

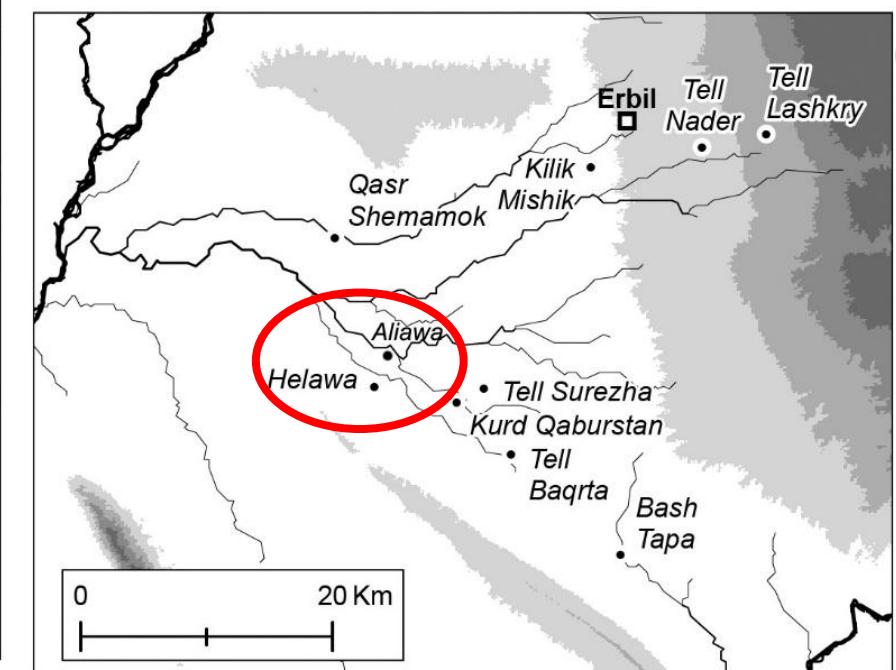
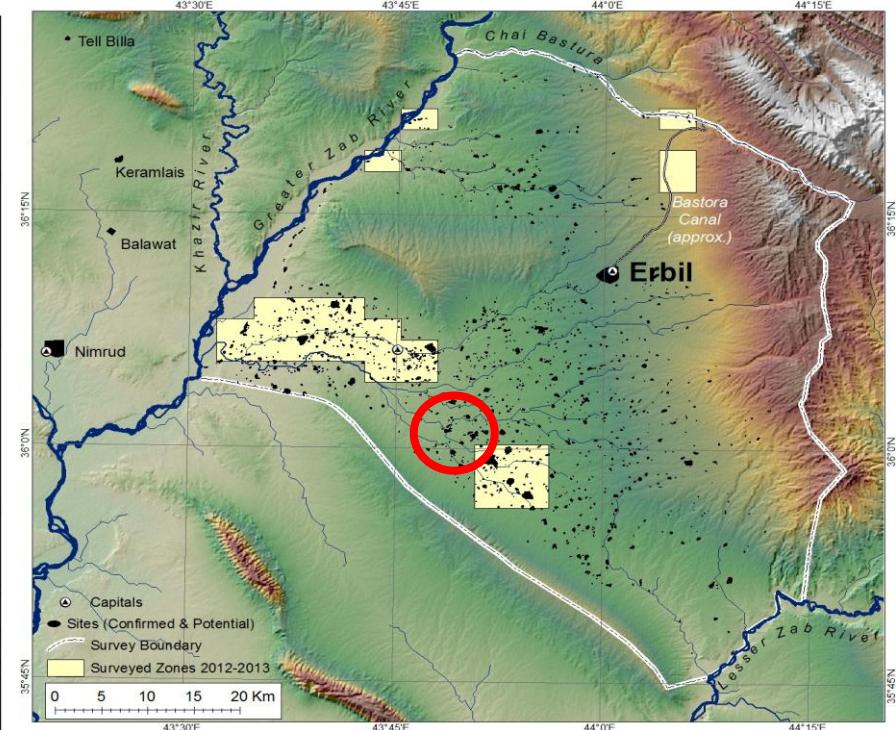
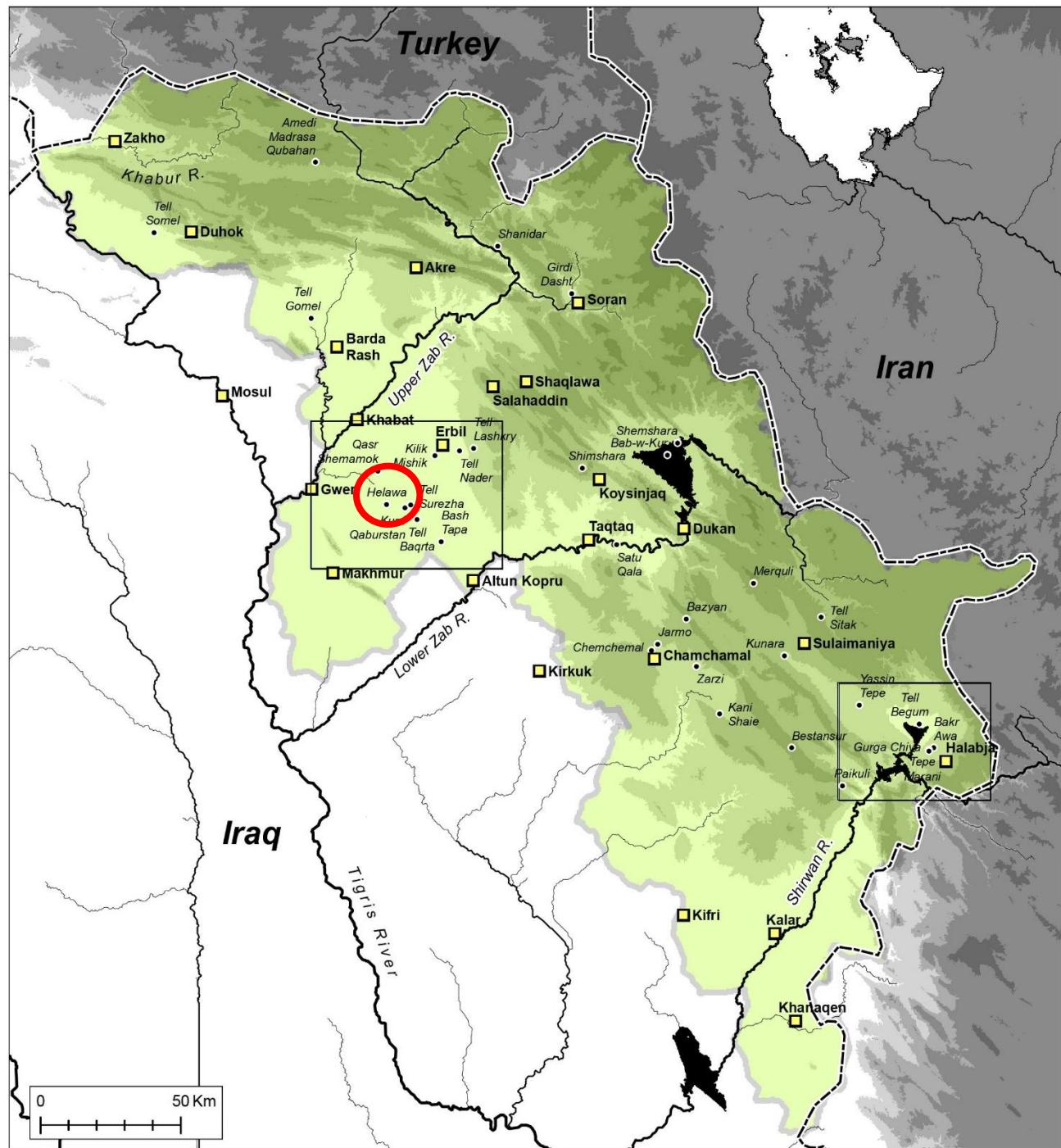


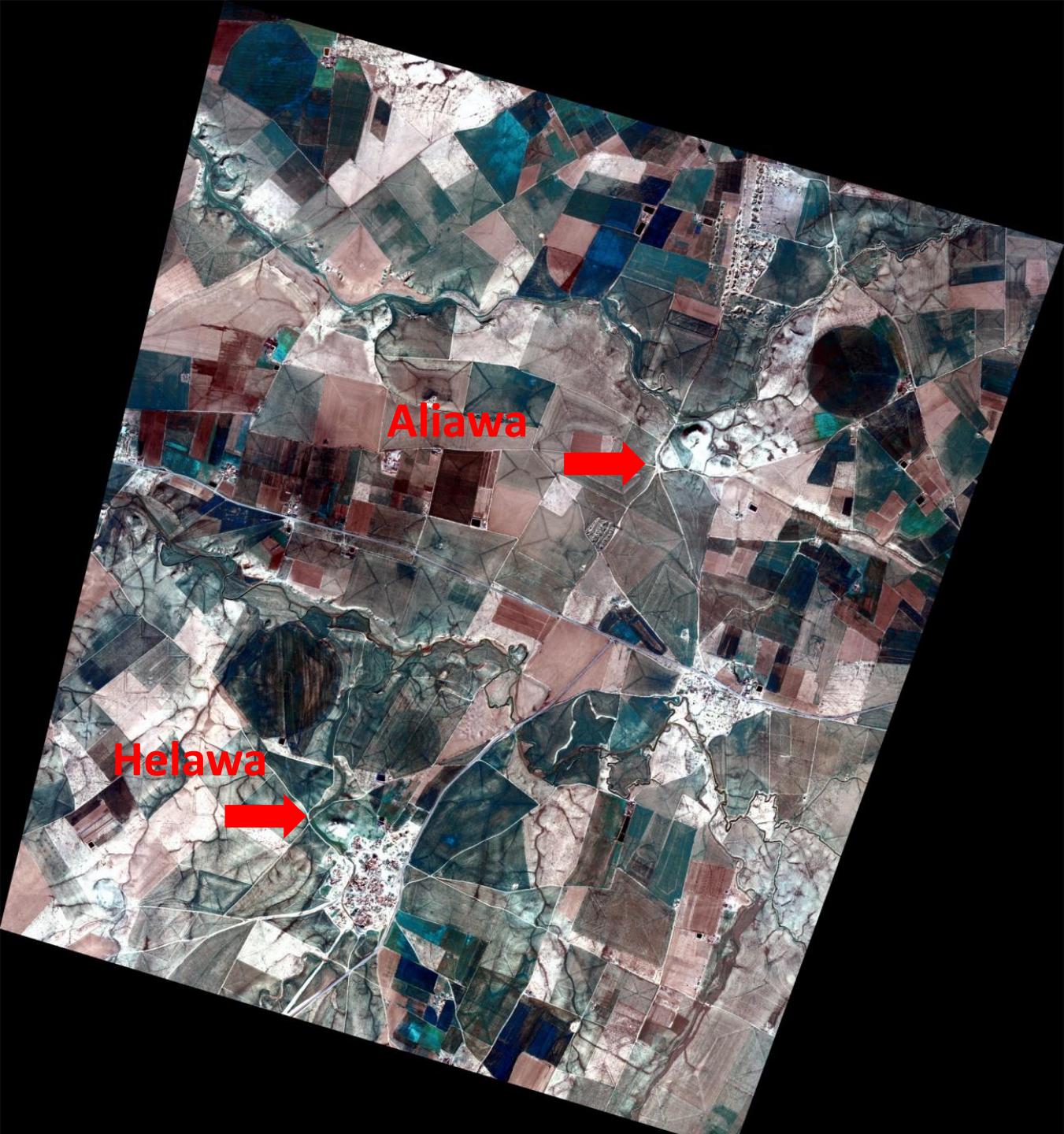
# RECENT RESULTS FROM ARCHAEOLOGICAL RESEARCH AT HELAWA, SOUTHWEST ERBIL PLAIN, IRAQI KURDISTAN

AGNESE VACCA - LUCA PEYRONEL - VALENTINA OSELINI

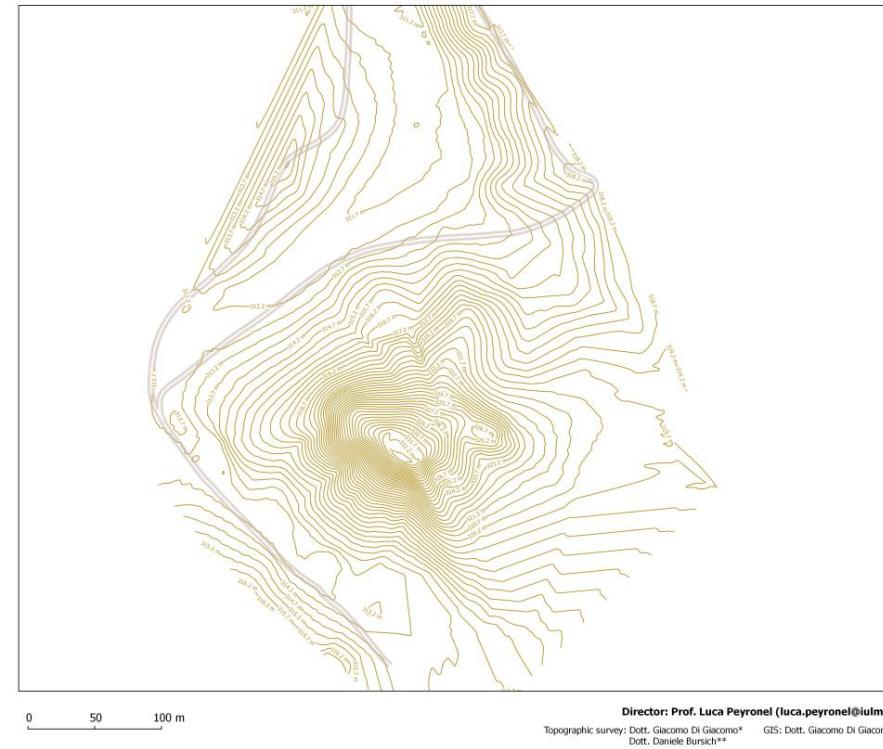
MAIPE\_IULM

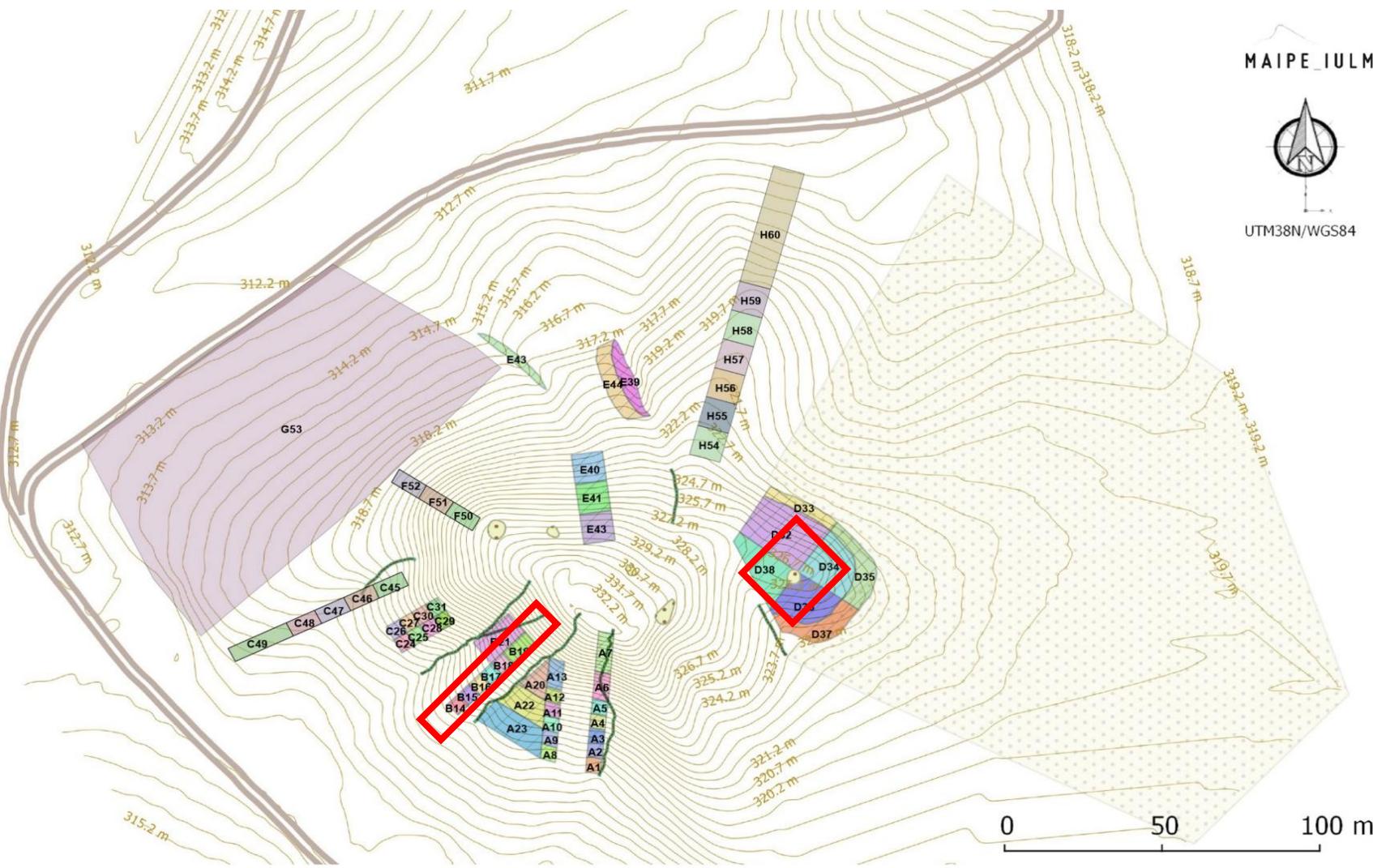
IULM  
Libera Università di Lingue e Comunicazione  
International University of Languages and Media





Helawa





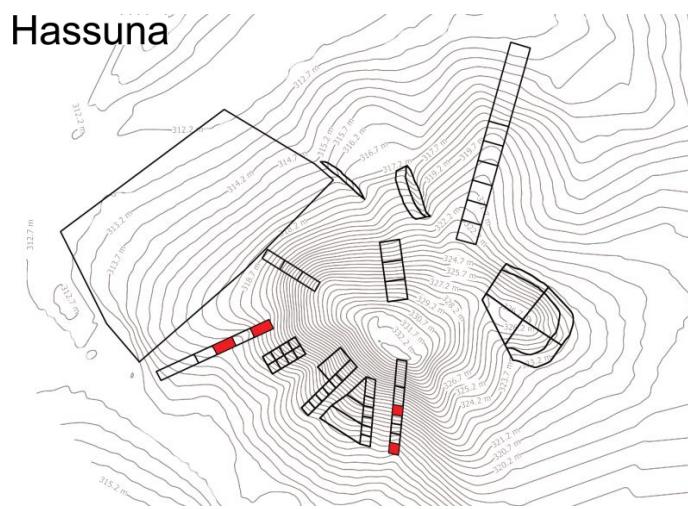
Systematic and Intensive Surface Collection

