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**The range of caching behaviour among the
past hunter-gatherers of Europe**



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**Example of a burial cache:
Flint blades, backed
knives, cores**

**Riparo Villabruna, Italian
Alps,
Epigravettian, 14ka BP**

Planning depth and the caching behaviour

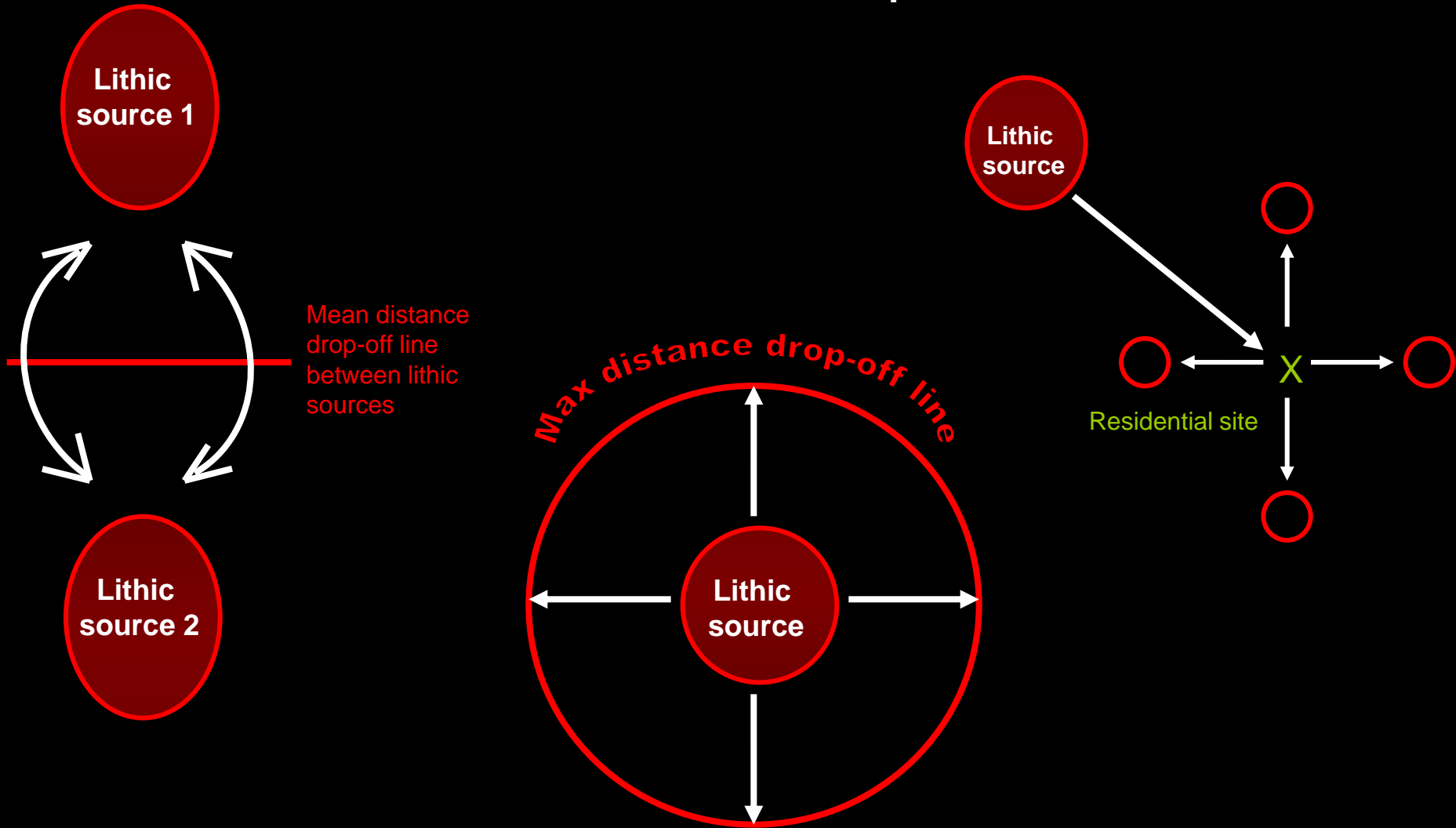
- **Planning depth**: a variable length of time between the moment that anticipated needs are perceived and the instant that actions are taken to meet those needs (also includes: the degree of investment in anticipatory behaviors and the proportion of these behaviors within the total behavioral repertoire of a group).
- **Tactical depth**: the capacity to meet anticipated needs based upon stored knowledge about the environmental, mechanical and locational opportunities of the region.

