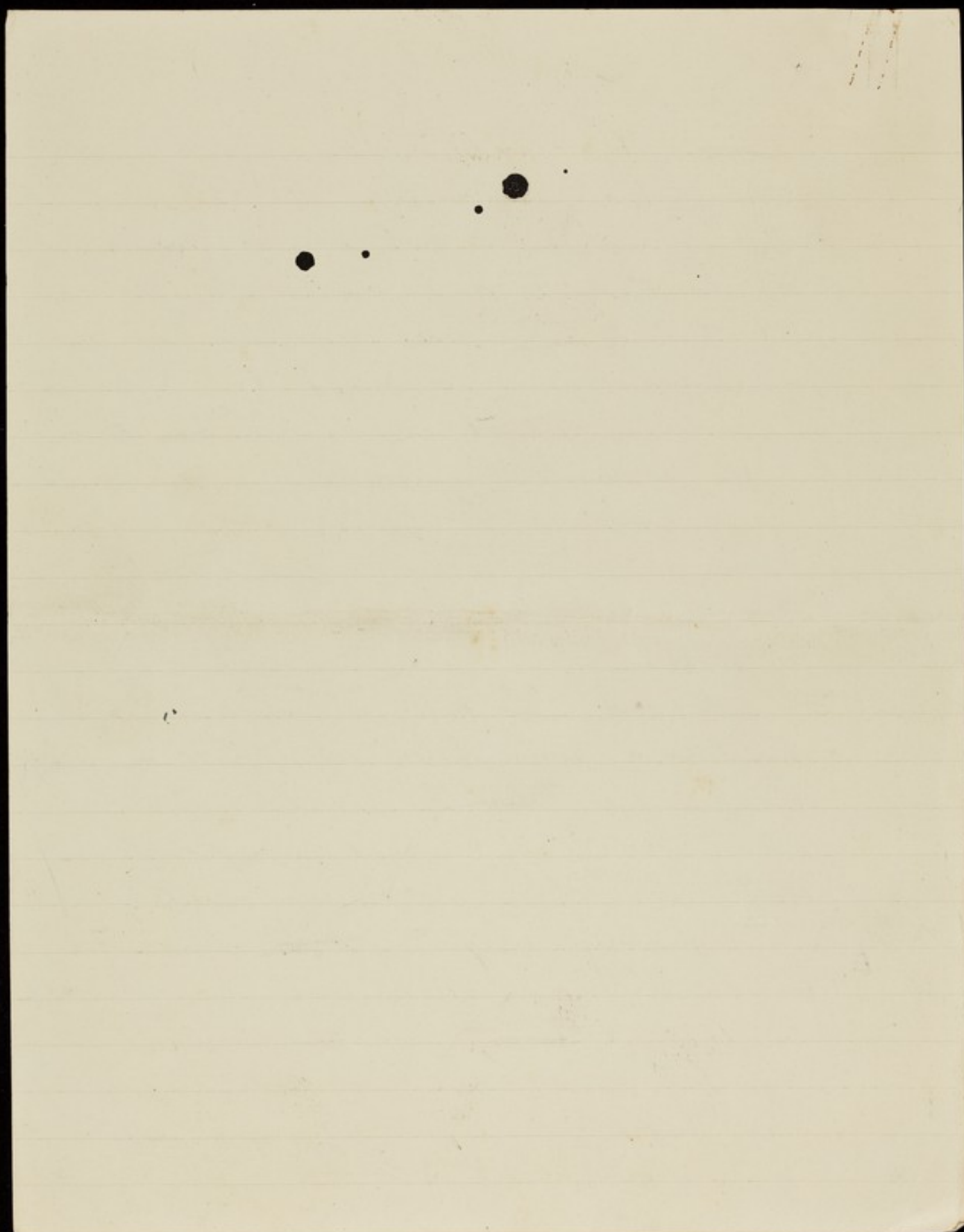
^{Loess}
~~limon~~. The junction was sharp and truncated the bands. In the pit the junction is not sharp. Some of the fragments of andesite at the base of the ^{Loess}~~limon~~ are slightly rounded and, according to Sirel () pebbles have been found in the ^{Loess}~~limon~~ here.

The andesite, especially in the south-west corner of the pit, shows elongated vesicles ~~and~~ clearly marking out the direction of flow, with a dip of 60° to the NW.

A hard ~~sub~~ rather silicious andesite, ~~occupies~~ unsuitable for brick making, occupies the ~~south~~ north-western part of the pit and is separated from the softer rock by faults.

^{Aggregation in boulders} Formerly only the ^{Loess}~~limon~~ was used for hand-made bricks but now andesite head and ^{Loess}~~limon~~ are ~~now~~ crushed together and used to make bricks by machinery.

