

A new Standard Wenlock Conodont Zonation

L. Jeppsson¹

A new standard conodont zonation for early and middle Wenlock is in manuscript. The late Homeric sequence too includes distinct faunas (the following text and tables should be read from below).

A full recovery occurred in the early Ludlow with return of e.g. *P. recurvatus*, *P. gracilis*, *P. serratus* and *K. o. absidata*.

Conodonts	Graptolites	Oceanic state
<i>O. c. densidentata</i> etc, few coniforms	(<i>P. vulgaris</i>) (<i>P. deubeli</i>)	Klinte S.'E.
Temporary recovery, diverse fauna	<i>P. praedeubeli</i>	Mulde
Very <i>O. excavata</i> dominates	<i>G. nassa</i> - <i>P. dubius</i>	Secundo-
low <i>P. equicostatus</i> dominates	<i>M. d. parvus</i>	Secundo
diversity <i>Pseudooneotodus</i> abund.	No graptoloids?	Event
faunas <i>O. excavata</i> dominates	Extinction	
	Topmost (10% ?) <i>M. testis</i>	
Extinctions	Extinctions?	
<i>O. s. sagitta</i> , high diversity	<i>C. lundgreni</i>	Hellvi S.E.

Chrono-stratigraphy	Oceanic Regime	Standard Conodont Zonation	Standard Graptolite Zonation	Geographic Occurrence			
				Gotland	Celion	Oklahoma Tennessee	N. S. Wales
W E N L O C K ? LLAN-DOVERY	Early Homeric	<i>O. s. sagitta</i> Zone	<i>C. lundgreni</i> Zone	"g" Pentamerus	15 13C	?	?
	Vallev. E.	<i>K. o. ortus</i> Zone	<i>C. ellesae</i> Zone	S	12D		
	Allekvia P. E.	post <i>K. walliseri</i> interregnum					
	Lansa S. E.	uppermost <i>K. walliseri</i> range		"g"	12D		?
	Boge Event			i	12D		
	Sanda P. E.	<i>K. patula</i> Zone	<i>C. rigidus</i> Zone	t	12B	?	?
		Middle <i>K. walliseri</i> Zone	<i>M. belophorus</i> Zone	f			?
		Lower <i>K. walliseri</i> Zone		e			
	Vattenfallet Secundo Episode	<i>O. s. rhenana</i> Zone	<i>M. antennularius</i> Zone	c	Tofta		
		Upper <i>K. ranuliformis</i> Zone	<i>M. riccartonensis</i> Zone	a	Högklint		
	Lower <i>K. ranuliformis</i> Zone	(<i>C. murchisoni</i>) Zone	d	Upper Visby			
	Upper <i>P. procerus</i> Zone	<i>C. centrifugus</i> Zone	c	Lower Visby			
	Lower <i>P. procerus</i> Zone	<i>C. insectus</i>	b				
	Upper <i>Ps. bicornis</i> Zone	(<i>C. sakmaricus</i>)	a				
	Lower <i>Ps. bicornis</i> Zone	(<i>C. lapworthi</i>)					
	Snipklint P. E.	<i>P. amorphognathoides</i> Zone	<i>M. spiralis</i> Zone		?		

¹ Dept. of Geol., Univ. of Lund, Sölvegatan 13, S-22362 Lund, Sweden