Economically-based factors influencing caching decisions:

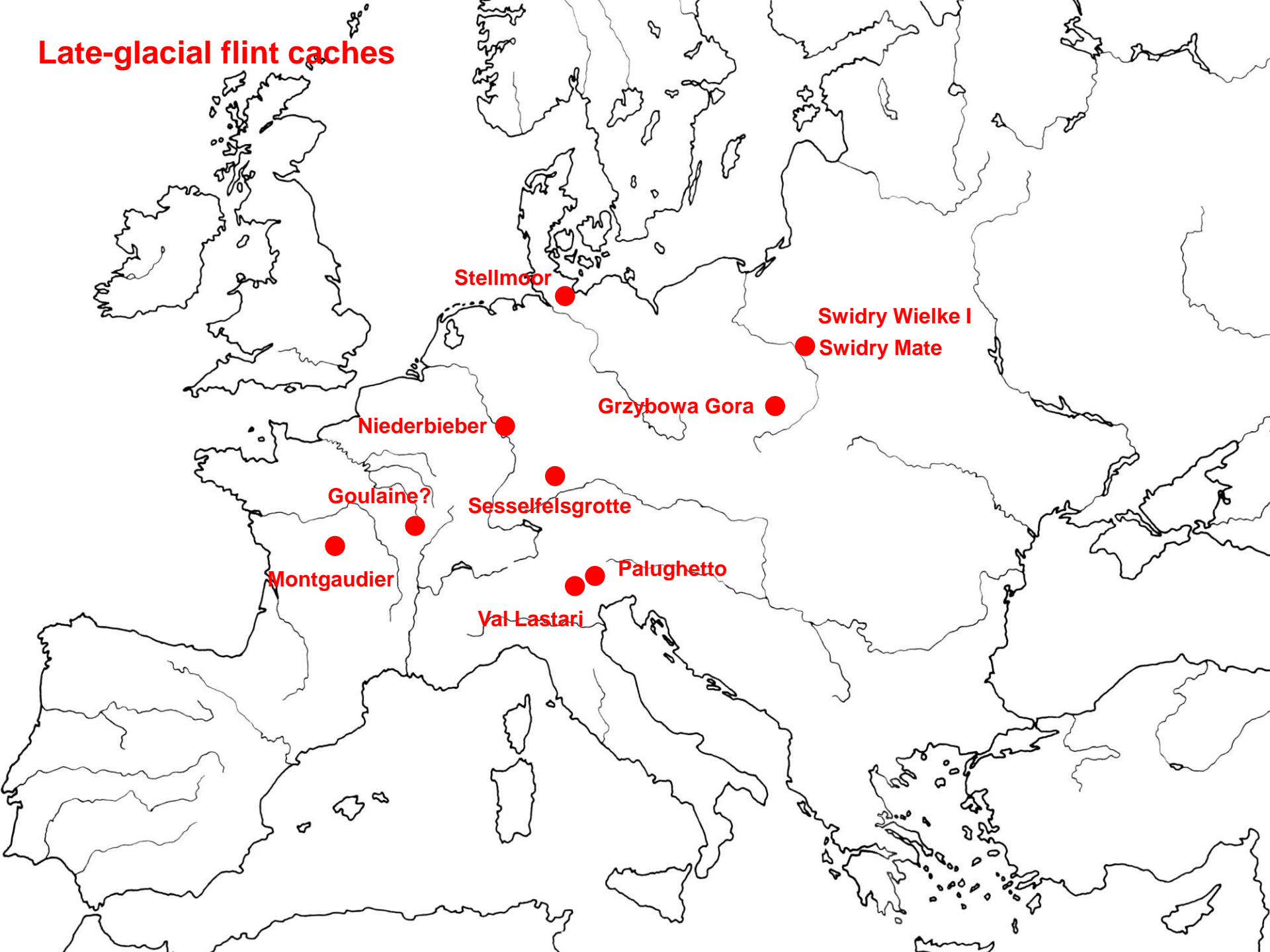
- mobility/site abandonment
- anticipated return
- distance to the next campsite
- anticipated activities
- resource bulk
- time and labor investment
- implement use-life



Lithic resource transport



Late-glacial flint caches



Stellmoor

Swidry Wielke I

Swidry Mate

Grzybowa Gora

Niederbieber

Goulaïne?

Sesselfelsgrotte

Montgaudier

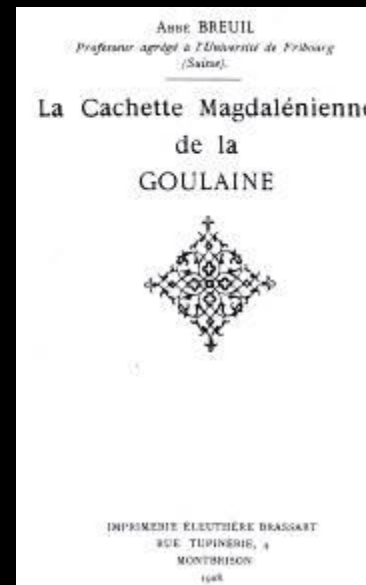
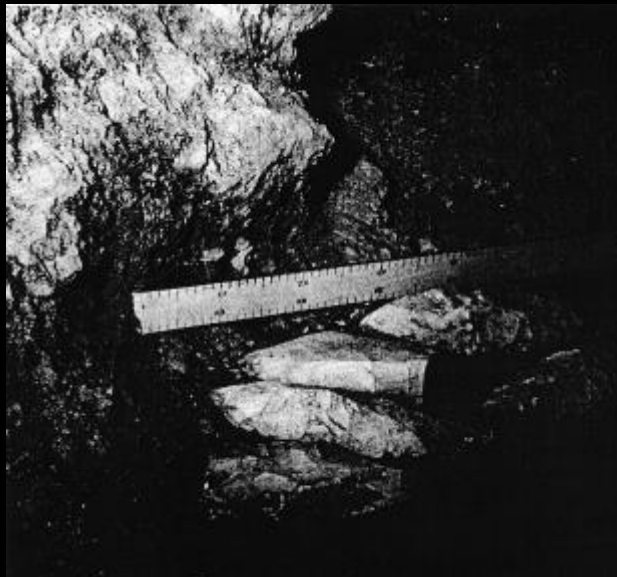
Palughetto

