Fossil zones	European equivalents		Composite section Great Plains			Buffalo-Lake De Smet area		
Baculites grandis	Upper Cretaceous	Maestrichtian	Bearpaw shale			Lance formation (part)		Chiefly nonmarine rocks
Baculites compressus **Acanthoscaphites nodosus*						Bearpaw shale		Marine shale
Pachydiscus complexus		Campanian	Judith River formation			Parkman sandstone		Marine and nonmarine sandstone and shale
Baculites asperiformis			Claggett shale			Cody shale	Upper shale member	Marine shale
**Scaphites hippocrepis*			Eagle sandstone				Shannon sandstone member	Marine sandstone
Desmoscaphites bassleri		Santonian	Telegraph Creek formation				Sandstone and shale member	Marine sandstone and shale
Desmoscaphites erdmanni *Inoceramus lundbreckensis*			Niobrara formation	Smoky Hill chalk member			Niobrara shale member	Calcareous marine shale
Clioscaphites choteauensis								
Clioscaphites vermiformis *Inoceramus coulthardi*								
Scaphites depressus *Inoceramus stantoni*		Coniacian						
Scaphites ventricosus *Inoceramus umbonatus*								
Scaphites preventricosus **Inoceramus deformis*				Fort Hayes limestone member				Noncalcareous marine shale
Scaphites corvensis **Prionocyclus* aff. *P. reesidei*		Turonian		Sage Breaks member			Carlile shale member	Noncalcareous marine shale
Scaphites nigricollensis *Prionocyclus reesidei*				Turner sandy member				?
Scaphites whitfieldi **Prionocyclus wyomingensis*								Sandy marine shale
Scaphites warreni *Prionocyclus macombi*								?
Scaphites carlilensis *Collignoniceras hyatti*				Blue Hill shale member				
Scaphites larvaeformis *Collignoniceras woollgari*				Fairport chalky shale member				
Watinoceras reesidei **Inoceramus labiatus*			Greenhorn formation	Pfeifer limestone member			Greenhorn calcareous member	Marine sandstone; Calcareous marine shale
Sciponoceras gracile **Metoicoceras whitei*				Jetmore chalk member			Lower shale member	Noncalcareous marine shale
Dunveganoceras aff. *D. albertense*		Cenomanian		Hartland shale member		Frontier formation		Marine shale and sandstone
Dunveganoceras pondi **Metoicoceras praecox*				Lincoln limestone member				Marine sandstone
**Acanthoceras?* sp. A			Belle Fourche shale					Sandy marine shale
**Acanthoceras? amphibolum*								
Calycoceras sp.								Marine shale
**Neogastroplites wyomingensis*	Lower Cretaceous	Albian (part)	Mowry shale			Mowry shale		Siliceous marine shale
Gastroplites americanus								

Zones indicated by an asterisk (*) were found near Buffalo, Wyoming

Note: Chart from Cobban, W. A., and Reeside, J. B., Jr., (1952, p. 1958-59) and from unpublished data compiled by W. A. Cobban

COMPARISON OF FOSSIL ZONES IN UPPER CRETACEOUS MARINE ROCKS OF THE BUFFALO-LAKE DE SMET AREA WITH THOSE FOUND ELSEWHERE ON THE GREAT PLAINS

484884 O - 59 (In pocket)