Excavations

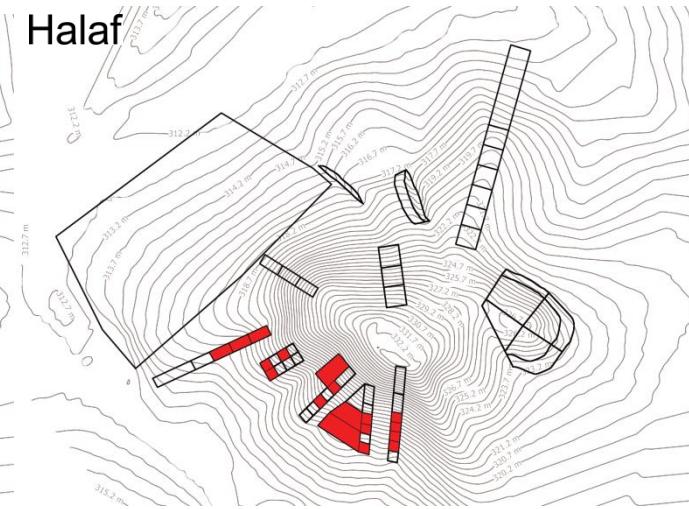
- ✓ 2013 and 2015:  
Intensive surface collection
  
  
- ✓ 2016-2017:  
Excavation in Areas B and D

## VII MILLENNIUM BC

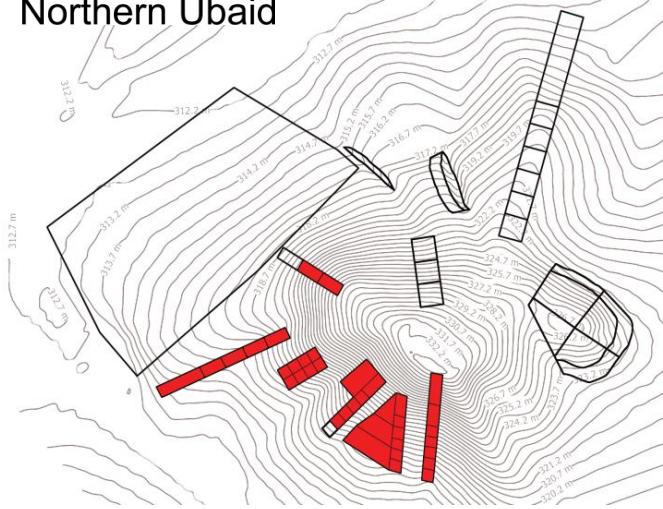
Hassuna



Halaf

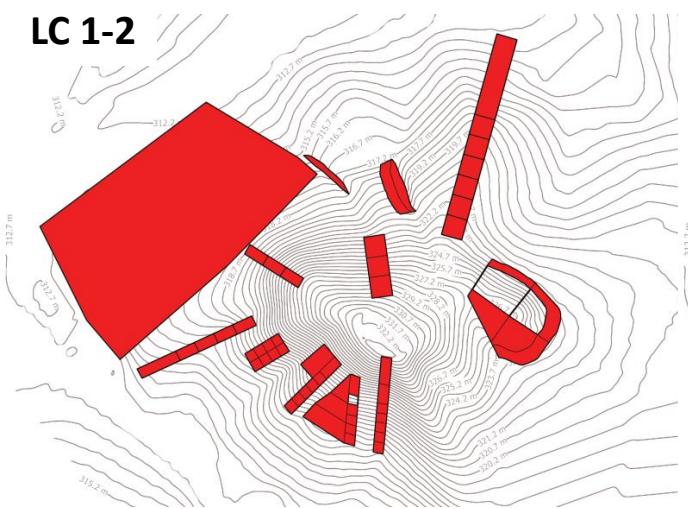


Northern Ubaid

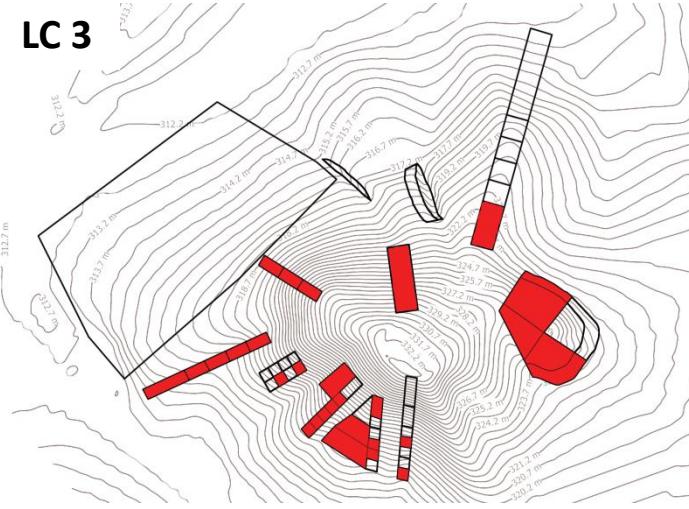


## IV MILLENNIUM BC

LC 1-2

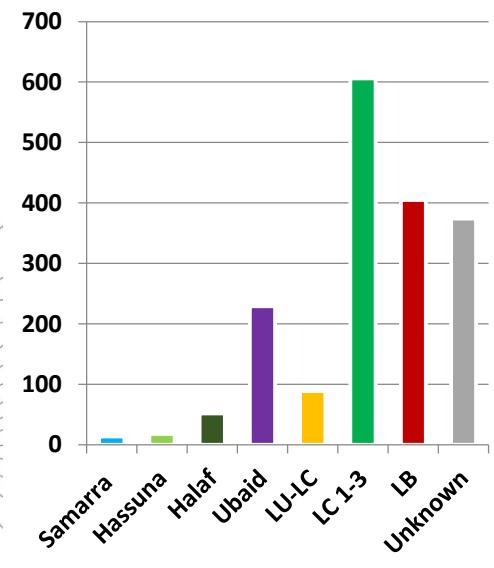
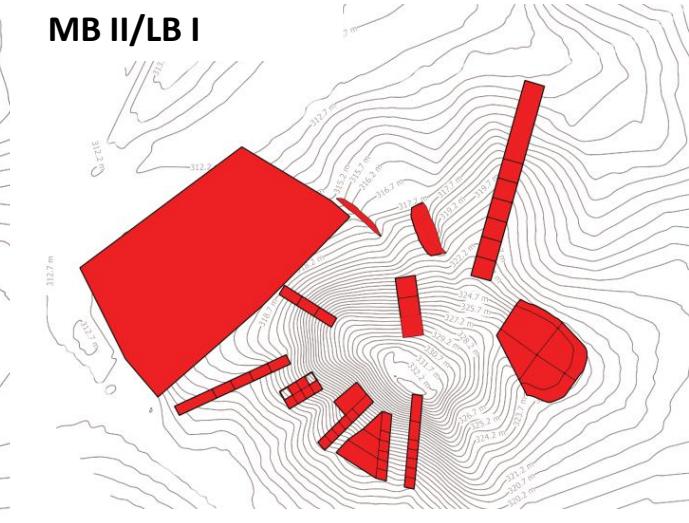


LC 3

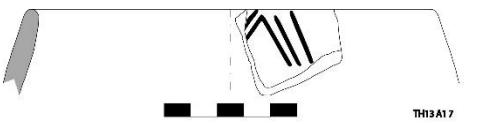
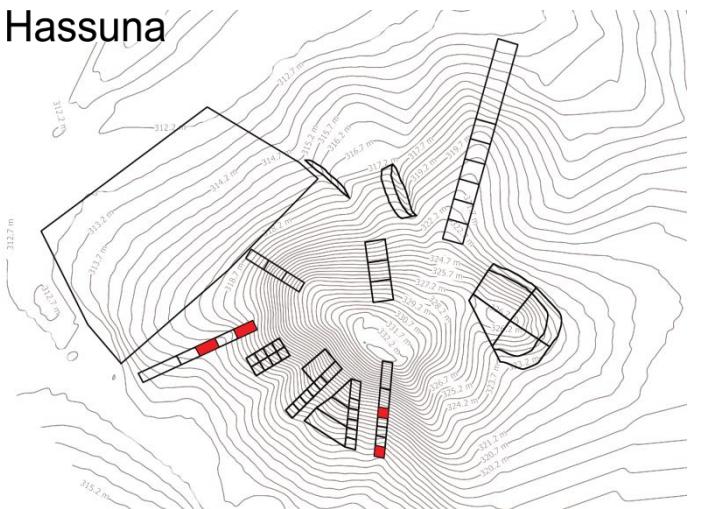


## II MILLENNIUM BC

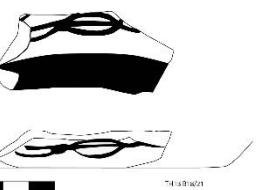
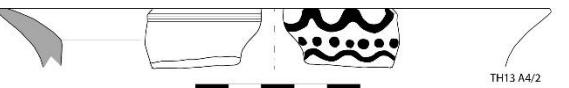
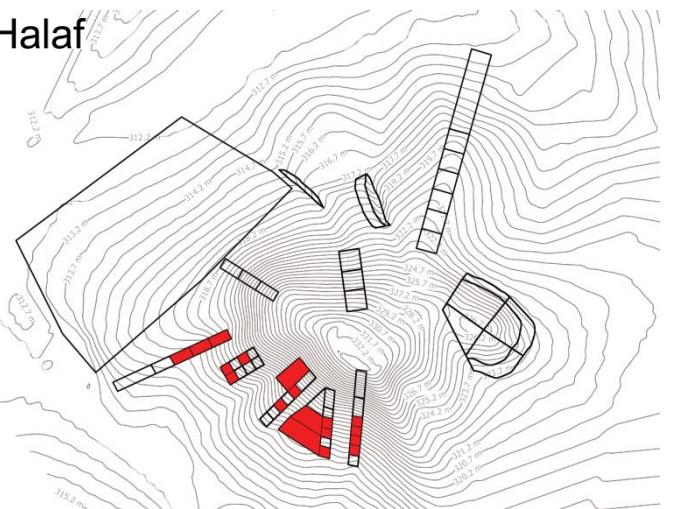
MB II/LB I



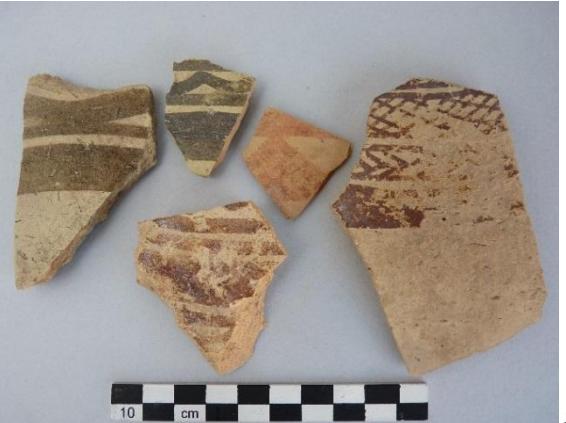
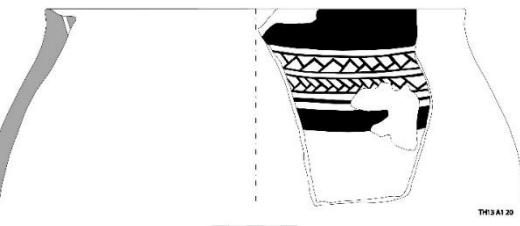
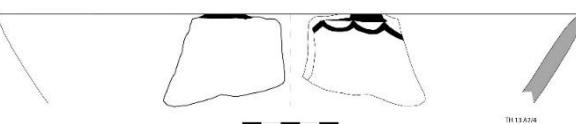
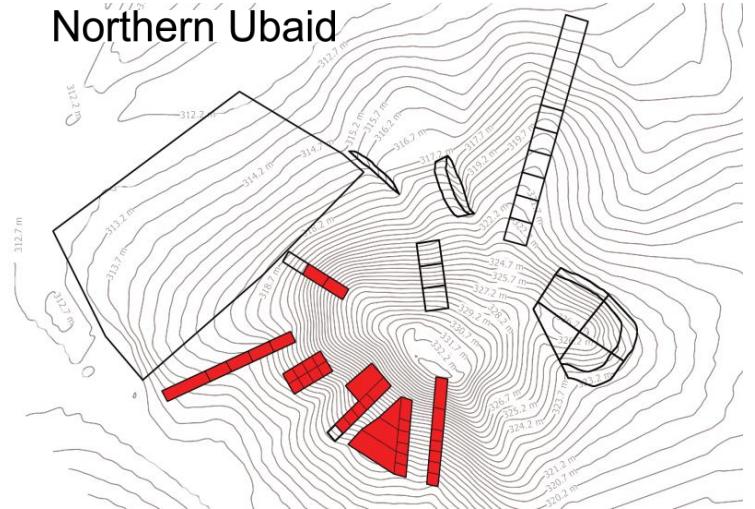
## Hassuna



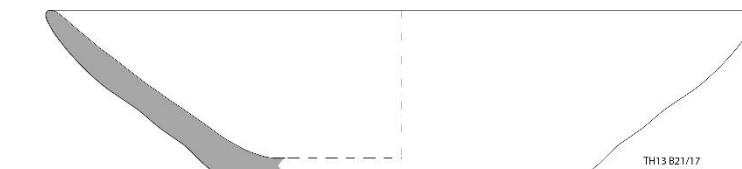
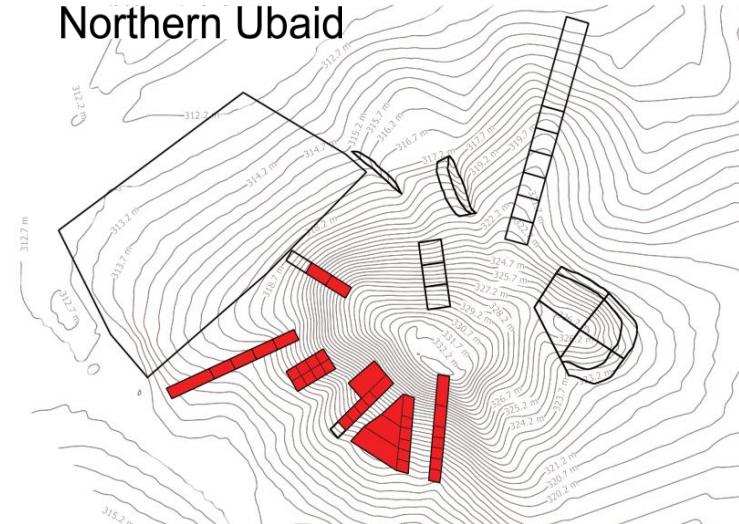
## Halaf



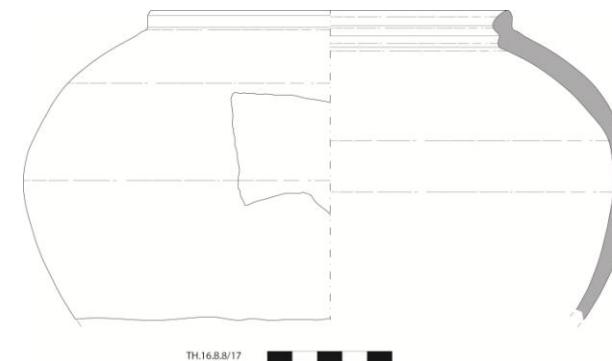
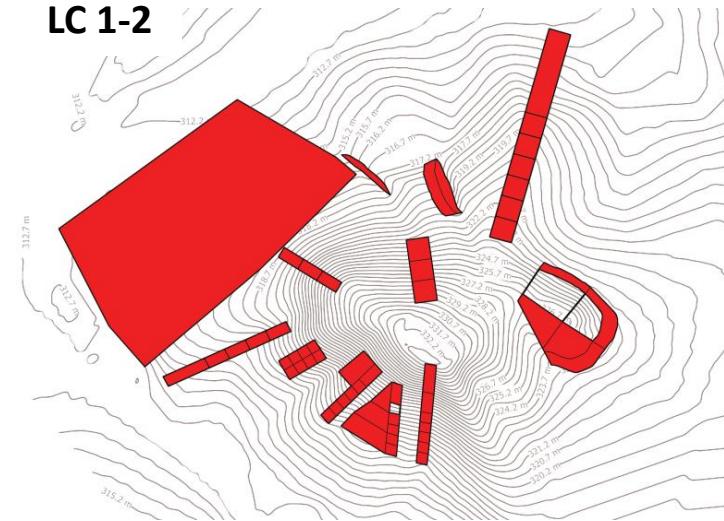
## Northern Ubaid



## Northern Ubaid

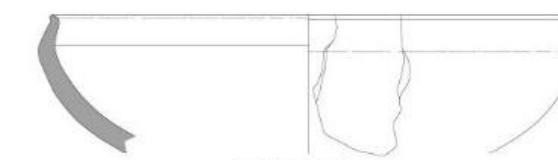
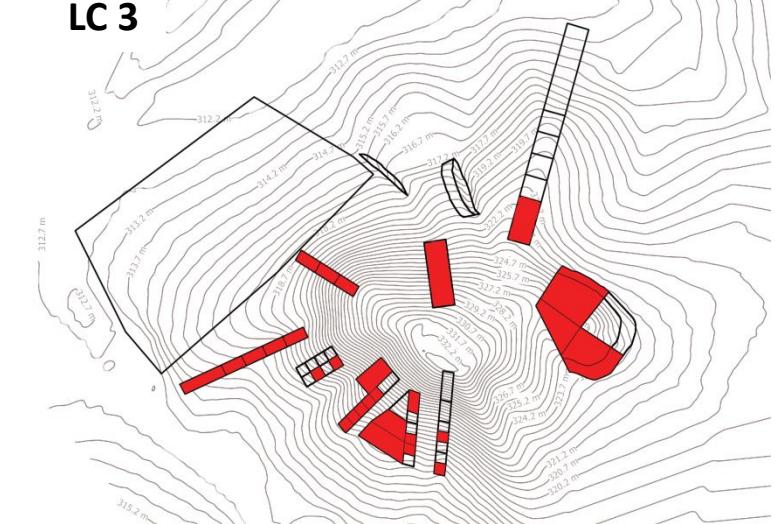