Val Lastari

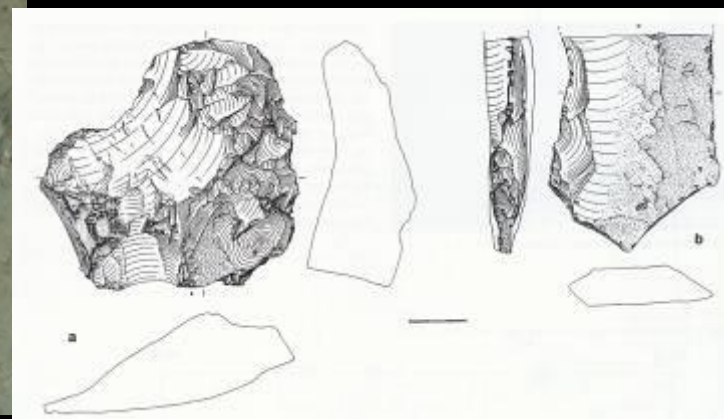
Inventory of European Late Upper Paleolithic caches

Site	Country	Culture	Cached items	Raw Material Provenance
Gr.Montgaudier	France	Magdalenian	5 pf	Local/exotic
Goulaine	France	Magdalenian	400pf, c, bl, to	Exotic
Sesselfelsgrötte	Germany	Magdalenian	36 pf	Local
Niederbieber	Germany	Federmesser	2 fl	Exotic - 40km
Swidry Wielke I	Poland	Swiderian	41 rb, tb, pf, fl	Exotic - 150km
Swidry Mate	Poland	Swiderian	20 pf, c, bl	Exotic - 150km
Grzybowa Góra	Poland	Tarnovian	40 pf, c	Semi-Local
“	“	“	20 pf, c	Semi-Local
“	“	“	35 pf, c	Semi-Local
“	“	“	3 pf	Semi-Local
Val Lastari	Italy	Late Epigravettian	60 rb, tb, pf, c	Local
Palughetto	Italy	Final Epigravettian	6 rb, tb	Exotic – 10-25km

rb-raw blocks; tb-tested blocks; pf-pre-forms; c-cores; fl-flakes; bl-blades; to-tools