Tuesday About 900 words



Proposed drawings

Plans

La Saline ✓

Mont Orqueil ✓

Le Brac Pt ✓

Les Rouaux & Giffard ✓

Drawings fr. photos

Le Brac ✓

Blanche Pierre Q ✓

Base of cong., Tête des Houques ✓

Coarse cong. " " ✓

R. Boulder, Bouley Bay

R.B. shelf, Les Rouaux ✓

Month day

Money

La Salina

Sketch map of La Salina

Monday Grande Santa Lamy

~~Tell also H. Simpson Tectonics - by fault~~

Gatherings of conglomerate

Concurrence surface

Tectonics of big fault

All of Tectonics H. Simpson sketch younger

Dryden at
of H. Simpson

Woodmont

Sunday ? Map of Le Pales
Grève au Langon

Monday Porph Flow Andesite
Zungen
Dyke at Fliegret

Tuesday 6 generations
Rhyolite Anne Port

Wednesday Gossé Vireg
~~Map of La Sclère~~

Thursday Pyramides Coffes
Bont Stale
~~Map of Gifford~~
~~(Combined with map)~~



Route map

Sunday } On
+
Monday }

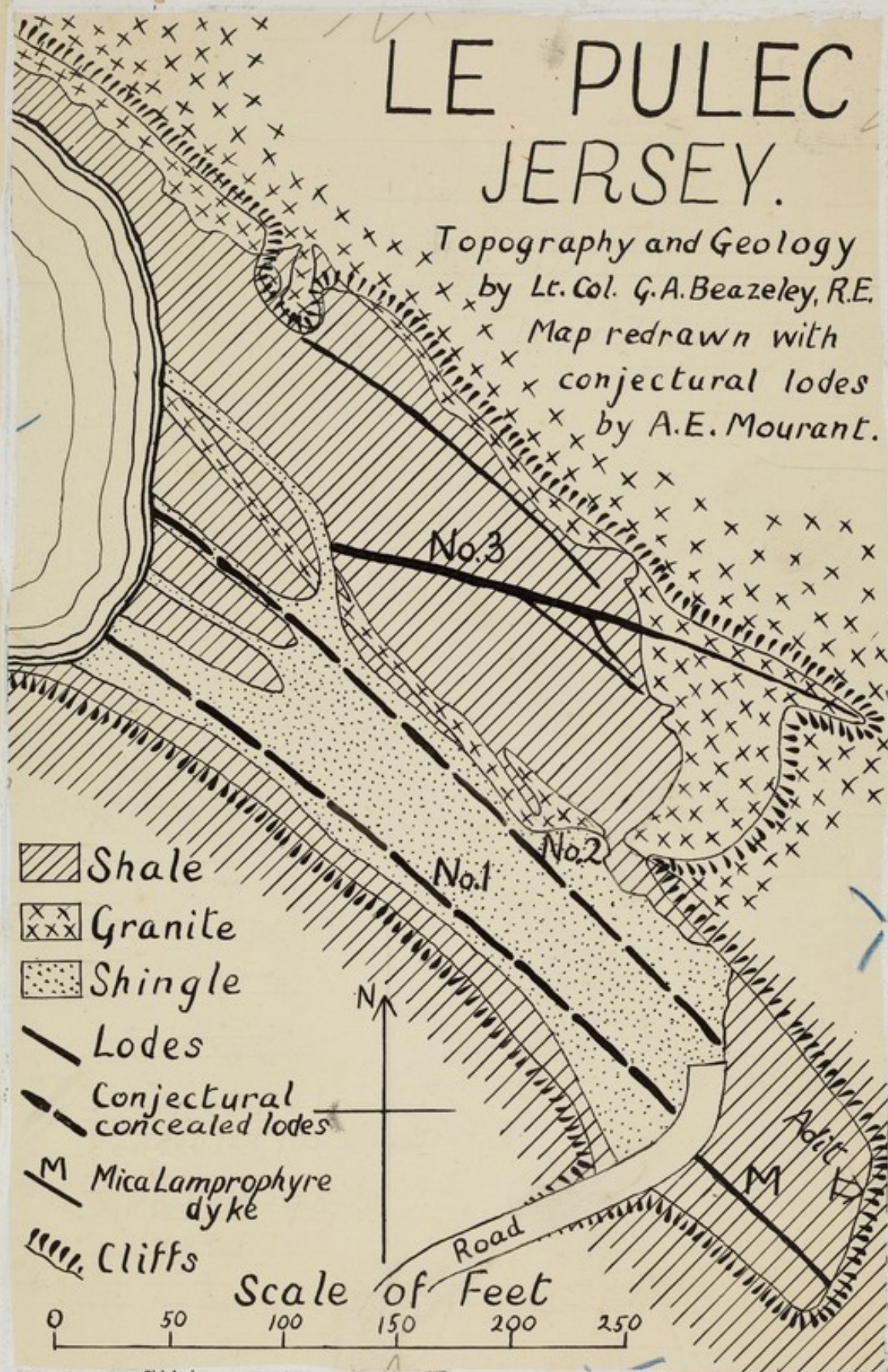
Monday } On
Tuesday }

Wed: - Mouth of La Saline, west S. Pt. to La S.

Thursday Les Hurons — Giffard Bay

LE PULEC JERSEY.

Topography and Geology
by Lt. Col. G.A. Beazeley, R.E.
Map redrawn with
conjectural lodes
by A.E. Mourant.



OMIT BORDER

see over

← out to out
cut surround. →

S/S that
come out border

Fig 23
"Minerals and Mining in the
Channel Islands"
by J. P. Warren & A. E. Moutant
Trans. Soc. Geol. Soc. 1934

From A. E. Moutant,
Karl Theodor Strasse 25,
München
Germany