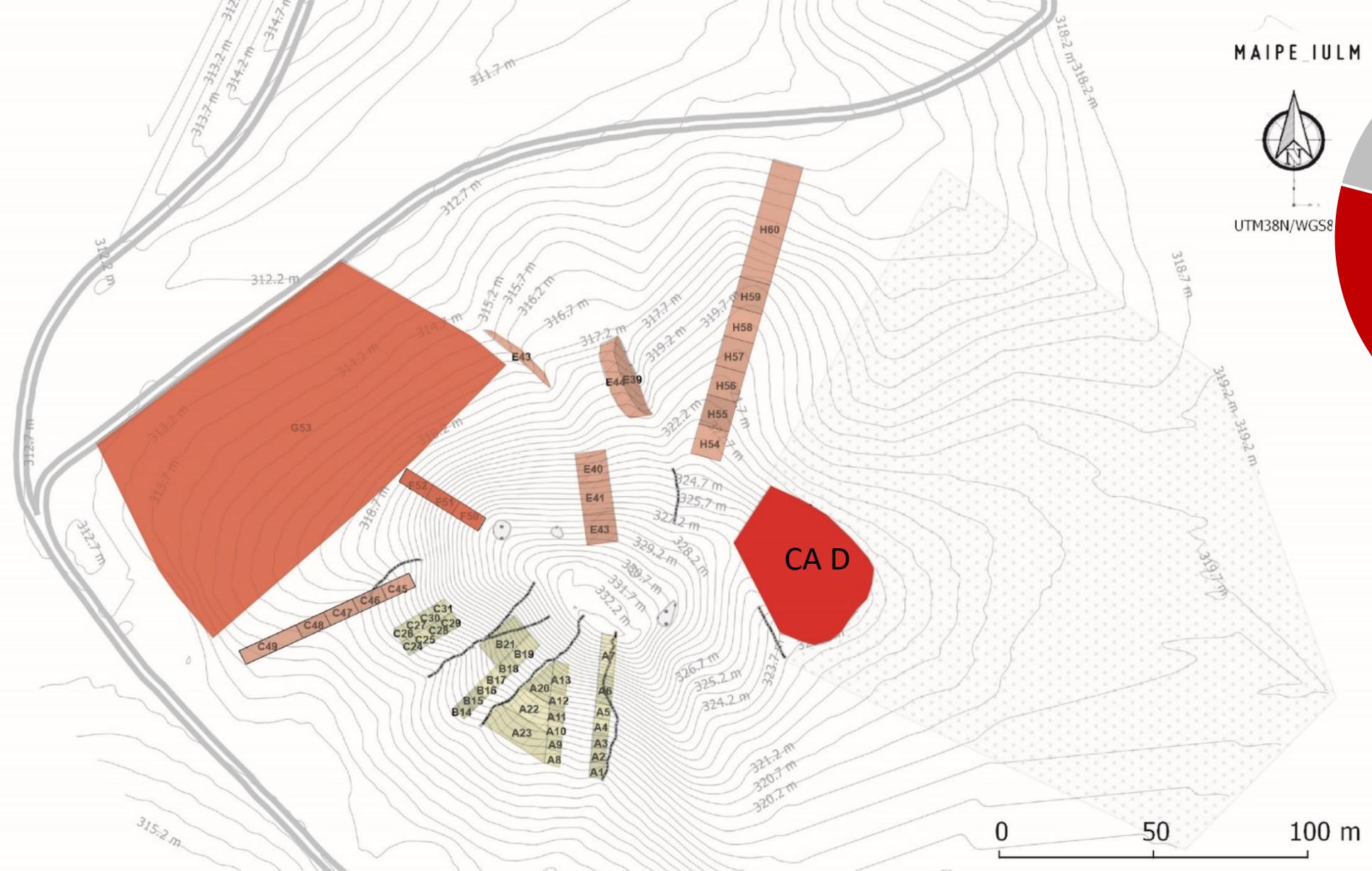
## LC 1-2



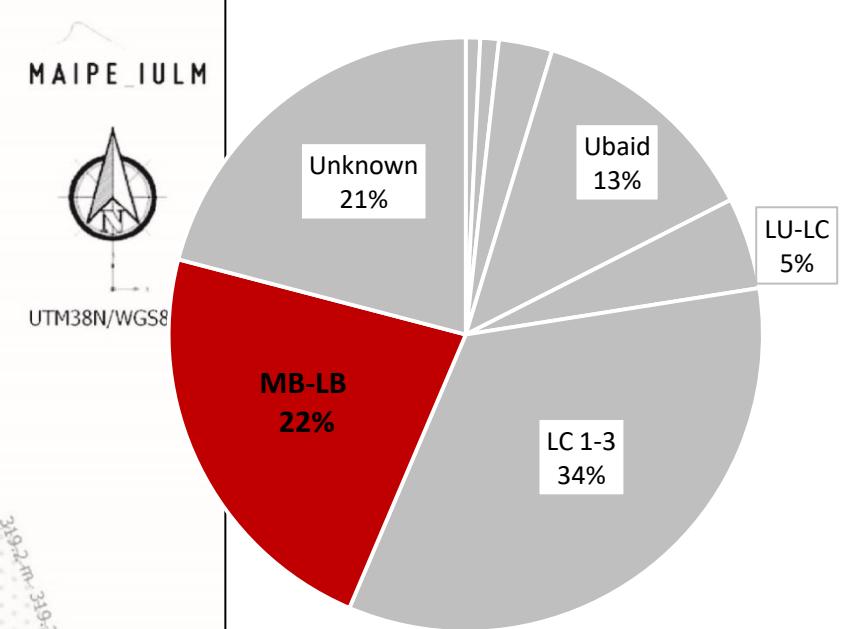
Dates BC	Northern Mesopotamia	Southern Mesopotamia	Gut 1995	Nineveh (MM Sounding)	Gawra (Rothman 2002a)	Helawa	Tell Nader	Qalinq Agha			Surezha
								Sounding 1970	Sounding II	Sounding I	
5800–5300	Halaf	Ubaid 2		Ninevite 2c	XX	x	x	x			x
5300–4800/4500	Early Ubaid	Ubaid 3	E. Ubaid	?	XIX–XV	x	x	c-l			x
	Late Ubaid	Ubaid 4	L. Ubaid		XIII–XIIA	x	x				x
	LC 1	Post Ubaid	T. Ubaid		XII	x	x		a-b		
4800/4500–4200	LC 2 early	Early Uruk	Gawra A	Lower Ninevite 3	XIA/B-XA	x	x	IV	V-I	V-I	x
			Gawra B		XA-IX	x	x				x
4200–3850	LC 2 late	early Middle Uruk	Uruk A	Middle Ninevite 3	VIII	x	x				x
3850–3600	LC 3	late Middle Uruk	Uruk B	Upper Ninevite 3							x
3600–3400	LC 4		Uruk C	Ninevite 4							x
3400–3100	LC 5	Late Uruk									x

## LC 3

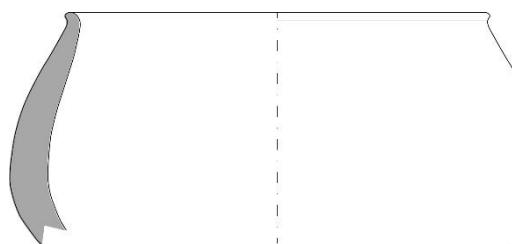
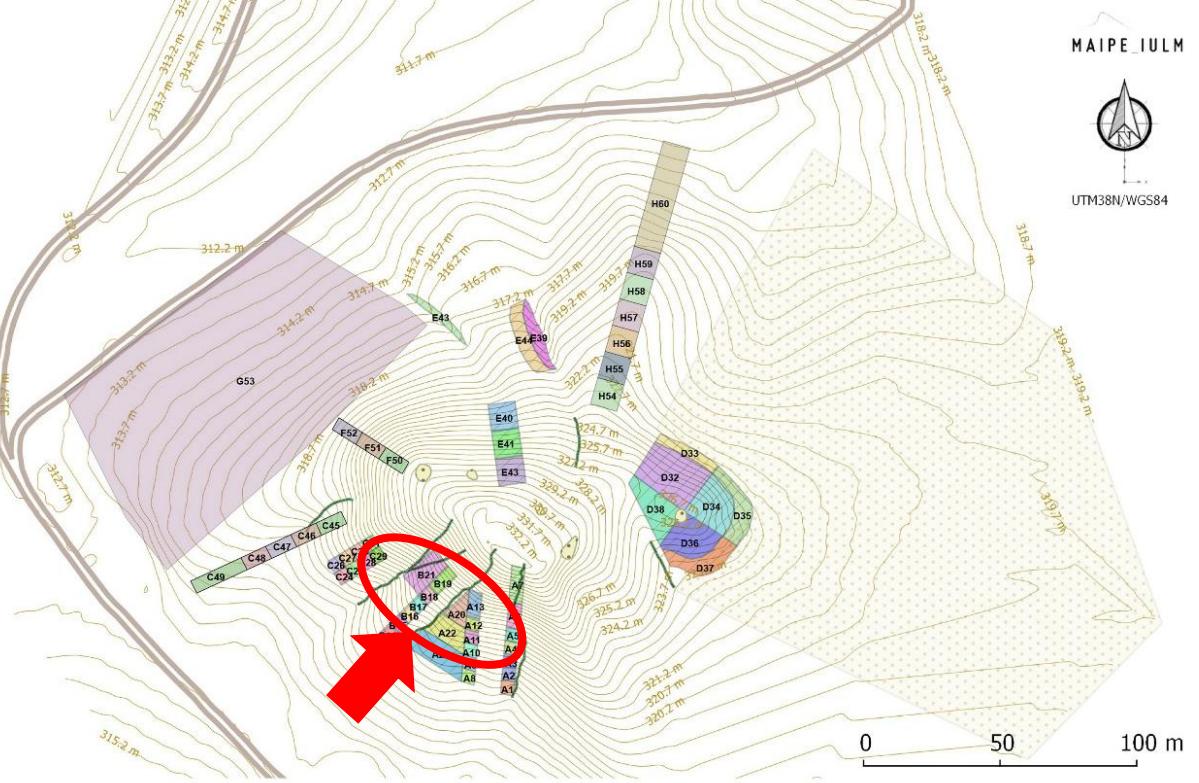
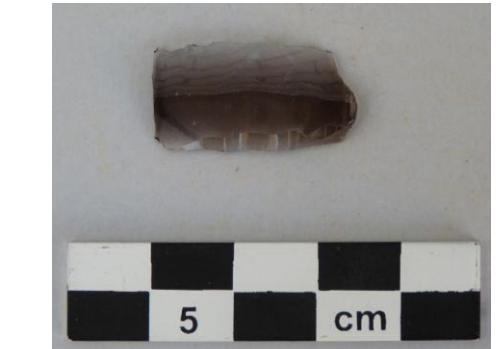


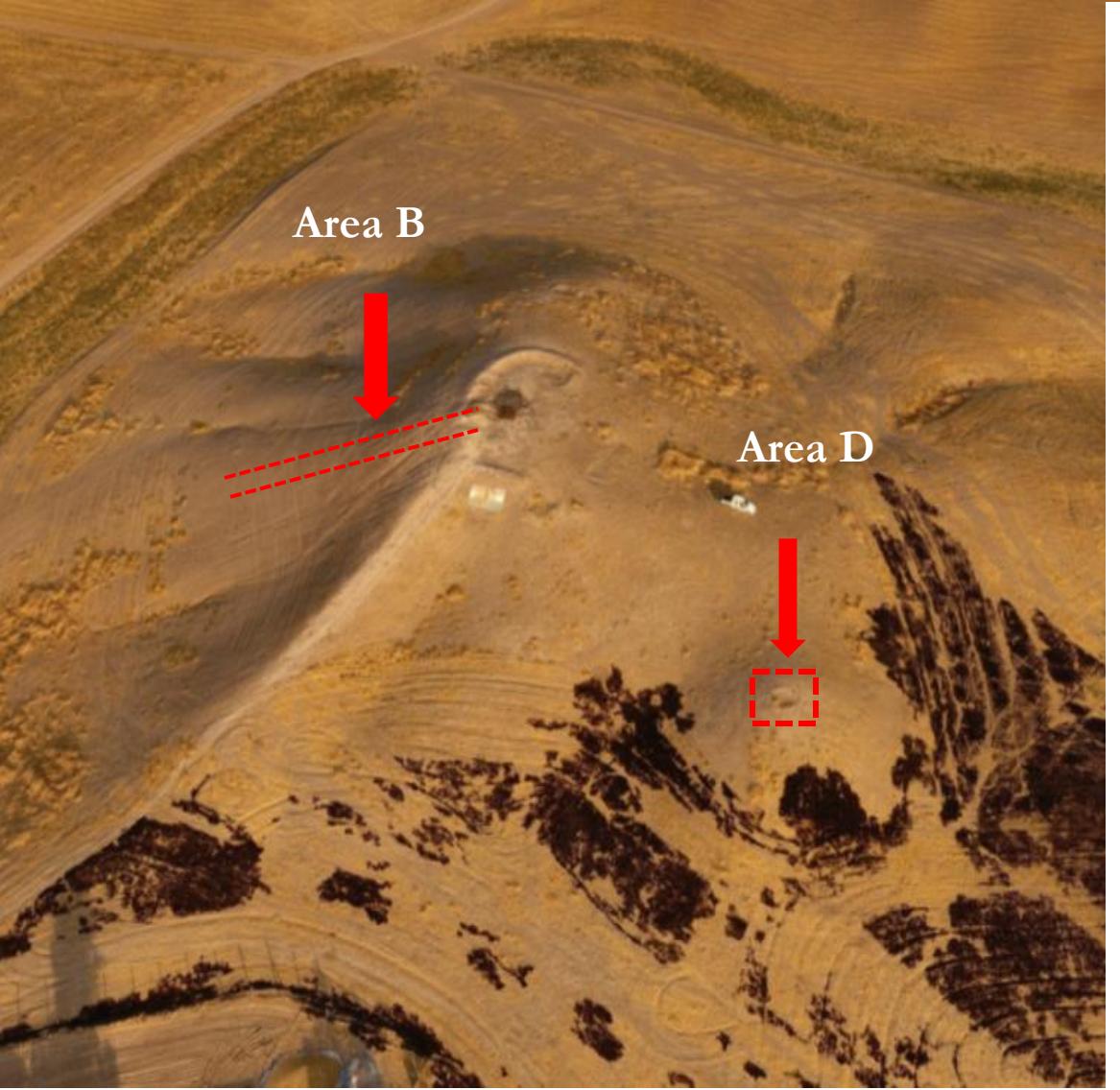


MB-LB pottery distribution on the surface (%)



Hassuna: 1%  
Samarra: 1%  
Halaf: 3%  
Ubaid: 13%  
LU-LC: 5%  
LC 1-3: 34%  
**MB-LB: 22%**





## Tell Helawa

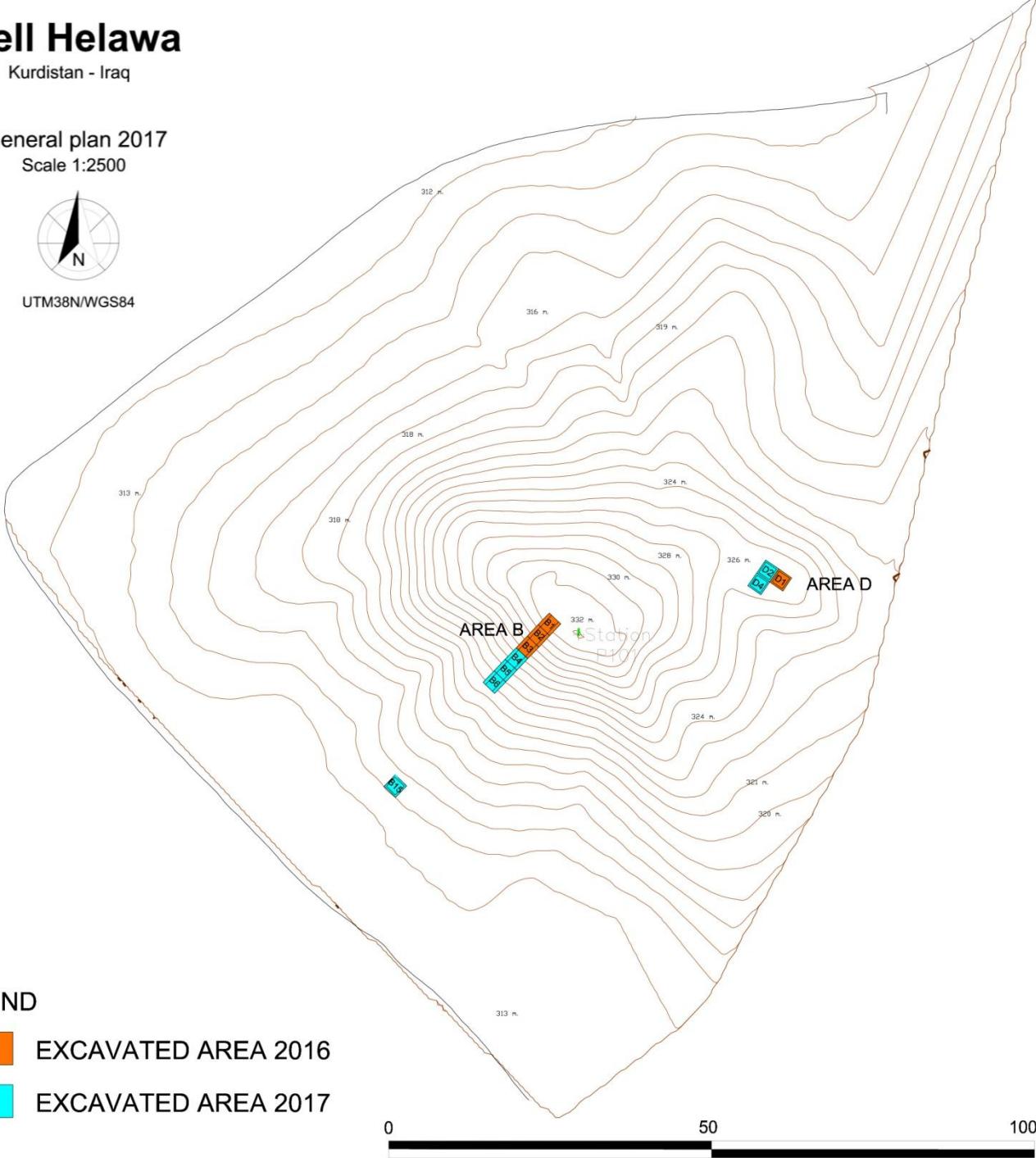
Kurdistan - Iraq

General plan 2017

Scale 1:2500



UTM38N/WGS84



D1: Phase 2b



2017

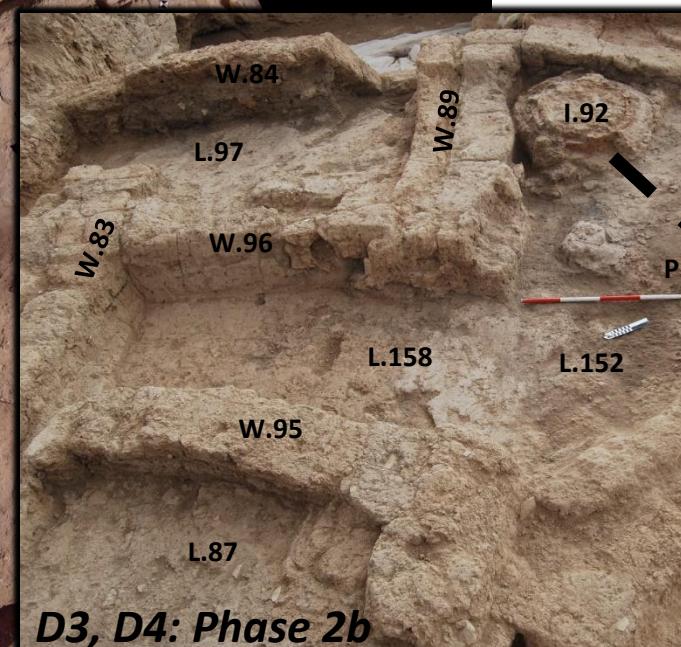
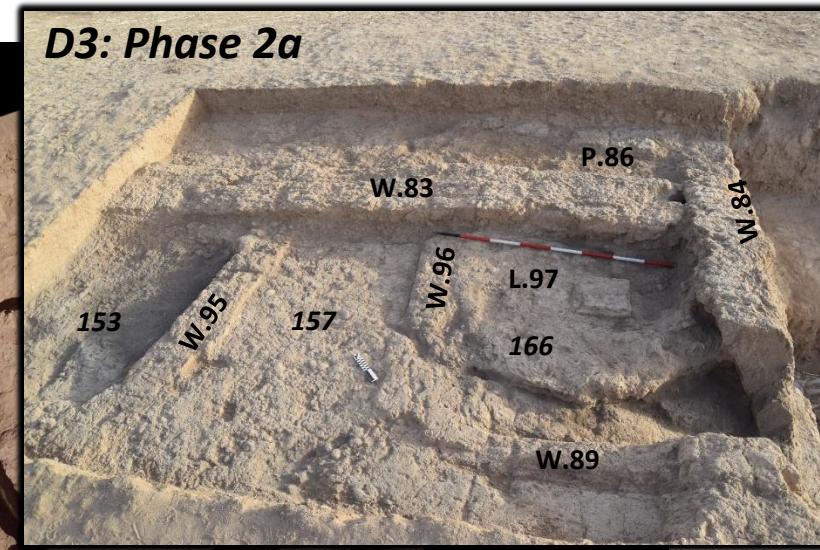
D1: Phase 3