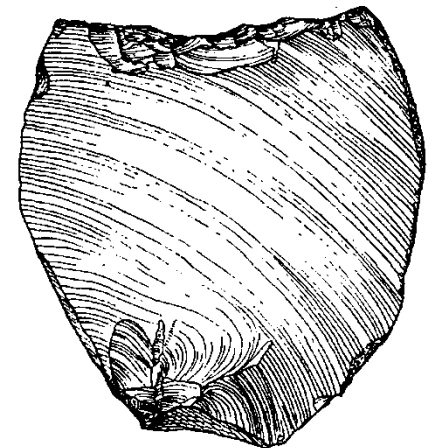
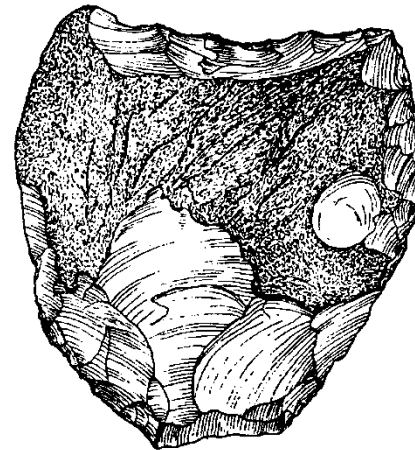
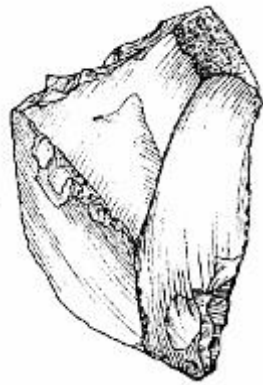
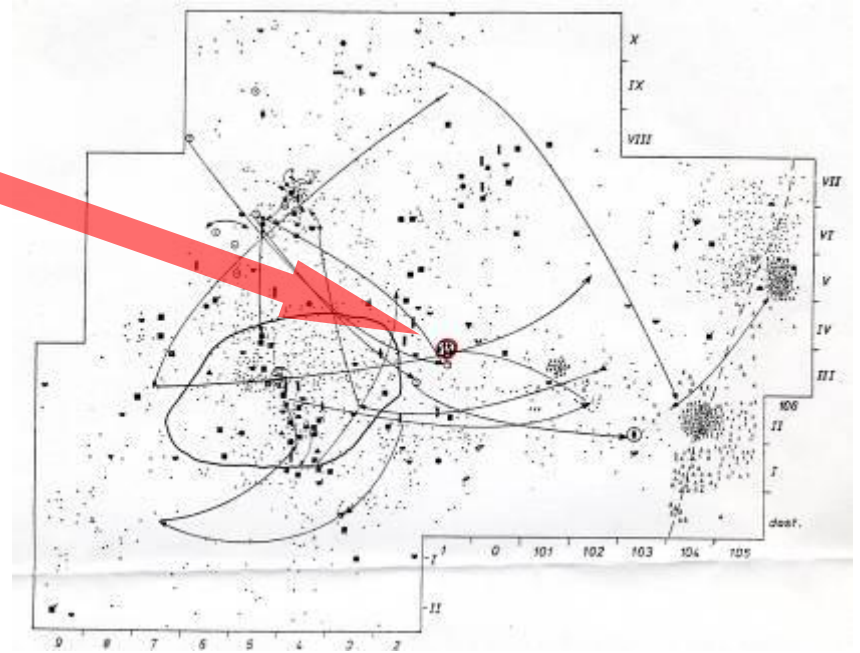
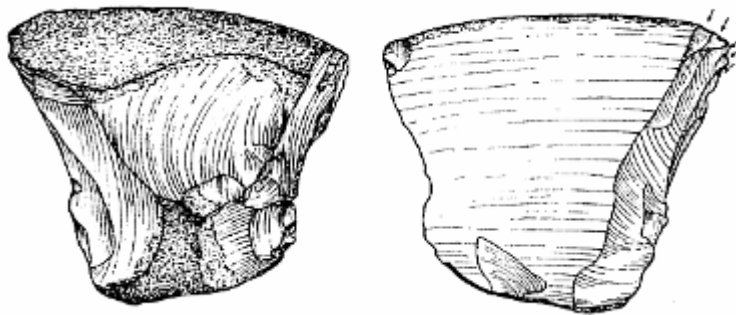


