STRATIGRAPHIC DISTRIBUTION OF MICROFOSSILS IN GUBIK TEST WELLS 1 AND 2, NORTHERN ALASKA

EXPLANATION

- 3 — Number of specimens (less than 12)
- C — Common specimens (12-25)
- A — Abundant specimens (26-50)
- V — Very abundant specimens (more than 50)
- f — Fragment
- P — Present
- ? — Questioned occurrence
- B — Barren
- N — Not sampled
- X — No recovery

GUBIK TEST WELL 1

FORAMINIFERA AND RADIOLARIA* / OTHER FOSSILS

Geologic age / Rock unit / Faunal zone:
- Pleis. — Gubik Fm.: 0 – 75 to about 125 – 135
- Late Cretaceous, Senonian — Schrader Bluff Formation: about 155 – 165 to 875 – 885
- Late Cretaceous, Senonian — Prince Creek Formation–Tuluvak Tongue: 900 – 910 to 1,723 – 1,738
- Late Cretaceous, Turonian — Seabee Formation: 1,738 – 1,790 to 3,290 – 3,300
- Early to Late Cretaceous, Late Albian to Cenomanian — Chandler and Ninuluk Formations undifferentiated: 3,310 – 3,320 to 3,790
- Early Cretaceous, Middle to late Albian — Tuktu and Grandstand Formations undifferentiated: 3,805 – 3,810 to 4,310
- Early Cretaceous, Middle to late Albian — Torok Formation: 4,325 – 4,330 to 5,990 – 6,000
- Faunal zone *Verneuilinoides borealis*: from about 3,805 down through the Torok Formation (dashed below about 5,441)