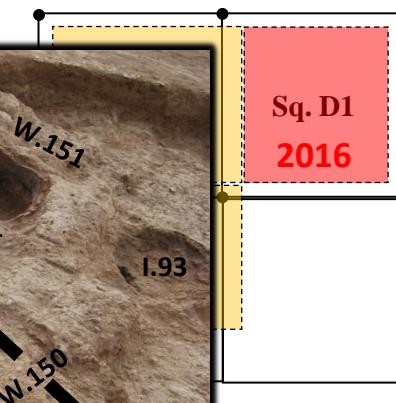
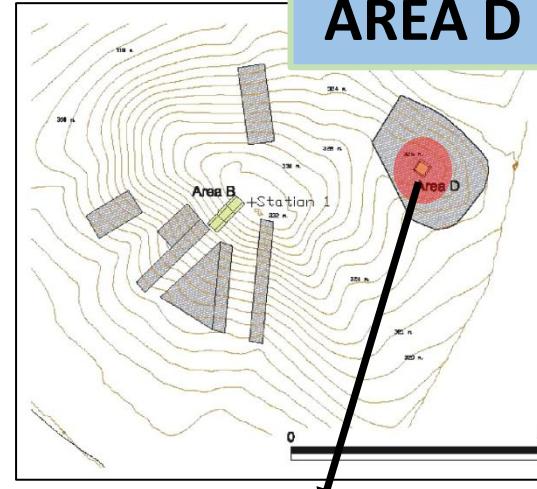
2016

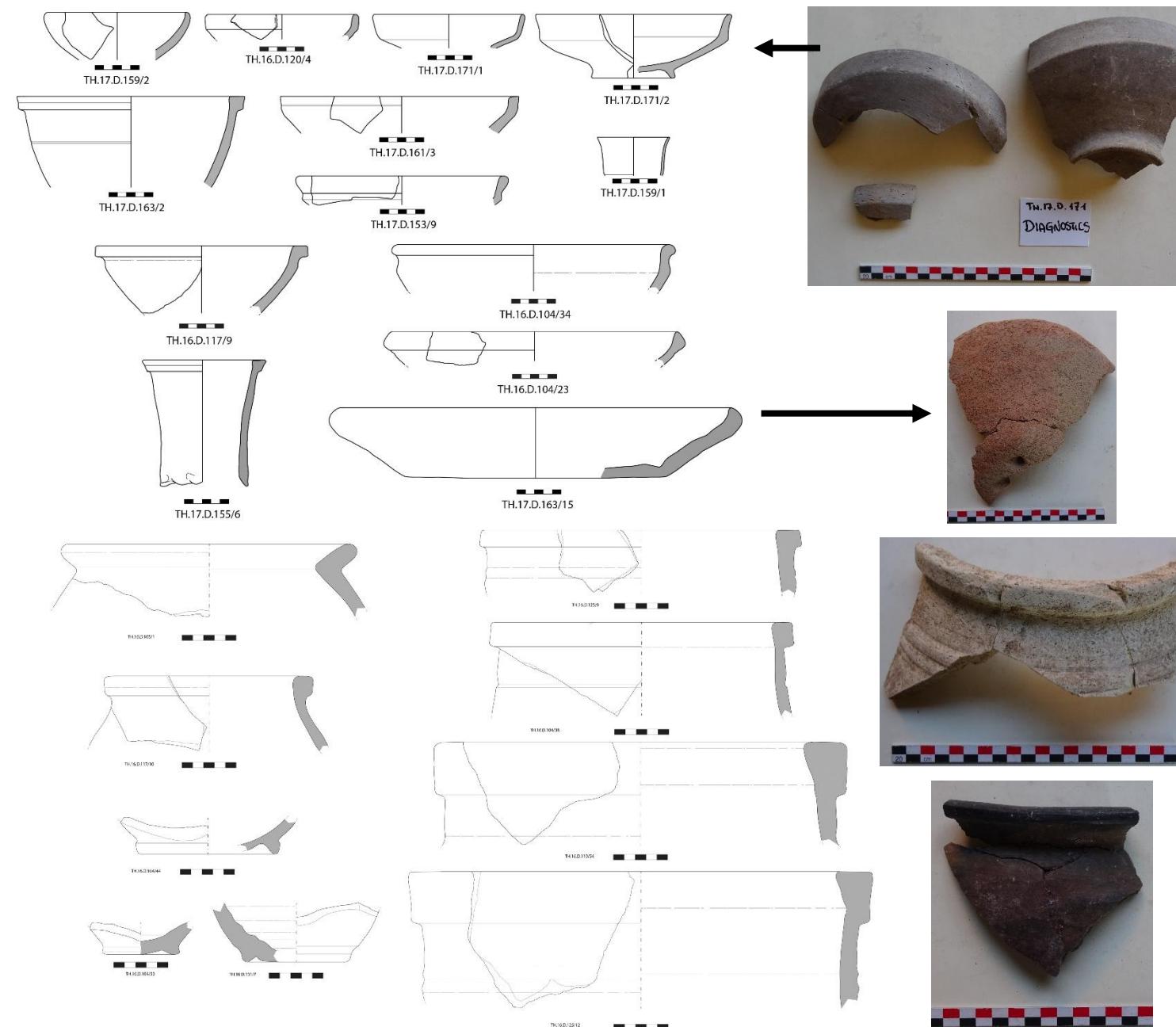
D3, D4  
Phase 2

D3: Phase 2a

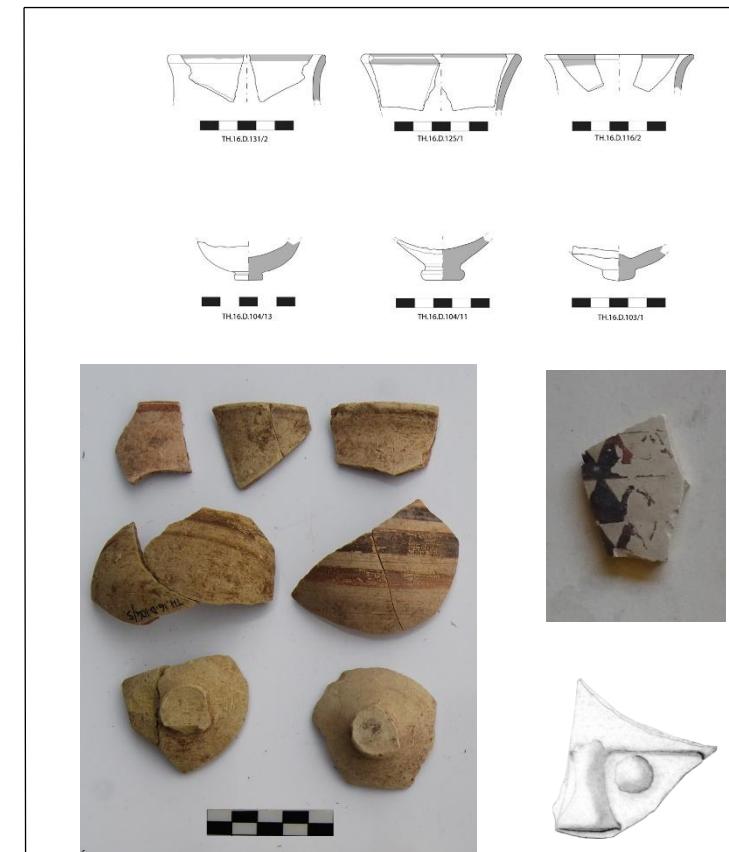


AREA D

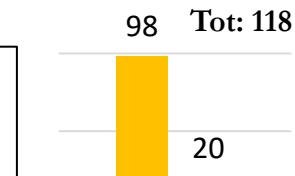
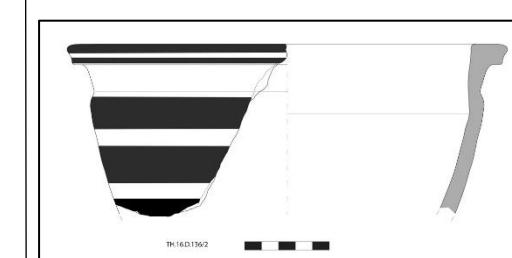




**Grey Ware**



L  
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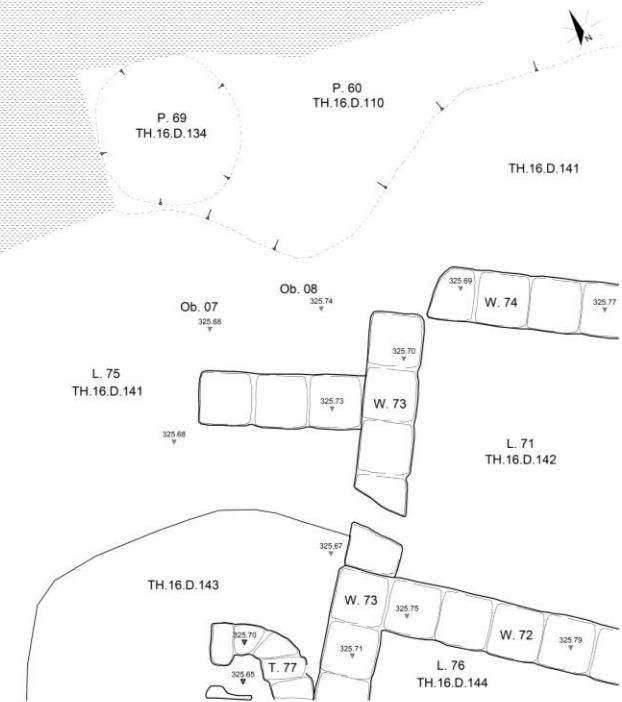
Area D Helawa

PlainW PKW

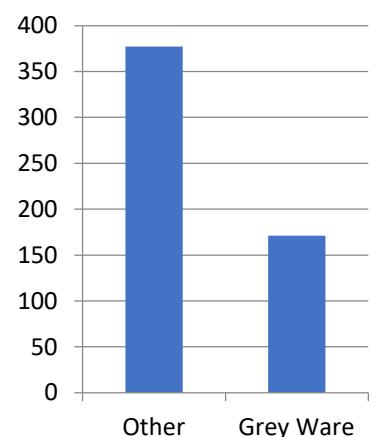
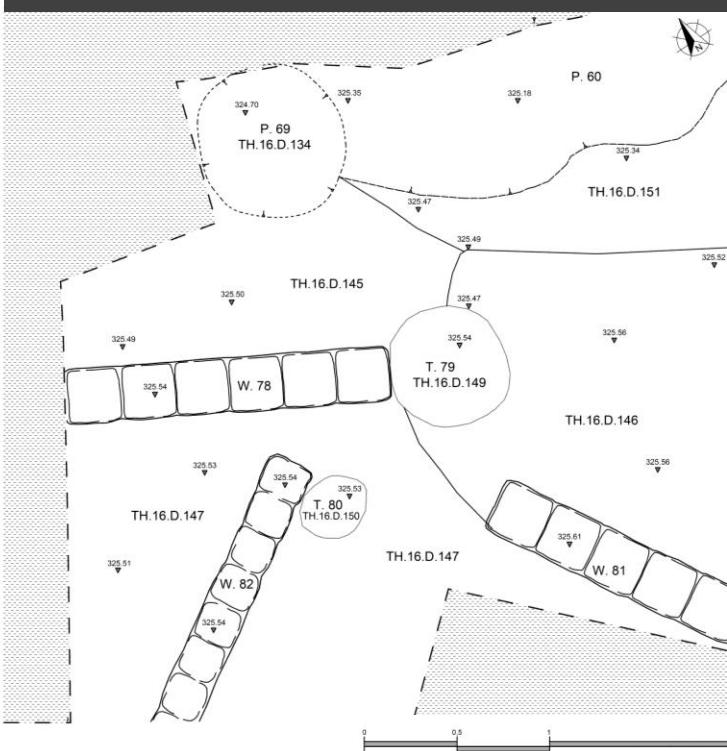
**AREA D: Phase 2 (Mitannian I – LB I)**

**Phase 3 (Late MB – LB I)**

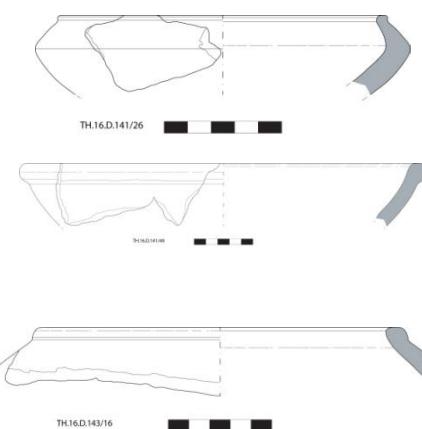
## D1: Phase 4b



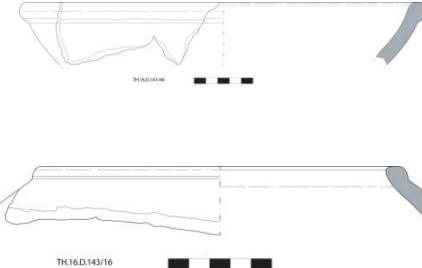
## D1: Phase 4c



LC2



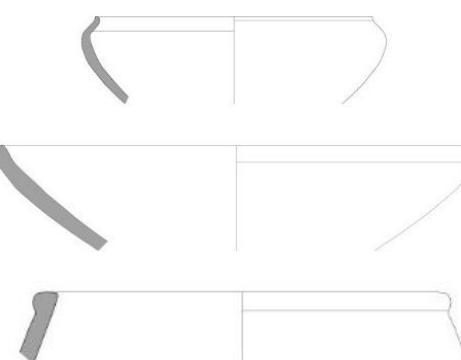
LC3



Helawa, Area D

Nineveh, Middle and  
Upper Ninevite 3

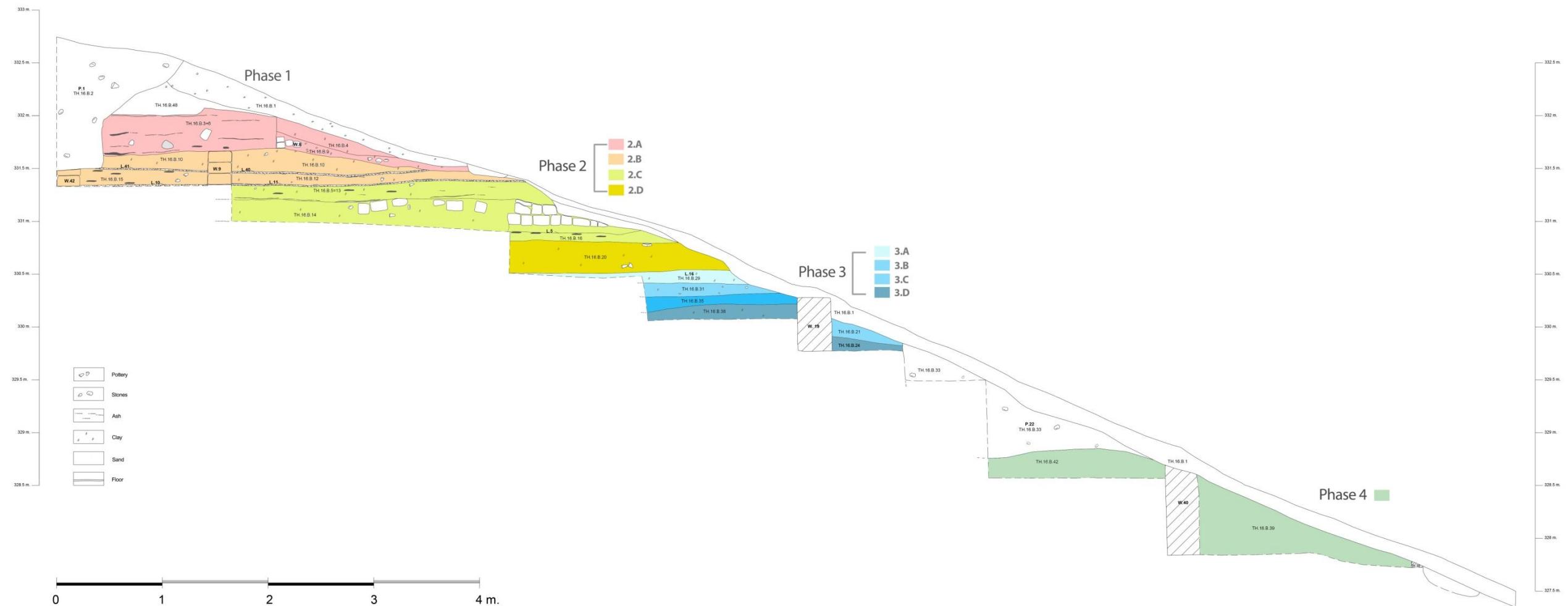
Qalij Agha,  
Level IV





**Filling of P.1:** cartridge cases and a pack of Buisness Club cigarettes, produced and traded since 1999 (*terminus post quem*).