Chalcedony flakes - Niederbieber

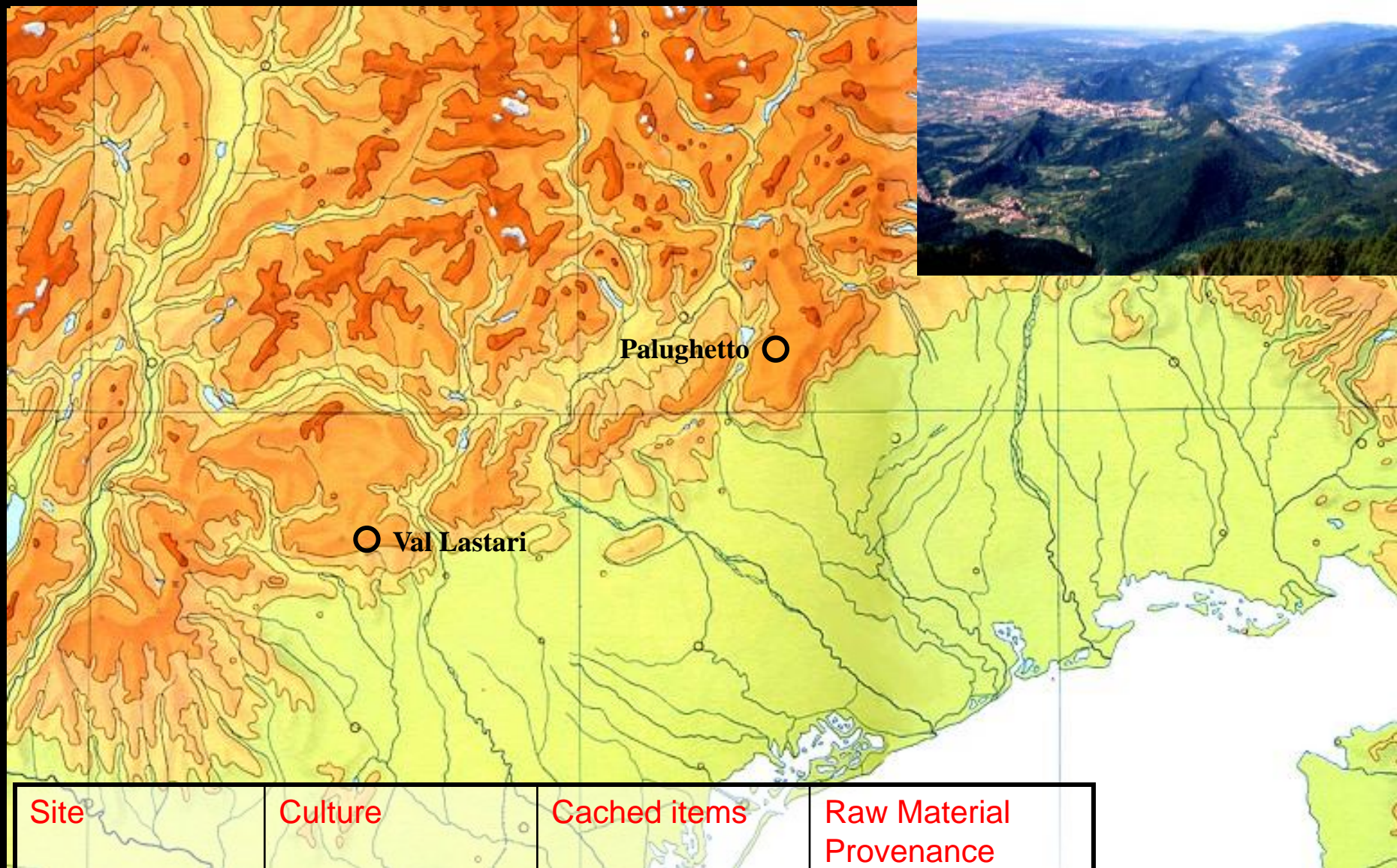


Swidry Wielke I

Cache



The eastern Italian Alps



Site	Culture	Cached items	Raw Material Provenance
Val Lastari	Late Epigra.	60 rb, tb, pf, c	Local
Palughetto	Final Epigr.	6 rb, tb	Exotic – 10-25km

rb-raw blocks; tb-tested blocks; pf-pre-forms; c-cores

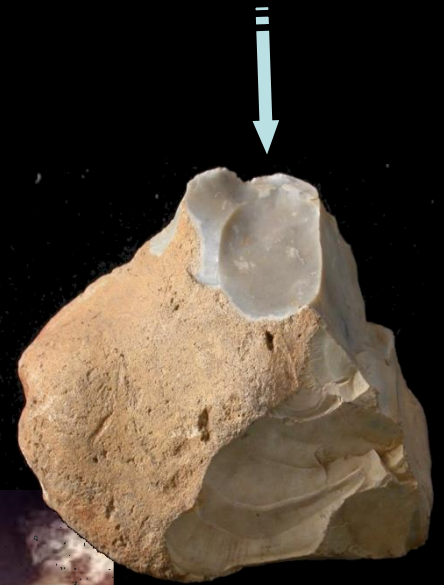
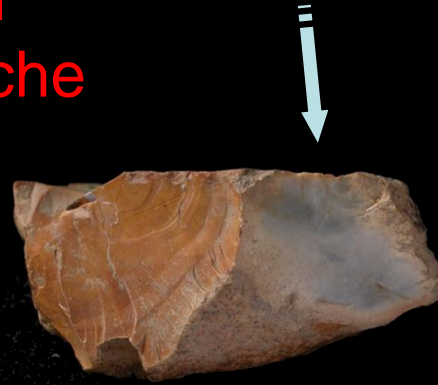
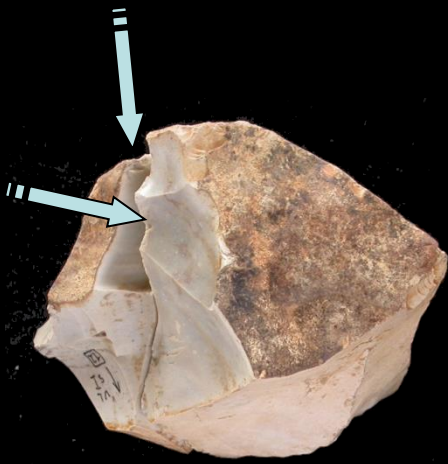
The Val Lastari
Epigravettian site