Area B - Step Trench (East Section, 2016)

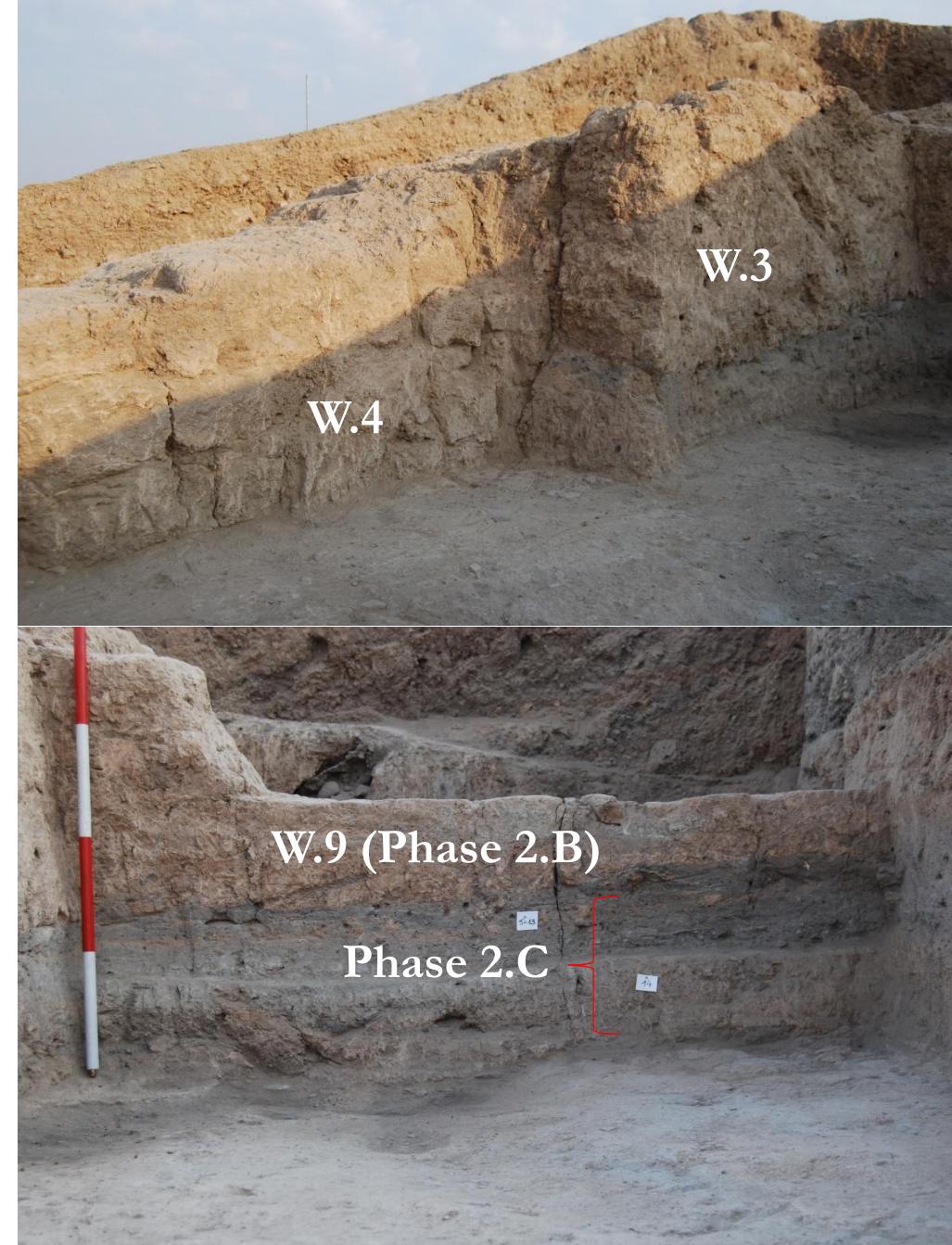


Area B - Step Trench



Area B - Phase 2 (late LC 2/LC3 transitional)

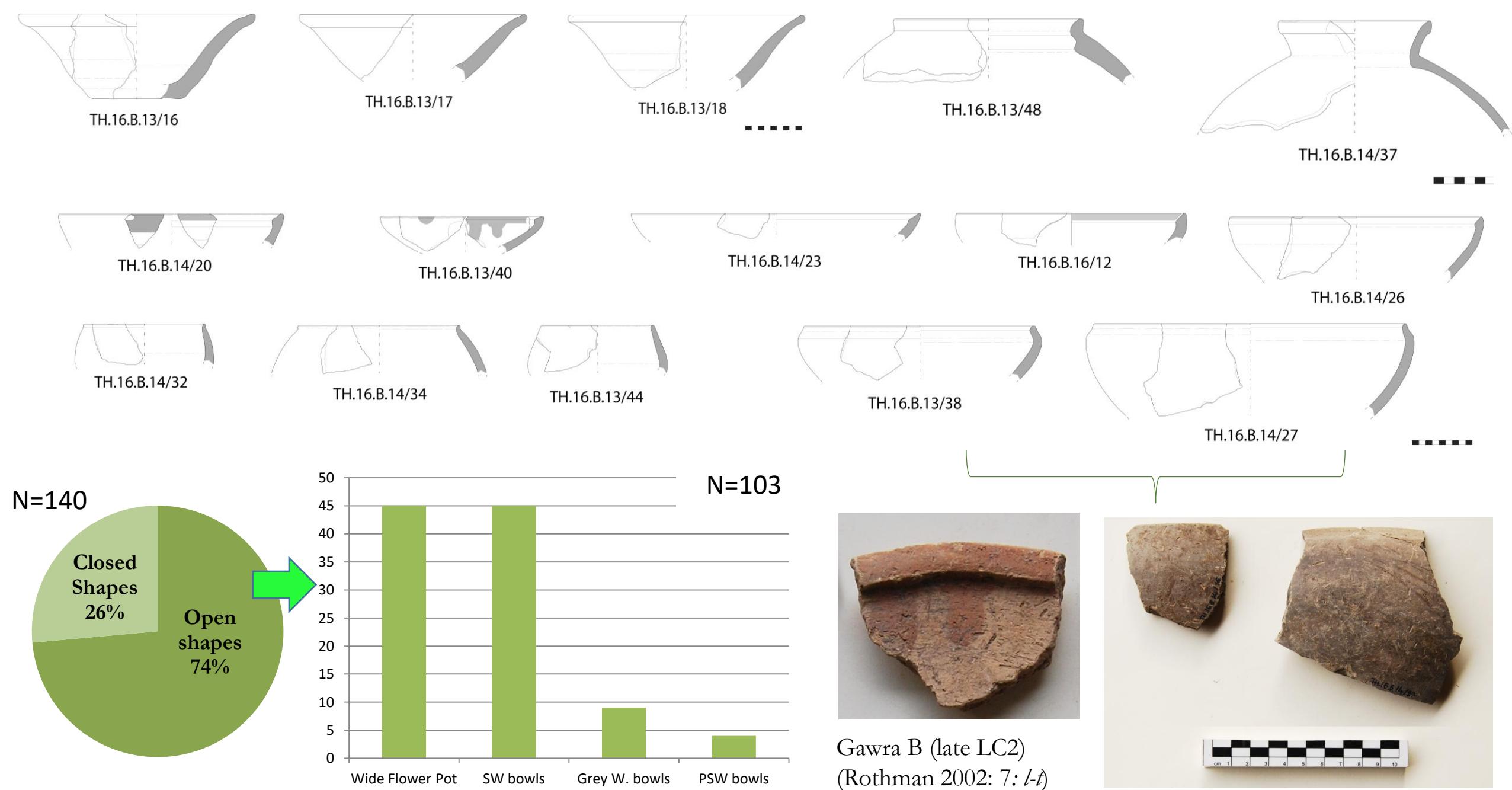
Particular of  
W.3 (Ph. 2.B)  
which leans  
against W.4  
(Ph. 2.C).  
From S-E



Particular of  
W.9 (Ph. 2.B)  
which covers  
Ph. 2.C layers.  
From S.

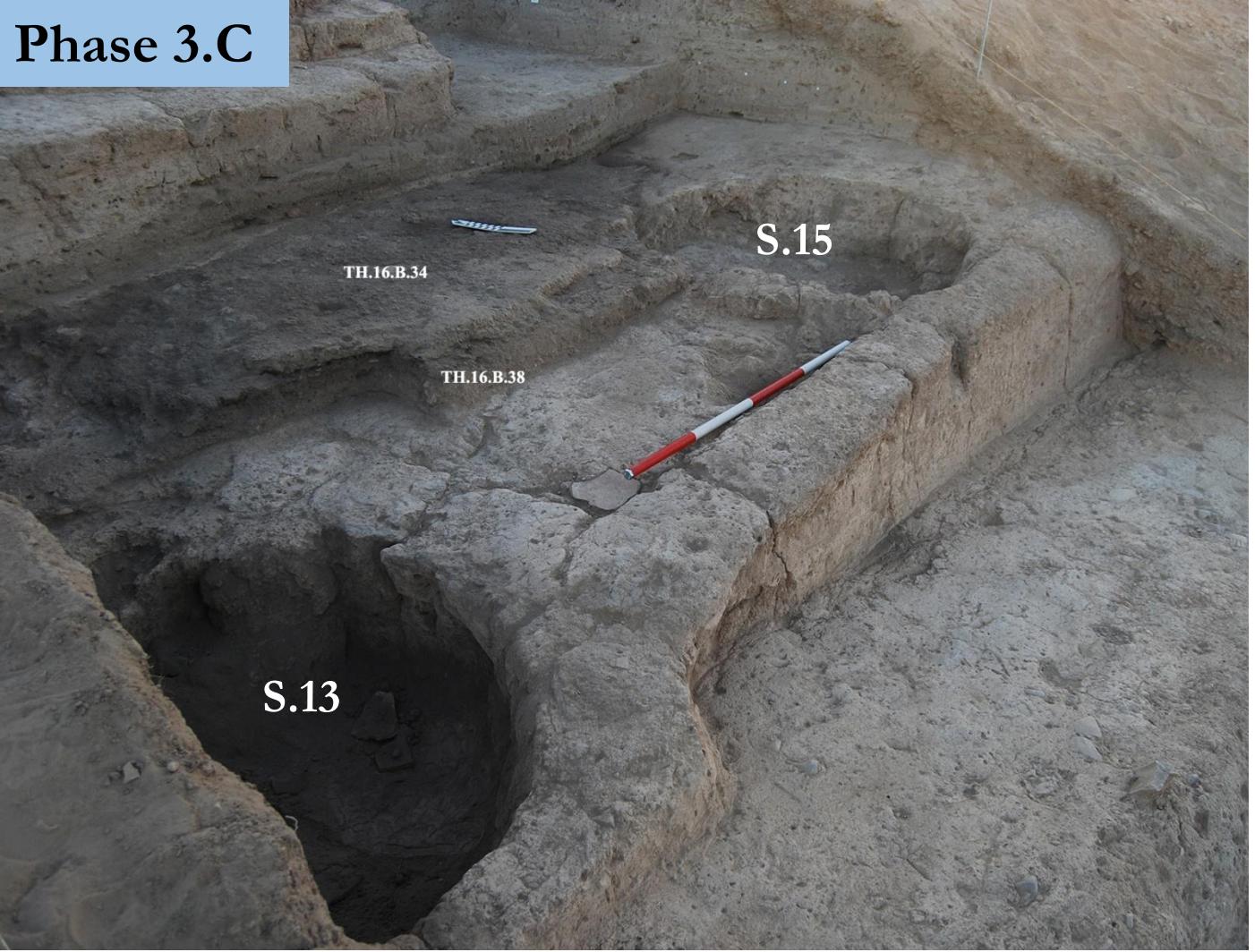


Area B - Phase 2.C (late LC 2/LC3 transitional)



Area B - Phase 2.C: Room L.5 (LC 2 late/LC 3 transitional)