Flint workshops

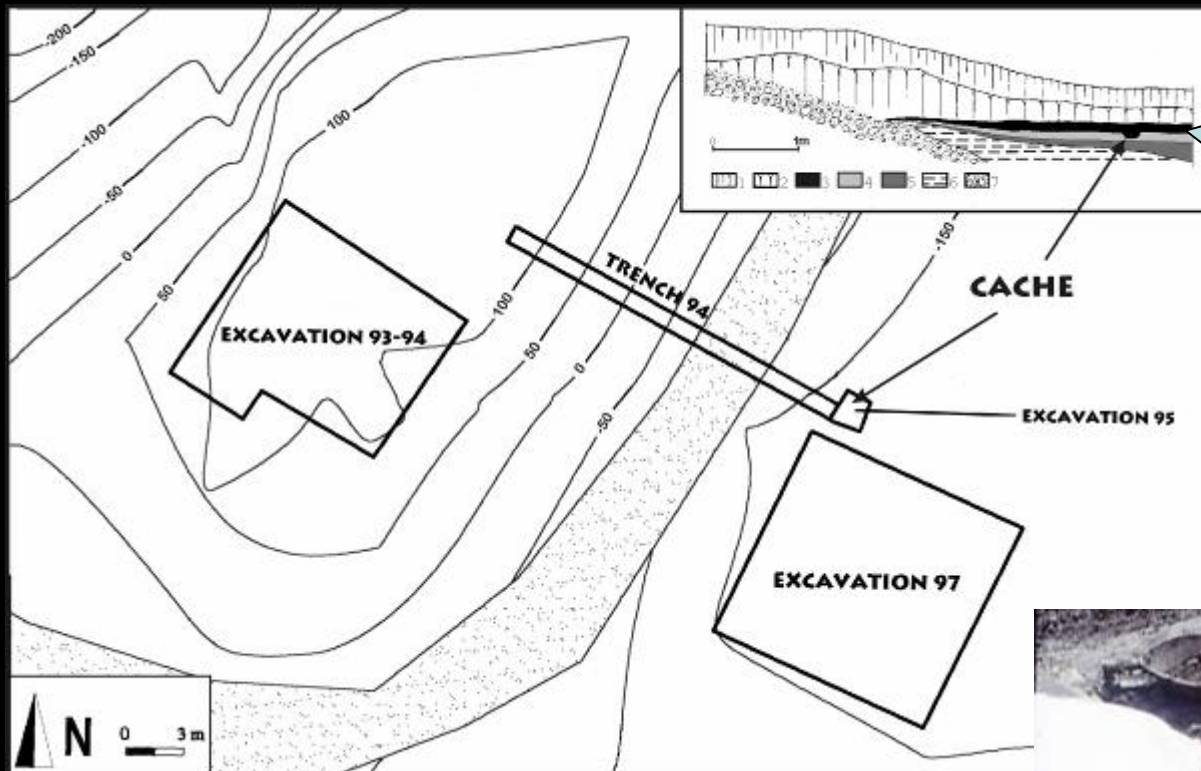


The Val Lastari cache



Refitting of two slabs tested after fragmentation of a single block





The Palughetto site
and the peat-bog

The Palughetto cache