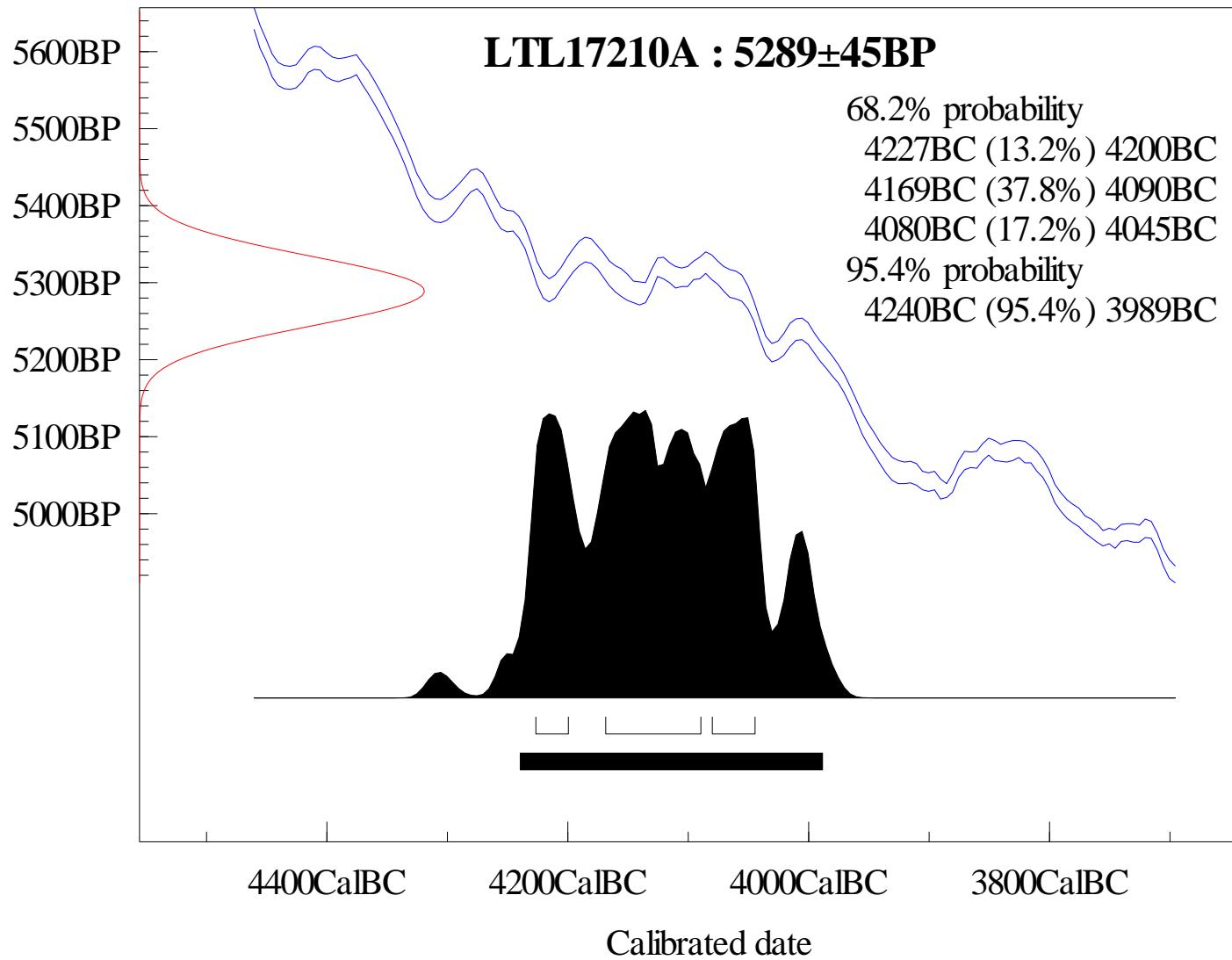
**Phase 3.C**



**Phase 3.D**



Silos S.15 cutting into silos S.29

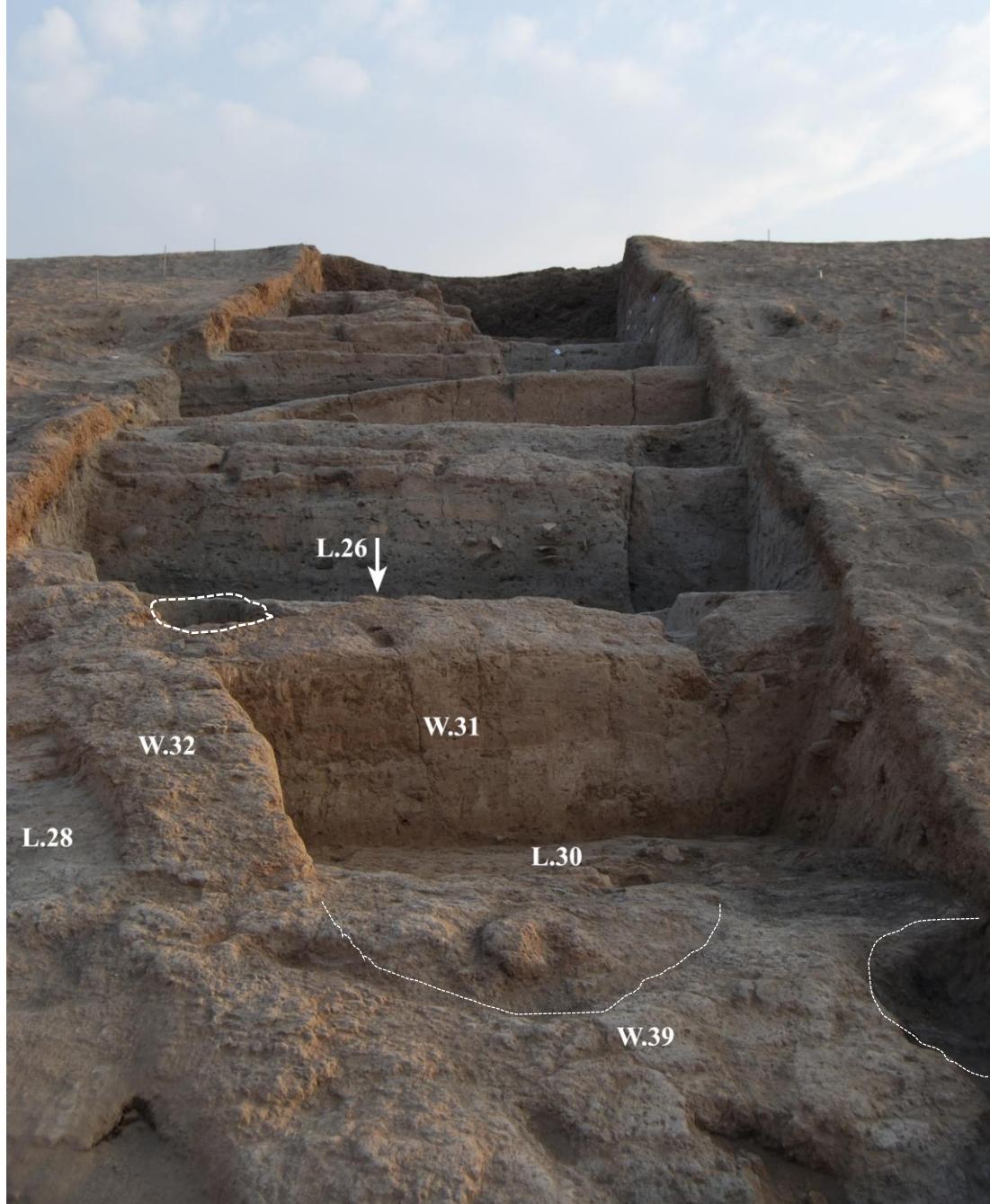


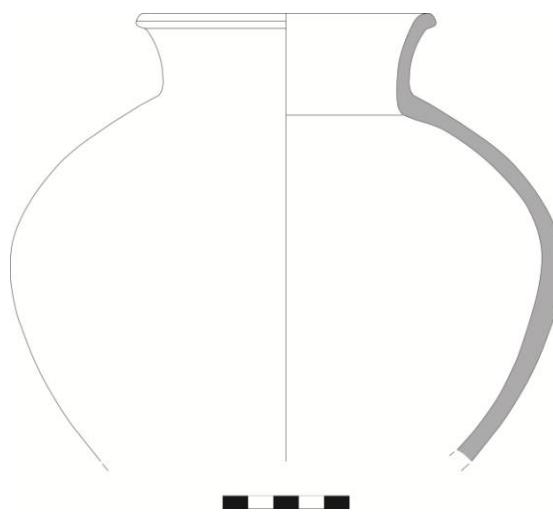
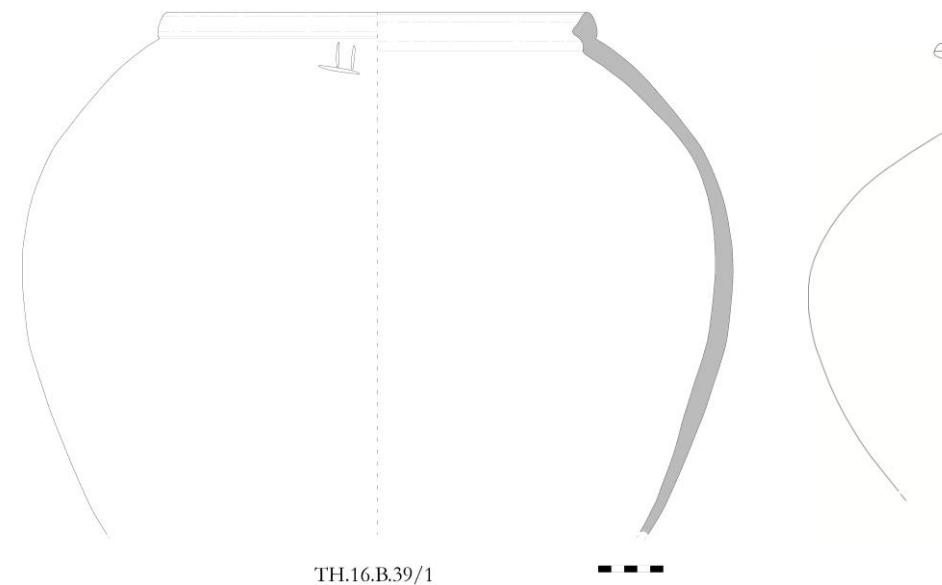
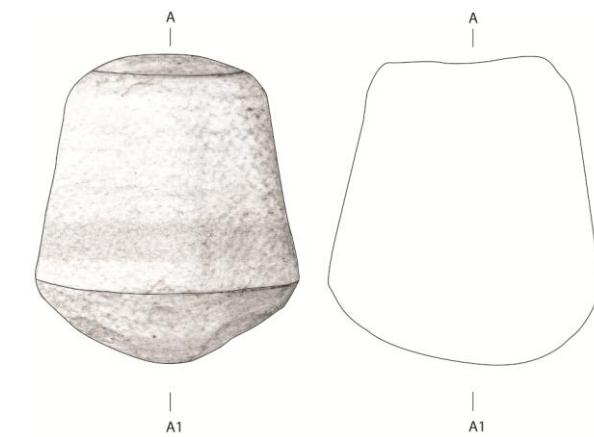
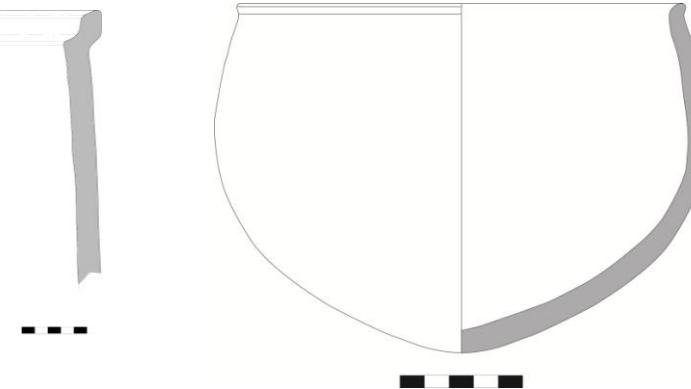
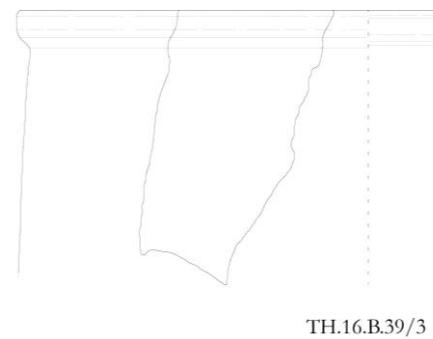
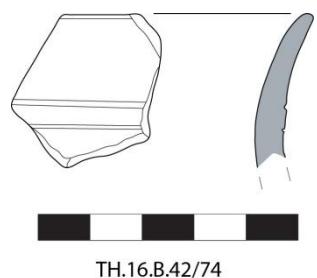
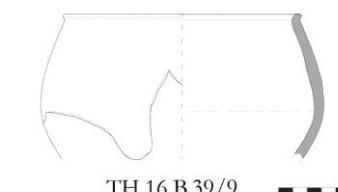
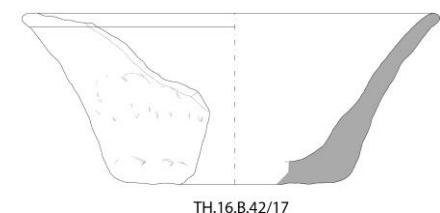
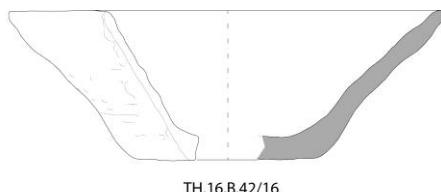
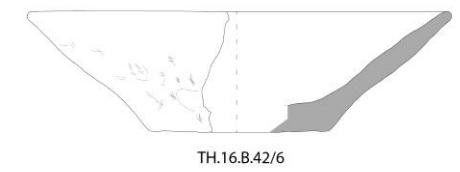
Dates BC	Northern Mesopotamia
5300-4800/4500	Early Ubaid
	Late Ubaid
4800/4500–4200	LC 1
4200–3850	LC 2 early
	LC 2 late
3850–3600	LC 3
3600–3400	LC 4
3400–3100	LC 5





Area B - Phase 4 (early LC 2)

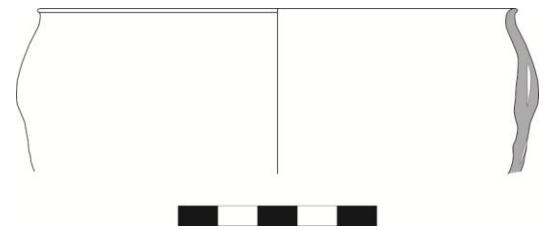




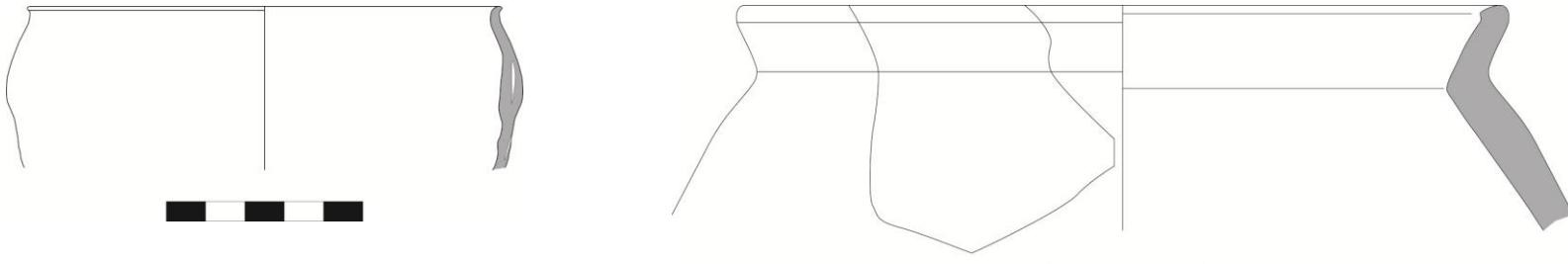
Area B - Phase 4: Rooms L.26 and L.30 (early LC 2)



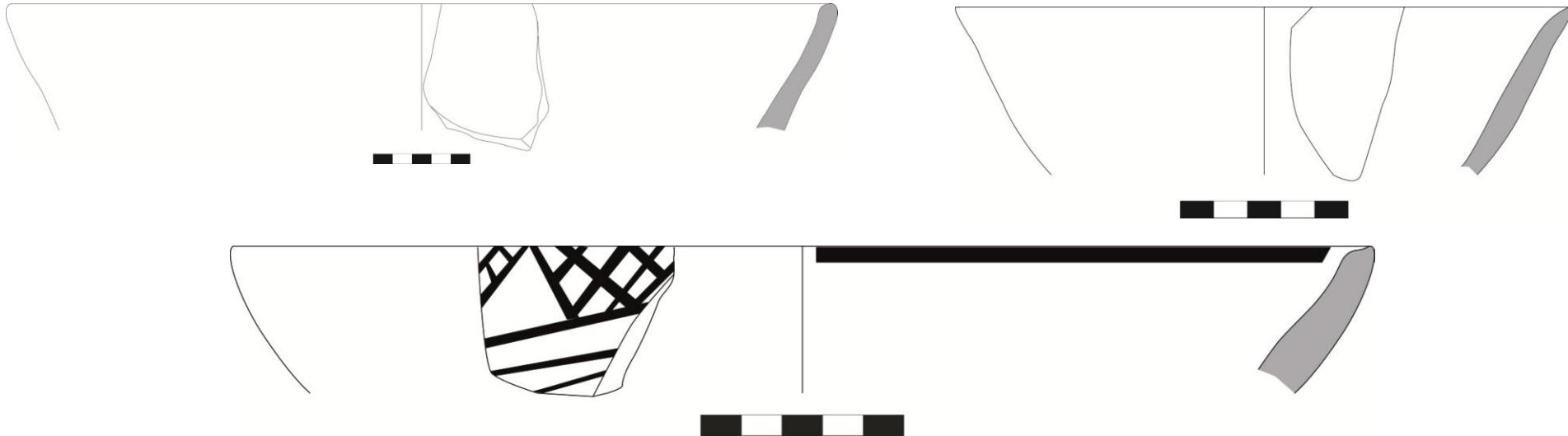
Area B - Phase 5 (LC1/2)



**LC2**



**LC1**

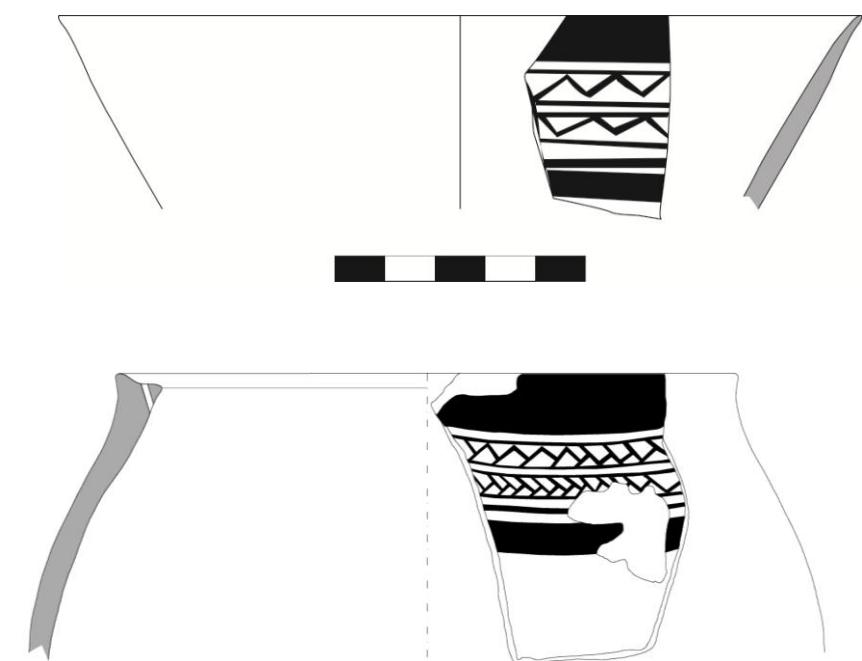


**Area B - Phase 5 (LC1/2)**



Layer 62

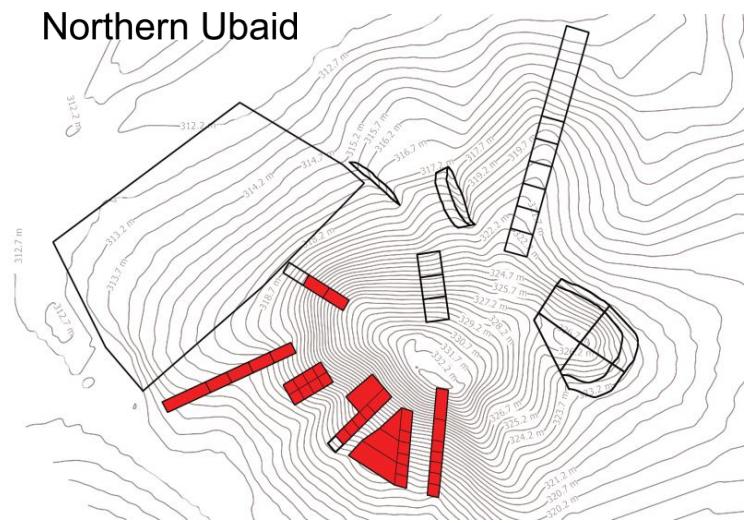
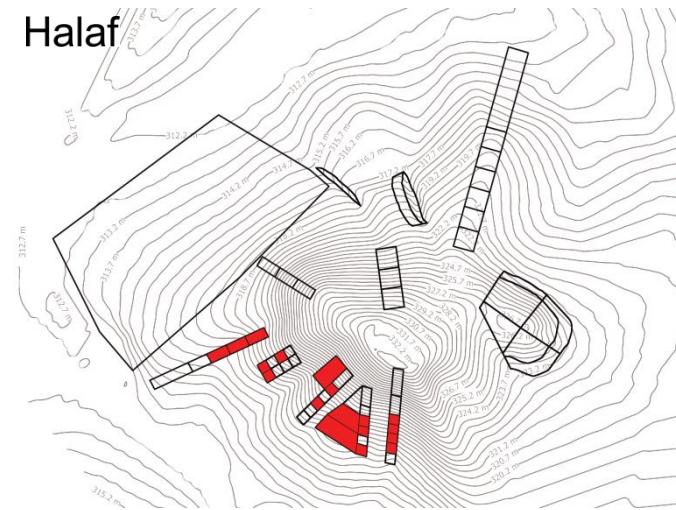
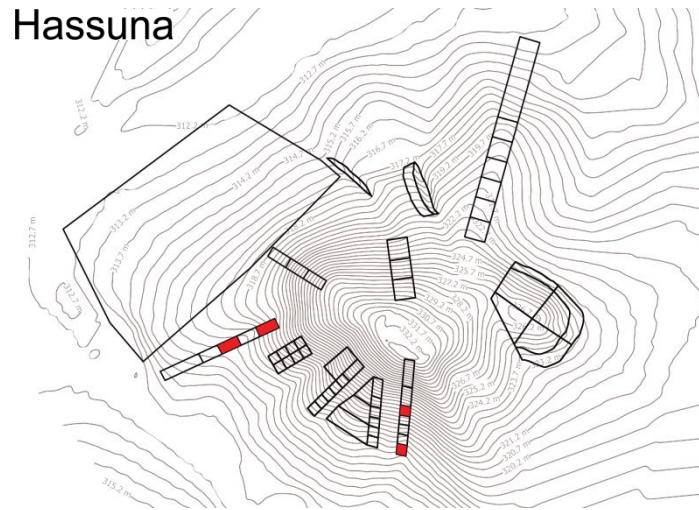




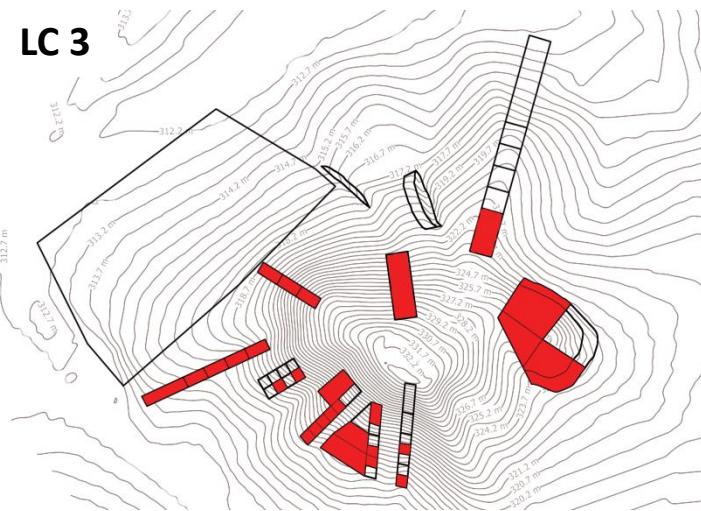
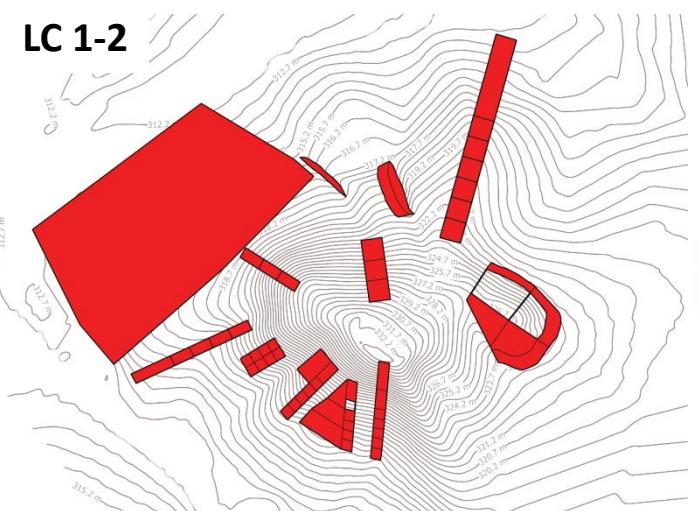
Area B – Phase 6 (Late Ubaid)