Mesolithic Flint caches

Vale of Pickering

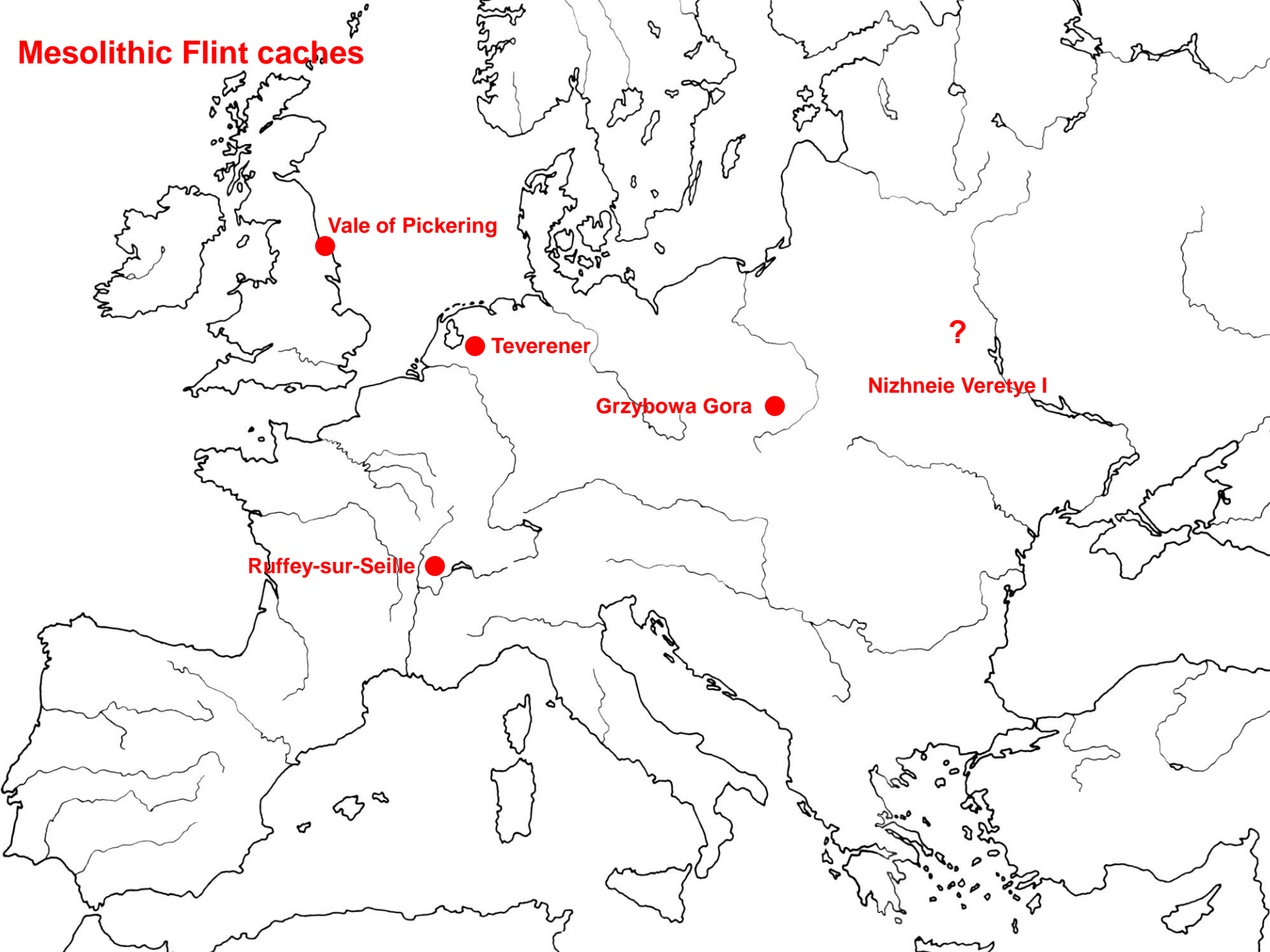
Teverener

Grzybowa Gora

Nizhnie Veretye I

Ruffey-sur-Seille

?

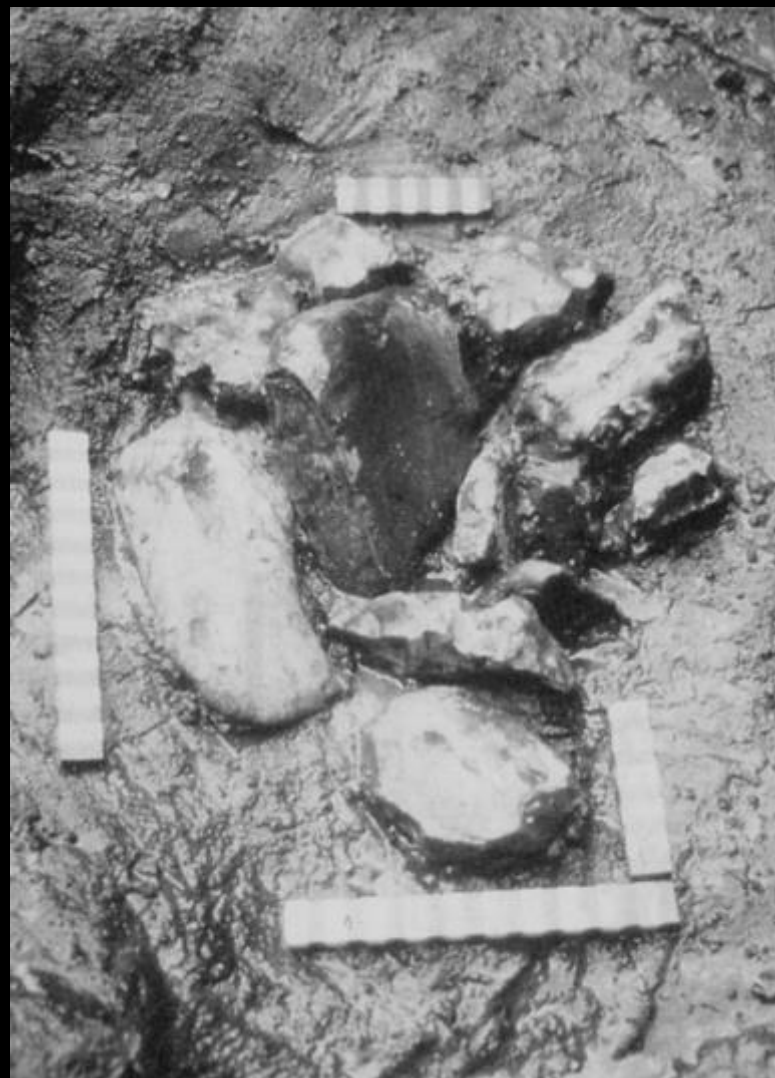
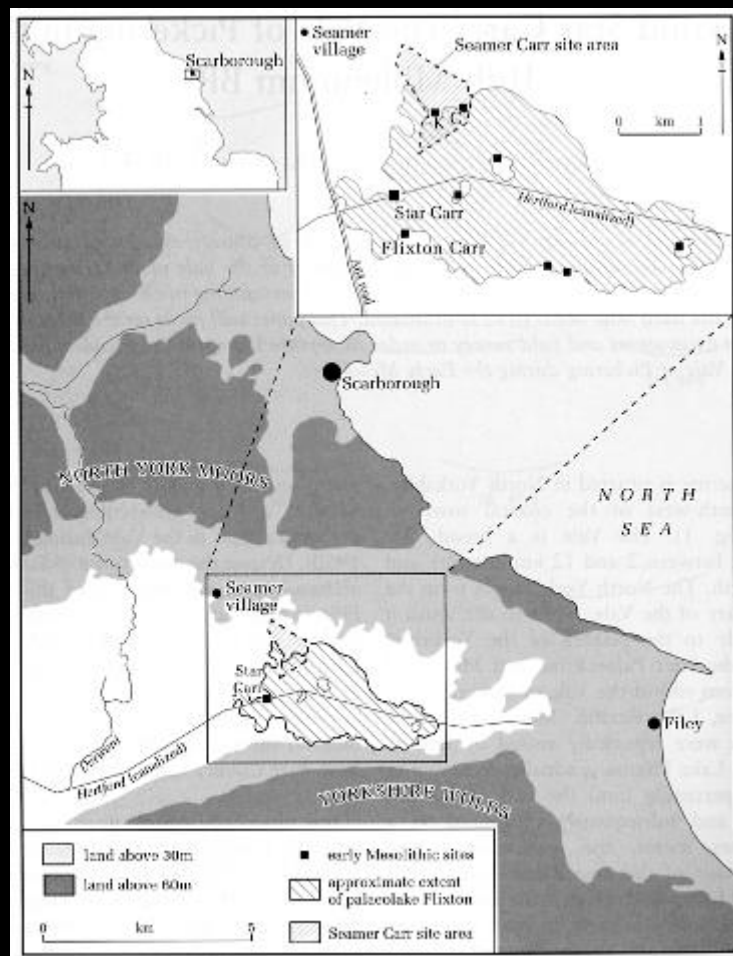


Inventory of the Mesolithic caches of Europe

Site	Country	Period	Cached items	R.M. Provenance
Vale of Pickering	England	Early Mesolithic	12 rb, tb	Local
“			9 rb, tb	Local
“			5 rb, tb	Local
Ruffey-sur-Seille	French	Early Mesolithic	22 tb	Exogenous (20km)
Grzybowa Gora	Poland	Late Mesolithic	8 pf, c	Semi-Local
“			5 pf, c	Semi-Local
“			11 pf, c, to	Semi-Local
“			4 pf, c	Semi-Local
Teverener	Germany	Late Mesolithic	bl	??
Nizhneie Veretye I	Russia	Early Mesolithic	29 pf	

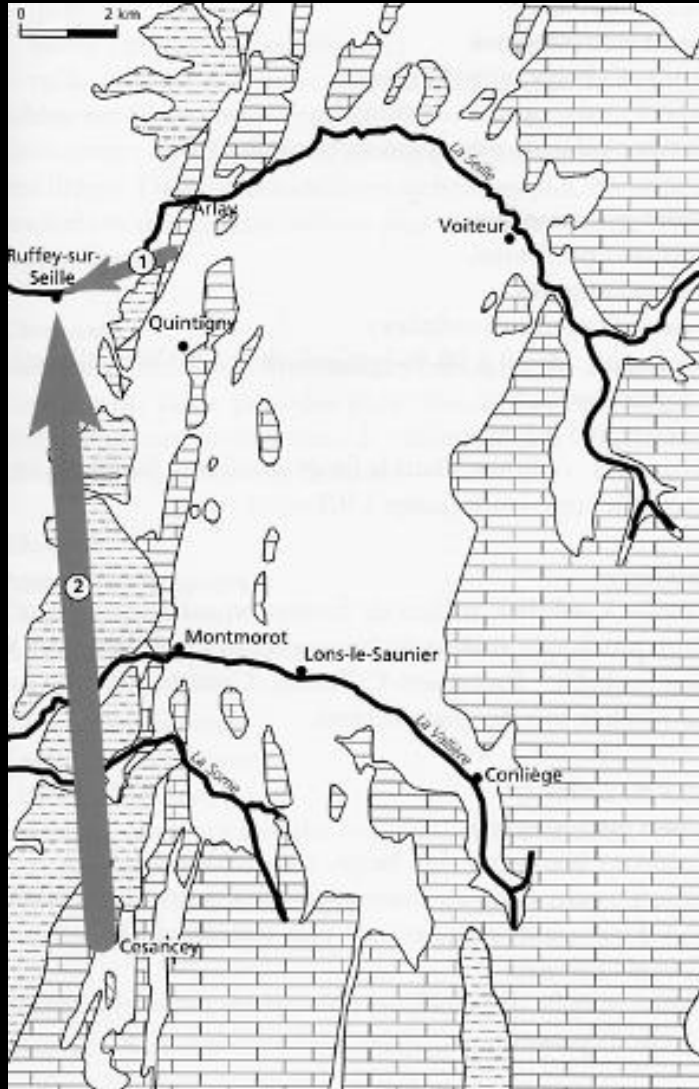
rb-raw blocks; tb-tested blocks; pf-pre-forms; c-cores; fl-flakes; bl-blades

The Vale of Pickering cache (Early Mesolithic)



The Ruffey-sur-Seille cache

(Early Mesolithic)



Grzybowa Gora, Poland