VII MILLENNIUM BC

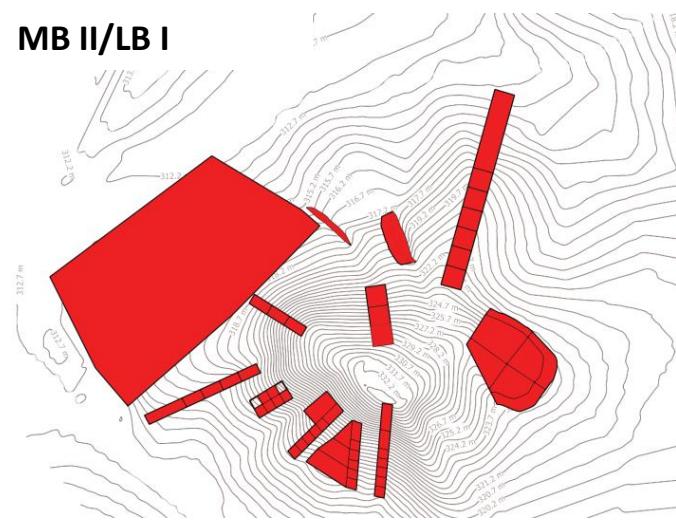
MAIPE\_IULM

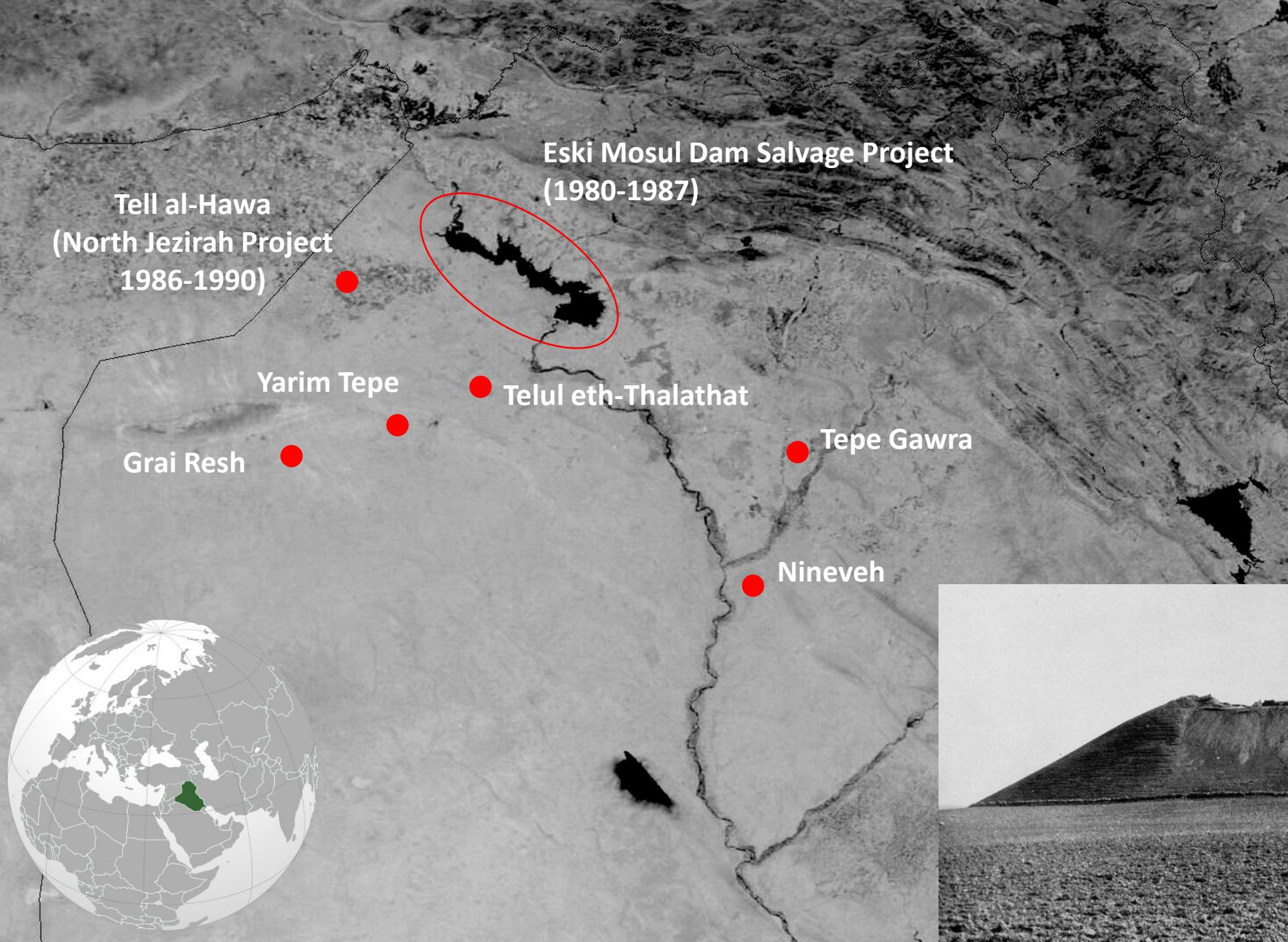


IV MILLENNIUM BC



II MILLENNIUM BC

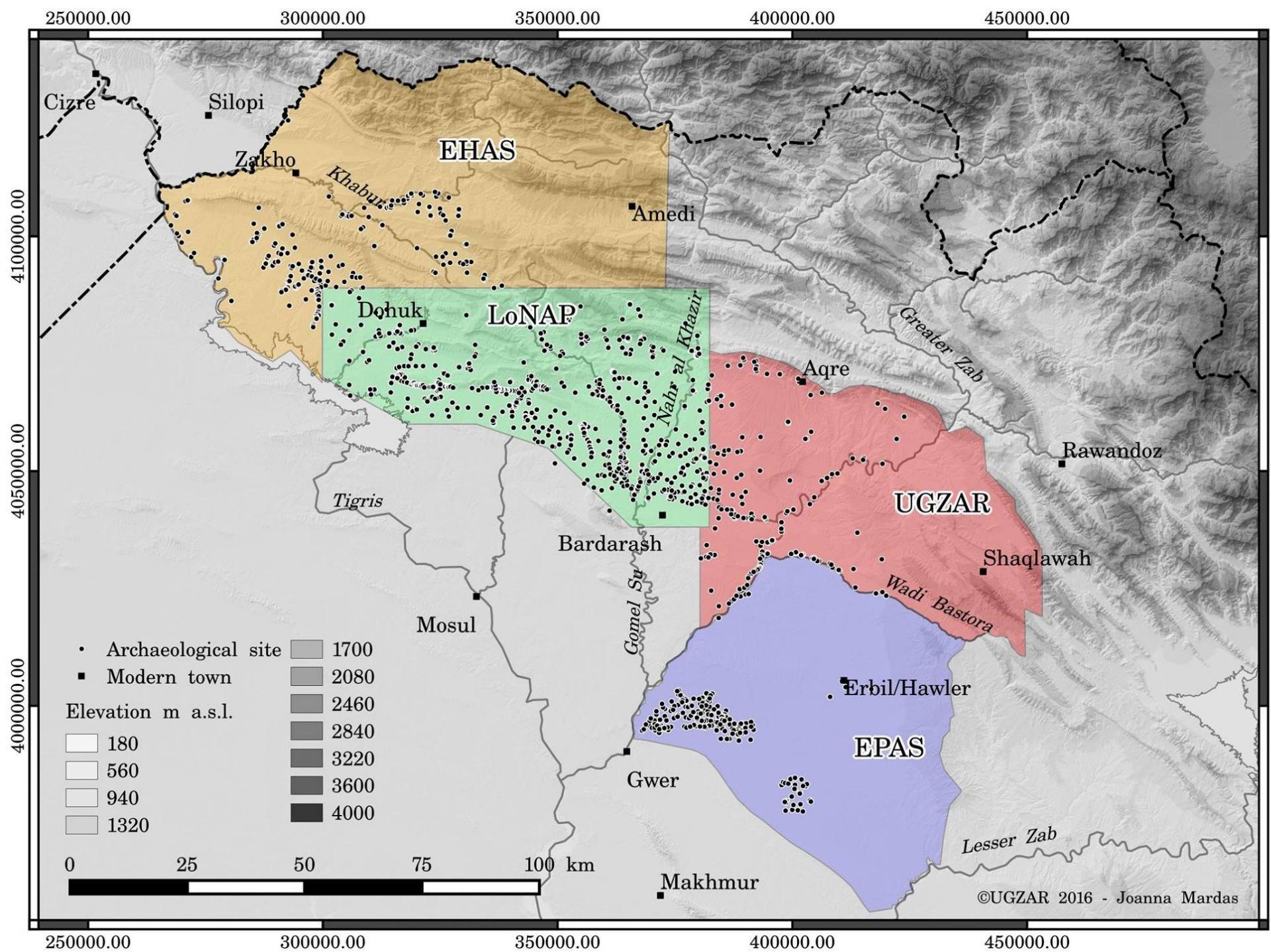




✓ **Tepe Gawra** (Rothman 2001, 2002)

✓ **Nineveh** (Gut 1995, 2002).

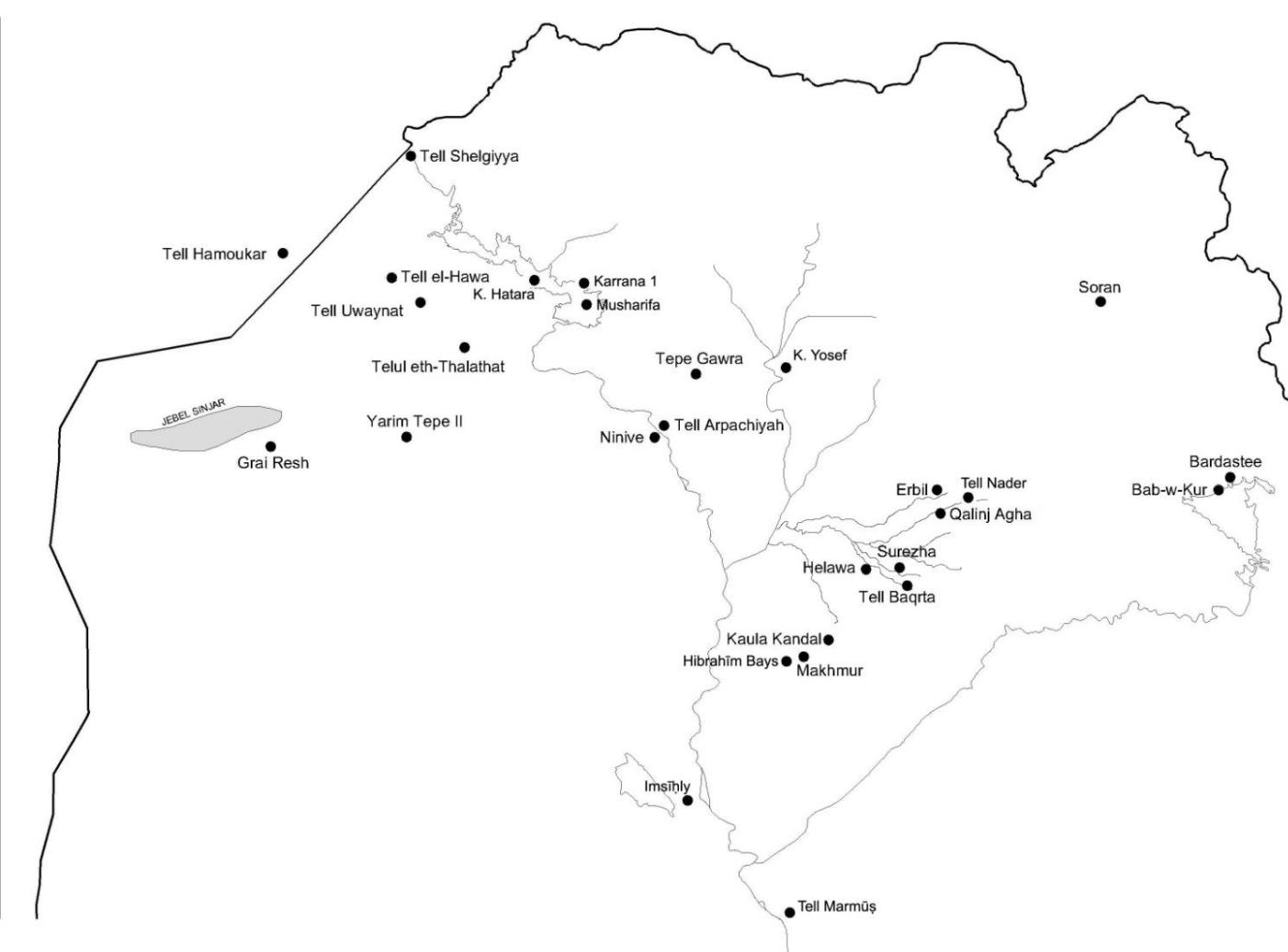




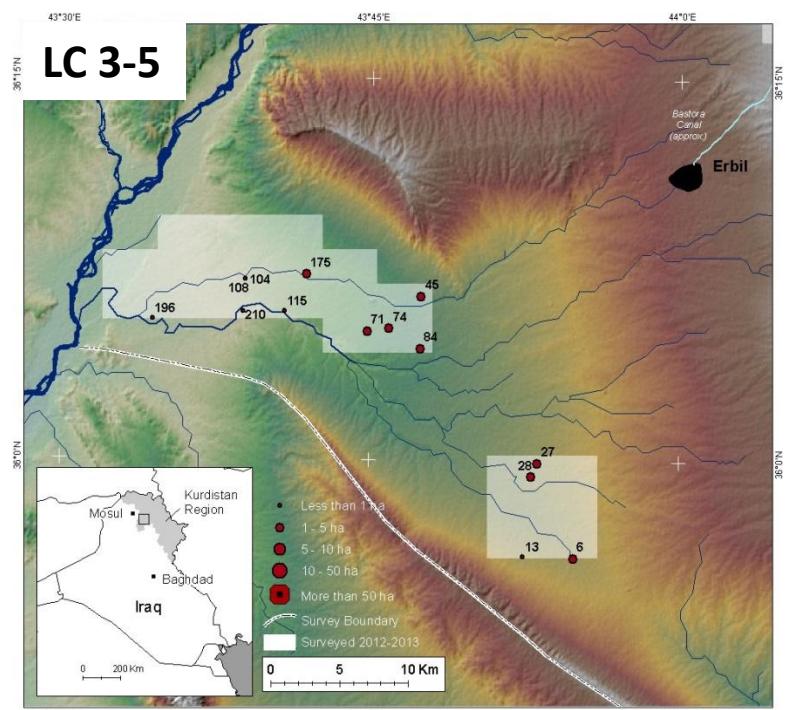
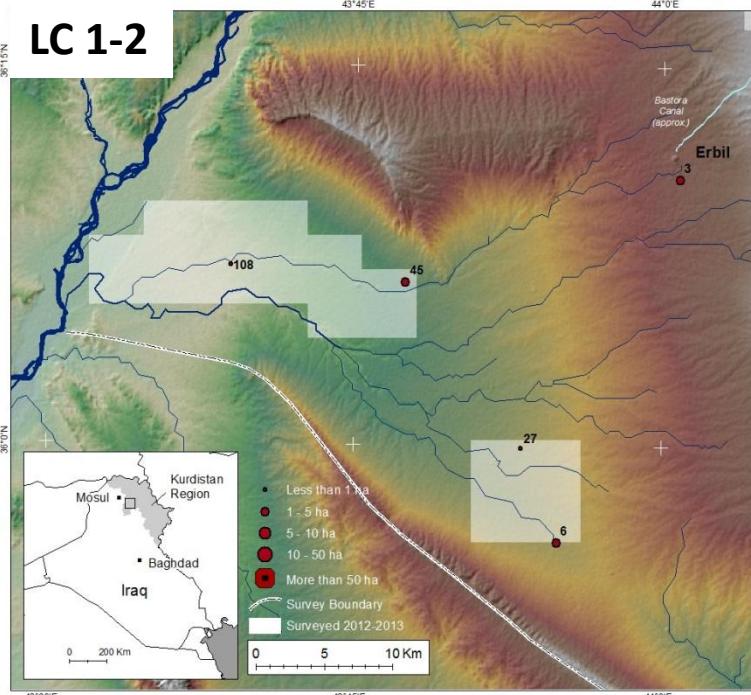
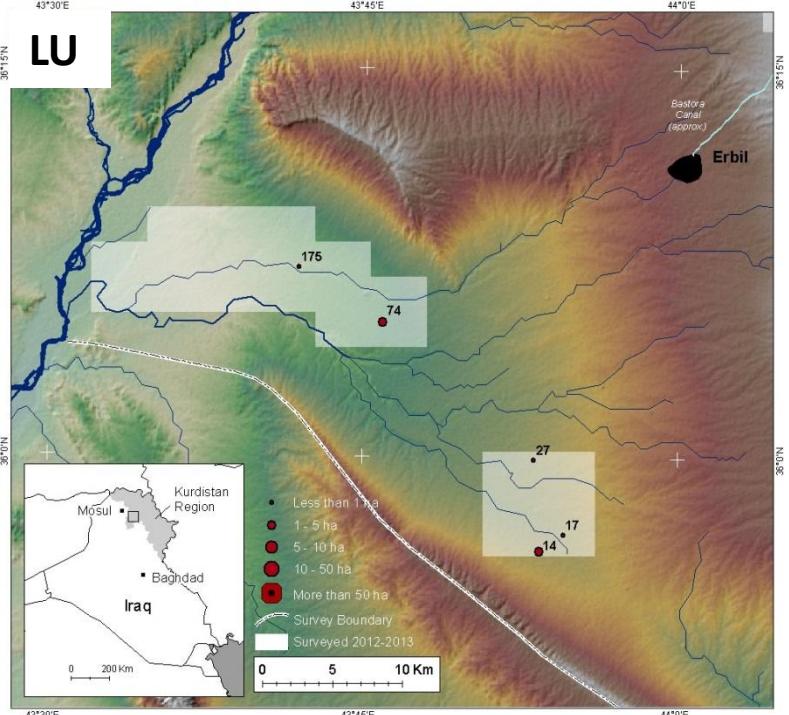
## Between the Upper and Lower Zab

**UZGAR:** Upper Greater Zab Archaeological Reconnaissance  
(Rafał Koliński, University UAM, Poznań)

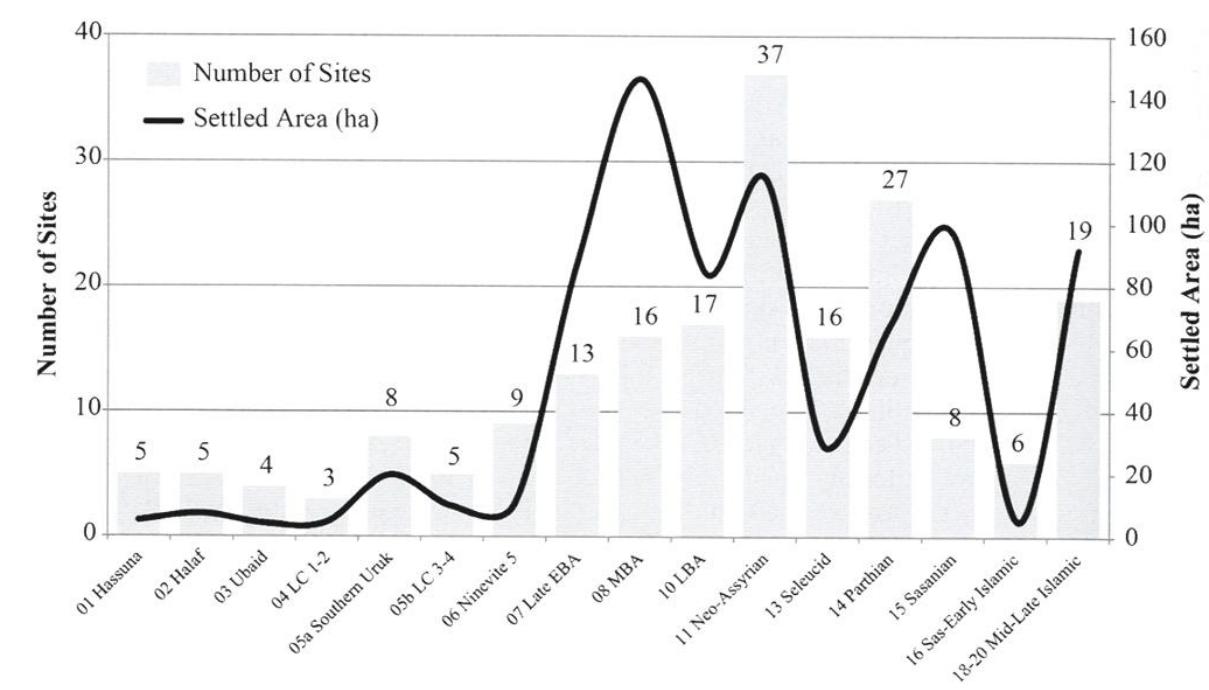
**EPAS:** Erbil Plain Archaeological Survey  
(Jason Ur, Harvard University)



Dates BC	Northern Mesopotamia	Southern Mesopotamia	Gut 1995	Nineveh (MM Sounding)	Gawra (Rothman 2002a)	Helawa	Tell Nader	Qalinj Agha			Surezha
								Sounding 1970	Sounding II	Sounding I	
5800–5300	Halaf	Ubaid 2		Ninevite 2c	XX	x	x	x			x
5300–4800/4500	Early Ubaid	Ubaid 3	E. Ubaid		XIX-XV	x	x				XII-VIII
	Late Ubaid	Ubaid 4	L. Ubaid		XIII-XIIA	x	x	c-I			
4800/4500–4200	LC 1	Post Ubaid	T. Ubaid		XII	x	x	a-b			VII-VI
	LC 2 early	Early Uruk	Gawra A	?	XIA/B-XA	x	x				
			Gawra B	Lower Ninevite 3	XA-IX	x	x	IV	V-I	V-I	
3850–3600	LC 3	early Middle Uruk	Uruk A	Middle Ninevite 3	VIII	x	x				x
3600–3400	LC 4	late Middle Uruk	Uruk B	Upper Ninevite 3							x
3400–3100	LC 5	Late Uruk	Uruk C	Ninevite 4							x

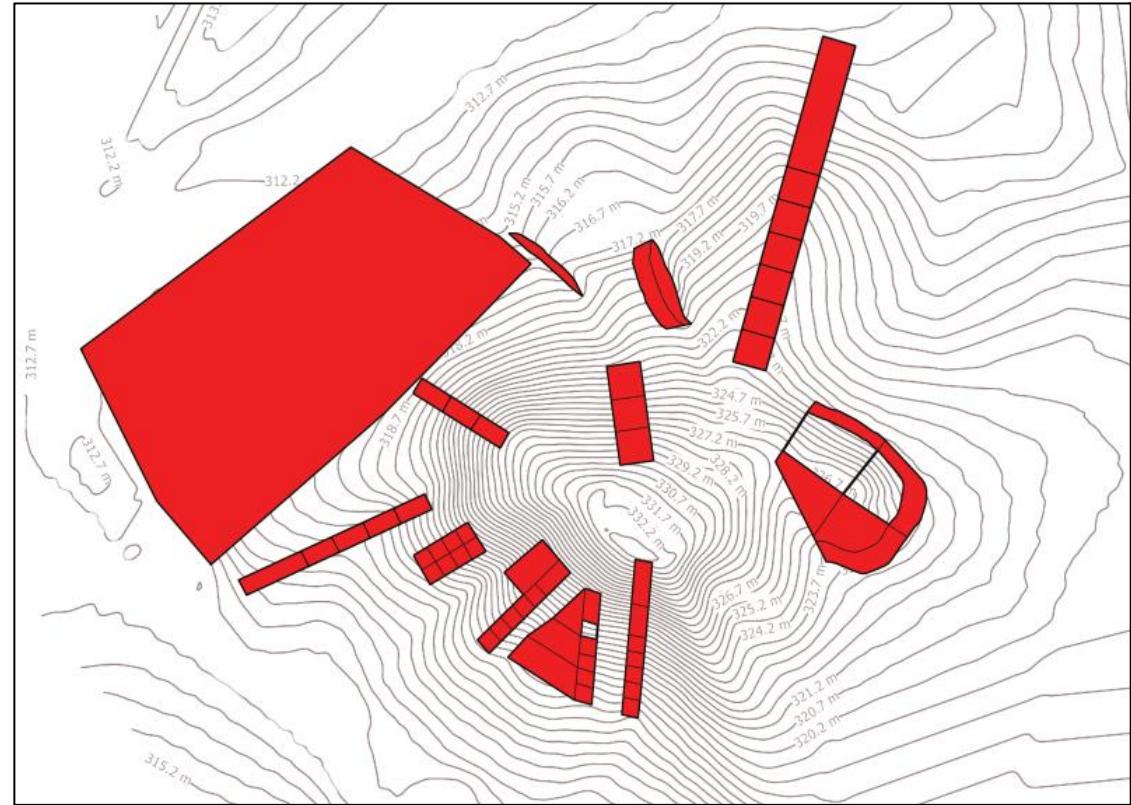


Courtesy of J. Ur  
(EPAS Survey)



Ur *et al.* 2013 Ancient Cities and Landscapes in the Kurdistan region of Iraq: The Erbil Plain Archaeological Survey 2012 Season 1. *Iraq* 75: 89-117.

# Late Chalcolithic 1-3 at Helawa





The growth of early social networks: New geochemical results of obsidian from the Ubaid to Chalcolithic Period in Syria, Iraq and the Gulf



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<sup>h</sup> University of Tübingen, Institut für Ur- u. Frühgeschichte, Burgesteig 11, 72070 Tübingen, Germany

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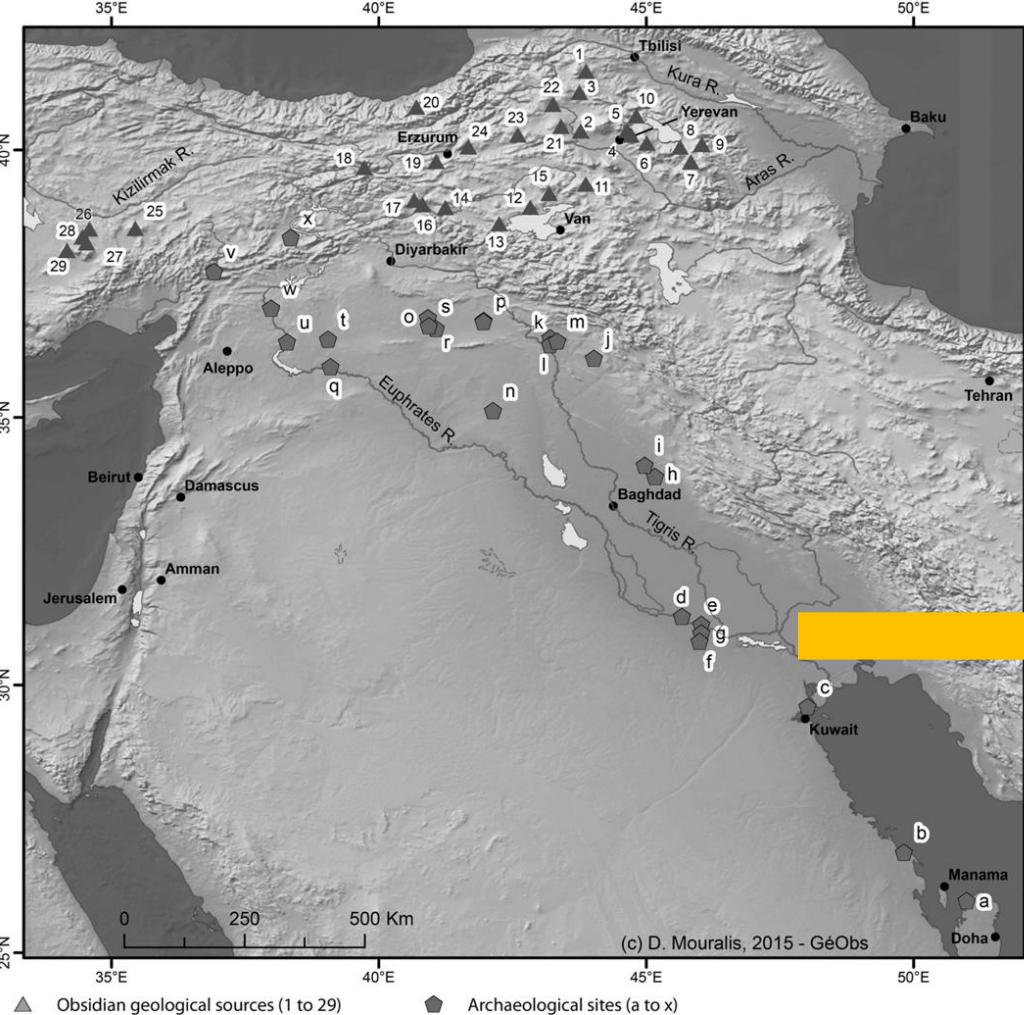
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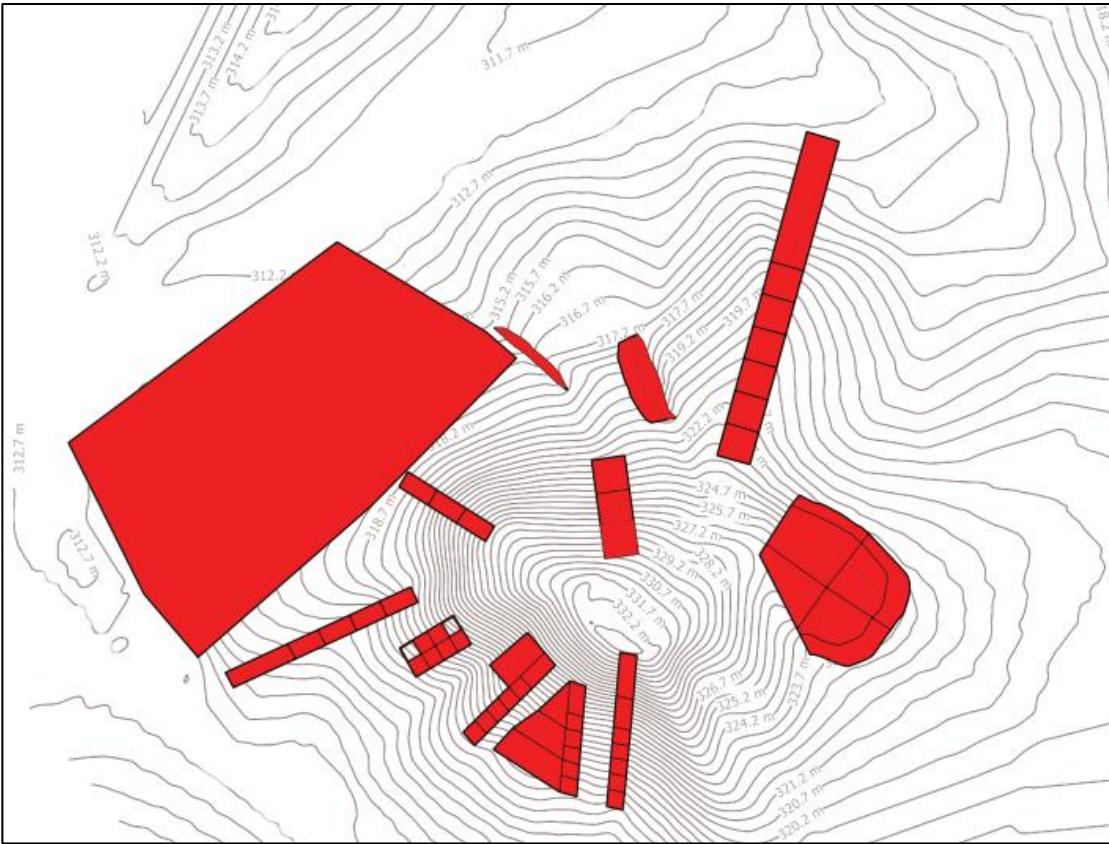
Obsidian geological sources: 1. Chikiani; 2. Arteni; 3. Ashotsk; 4. Gegham; 5. Gutansar; 6. Hatis; 7. Kecheldag; 8. Khorapor; 9. Syunik; 10. Tsaghkunyats; 11. Tendürek; 12. Súphan Dağ; 13. Nemrut Dağ; 14. Müş; 15. Meydan; 16. Bingöl-Solhan; 17. Bingöl-Alatepe; 18. Erzincan; 19. Erzurum; 20. İkizdere; 21. Kars-Diggor; 22. Kars-Arpaçay; 23. Sarıkamış; 24. Pasinler; 25. Erciyes; 26. Acıgöl; 27. Göllüdağı; 28. Nenezidagli; 29. Hasandağ.

Archaeological sites: **a. Wadi Debay'an (QNHER 141); b. Dosariyah; c. As-Sabiayah; d. Uruk / Warka; e. Tell Oueili; f. Al 'Ubaid; g. Eridu; h. Choga Mami; i. Kheit Qasim; j. Surezha; k. Khirbet Derek; l. Arpachiyah; m. Tepe Gawra; n. Umm Dabaghiyah; o. Tell Brak / Tell Majnuna; p. Tell Hamoukar / Khirbat al Fakhar; q. Tell Zeidan; r. Chagar Bazar; s. Khaznah; t. Hammam et Turkman; u. Kosak Shamali; v. Domuztepe; w. Hacinebi; x. Arslantepe.**

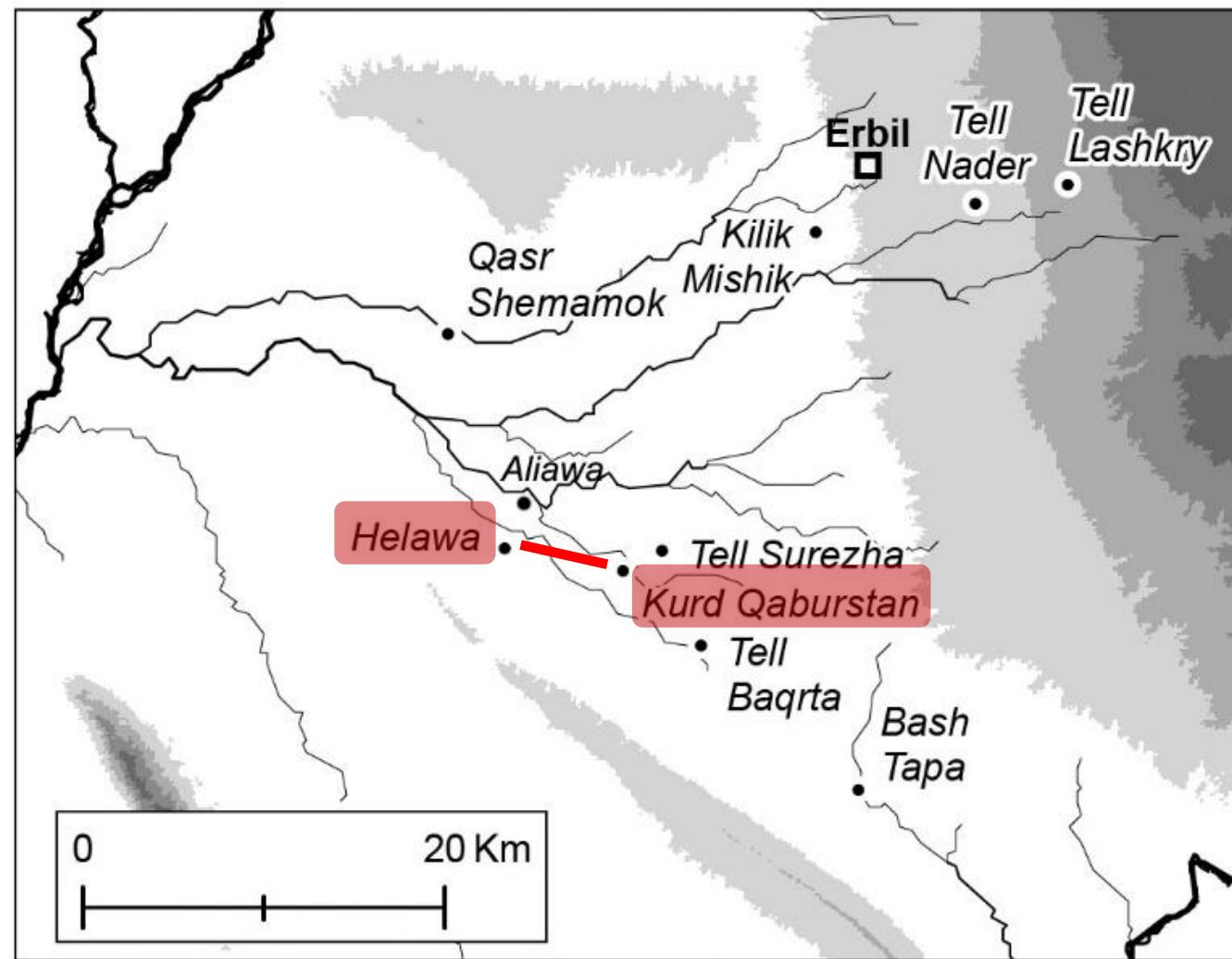
In bold, archaeological sites with obsidian artifacts studied in this paper

Peak of  
obsidian  
imports in  
Southern  
Mesopotamia  
(Pollock  
2001:181-231).

# Old Babylonian - Mittanian period at Helawa



# Old Babylonian - Mittanian period in the Erbil Plain



Kurd Qaburstan - Late Bronze Age structures (Schwartz 2017)



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Sapienza University of Rome

Luca Peyronel  
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Gioia Zenoni  
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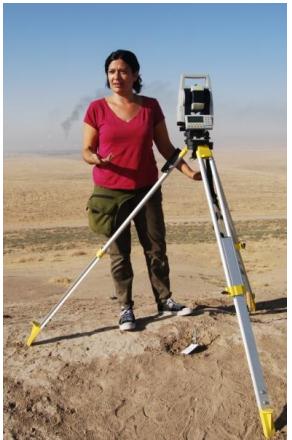
Valentina Oselini  
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