Core	Depth (feet)	Barren, B; no recovery, X; not sampled, N	Nonionella taylorensis Hofker	Praebulimina venusae (Nauss)	Gavelinella tumida Brotzen?	Eponides sp.	Anomalinoides pinguis (Jennings)	*"Zonodiscus" sp. C (pyritic casts)	*Cenosphaera (Cenosphaera) sp. A	*Spongurus (Spongurantha) sp. B	*Spongodiscus (Spongodiscus) sp. B	*Spongodiscus (Spongodiscus) sp. C	*Archicorys sp.	Dorothia smokyensis Wall?	*Dictyomitra cf. D. multicostata Zittel	Trochammina diagonis (Carsey)	Trochammina whittingtoni Tappan	Quinqueloculina sphaera Nauss	Eoeponidella linki Wickenden	*Cenosphaera (Phormosphaera) sp. B	*Sethocyrtis	*Dictyomitra sp. (pyritic casts)	Verneuilinoides fischeri Tappan	Trochammina ribstonensis Wickenden	Haplophragmoides rota Nauss	*"Zonodiscus" sp. A (pyritic casts)	*Theocampe? sp. (pyritic casts)	Praebulimina seabeensis Tappan	Gaudryina irenensis Stelck and Wall?	Saccammina lathrami Tappan	Miliammina bisobscura Stelck and Wall?	Verneuilinoides borealis Tappan	Trochammina cf. T. gatesensis Stelck and Wall	Bathysiphon brosgei Tappan	Haplophragmoides topagorukensis Tappan	Gaudryina canadensis Cushman	Reophax troyeri Tappan	Miliammina ischnia Tappan	Trochammina umiatensis Tappan	Gaudryinella irregularis Tappan	Valvulineria loetterlei (Tappan)	Ammobaculites wenonahae Tappan?	Siphotextularia? rayi Tappan	"Tritaxia" manitobensis Wickenden	Psamminopelta bowsheri Tappan	Conorboides umiatensis (Tappan)	Ammodiscus rotalarius Loeblich and Tappan	Frondicularia guestphalica Reuss	Lenticulina macrodisca (Reuss)	Globulina lacrima canadensis Mellon and Wall	Praebulimina nannina (Tappan)?	Marginulina gatesi Tappan?	Globorotalites alaskensis Tappan	Ostracode	Inoceramus prisms	Fishbone fragments	Ditrupa cornu Imlay
	0 – 75	N
	75 – 85	B
	95 – 105	B
	125 – 135	B
	155 – 165	B
	185 – 195	B
	215 – 225	B
	245 – 255	B
	275 – 285	B
	305 – 315	B
	335 – 345		1	2	3	1	1
	355 – 365				1	1	1
1	365 – 375	B
1	375 – 385		2					?1																																														1
	385 – 395	B
	415 – 425	B
	445 – 455	B
	475 – 485	B
	495 – 505					1																																																	P
	525 – 535								C	2	C	C	5																																										P
	555 – 565											2																																											P
	585 – 595													?3																																									P
	615 – 625	B
	645 – 655							?1						?1
	675 – 685					?1	1		1			?1		6	?2																																								P
	705 – 715						3							1
2	731 – 741													A		?C
2	741 – 751	B
	735 – 745	B
	755 – 765	B
	785 – 795								6				1																																										P
	815 – 825								1				1																																										P
	835 – 845						C					2	1	1	1		?2	2	1	1	1																																		P
	855 – 865					2	3						2																																										P
	875 – 885								2	3	1		3		1							2
	900 – 910	B
	930 – 940	B
	960 – 970	B
	990 – 1,000	B
	1,020 – 1,030																																																						P
	1,050 – 1,060	B
	1,070 – 1,080	B
3	1,086 – 1,096	B
3	1,096 – 1,106	B
	1,115 – 1,125																						?2
	1,135 – 1,145																						?1
4	1,156 – 1,163	B
5	1,163 – 1,175	B
	1,185 – 1,195											1								1			?1
6	1,218 – 1,223	B
6	1,223 – 1,238	B
	1,258 – 1,268																			?2			?1	6																															P
	1,268 – 1,328	N
	1,328 – 1,338	B
	1,338 – 1,348	B
	1,348 – 1,388	B
	1,388 – 1,398	B
	1,408 – 1,418	B
	1,418 – 1,444	N
7	1,444 – 1,457																																																						P
8	1,457 – 1,460	B
9	1,469 – 1,475	B
10	1,475 – 1,485	B
10	1,485 – 1,495	B
	1,495 – 1,535	N
	1,535 – 1,545	B
	1,575 – 1,585	B
	1,585 – 1,655	N
	1,655 – 1,665	B
	1,665 – 1,711	N
11	1,711 – 1,718																																																						P
12	1,723 – 1,738																																																						P
	1,738 – 1,790	N
	1,790 – 1,800	B
	1,800 – 1,856	N
13	1,856 – 1,877	B
14	1,877 – 1,897	B
	1,910 – 1,920																								?C
	1,950 – 1,960																							3	?4
	1,990 – 2,000																3								C
	2,010 – 2,030							2																	2	1
	2,060 – 2,110	B
	2,160 – 2,170	B
15	2,185 – 2,200	B
	2,210 – 2,220																																																							P
	2,250 – 2,260															?1																																							P	P
	2,290 – 2,300	B
	2,330 – 2,340	B
	2,340 – 2,430	N
	2,430 – 2,440															?1																																							P
	2,460 – 2,470				?2										1											3
	2,490 – 2,499							1
16	2,499 – 2,509	B
16	2,509 – 2,519	B																																																					P	P
	2,520 – 2,530																																																							P
	2,550 – 2,560																							?3																															P
	2,570 – 2,580																																																						P
	2,600 – 2,610	B
17	2,620 – 2,639	B
18	2,639 – 2,649	B																																																					P	P
18	2,649 – 2,659	B																																																					P
	2,670 – 2,680							?1																?1		1
	2,700 – 2,710																							1
19	2,723 – 2,733	B
19	2,733 – 2,743	B
	2,750 – 2,760																							1
	2,780 – 2,790										5
	2,810 – 2,820										2
	2,830 – 2,840								2											4
20	2,840 – 2,860	B
	2,860 – 2,870	B
	2,900 – 2,910							4														1					4																												P	P
	2,920 – 2,930																					1																																		P
21	2,954 – 2,964																																																						P
21	2,964 – 2,974																						?5					1																											A
	2,980 – 2,990	B
	3,000 – 3,010																																																						P
	3,020 – 3,030														1																																								P
	3,040 – 3,050							4
22	3,051 – 3,070													?5																																									P
	3,080 – 3,090	B
	3,120 – 3,130	B																																																					P
	3,140 – 3,150	B
23	3,169 – 3,186	X																																																					P
	3,190 – 3,200	B
	3,210 – 3,220	B
	3,230 – 3,240	B																																																					P
24	3,261 – 3,271	B
24	3,271 – 3,281	B
	3,290 – 3,300	B
	3,310 – 3,320																												C	C
25	3,342 – 3,352							2																					1	C	3
25	3,352 – 3,362	B
	3,370 – 3,380	B
	3,390 – 3,400	B
	3,410 – 3,420	B
	3,420 – 3,430	B
26	3,435 – 3,445	B
26	3,445 – 3,455	B
27	3,455 – 3,466	B
	3,466 – 3,476	B
28	3,485 – 3,492	B
28	3,492 – 3,502	B
29	3,502 – 3,509	B
29	3,509 – 3,519	B
30	3,519 – 3,529	B
30	3,529 – 3,535	B
31	3,535 – 3,545	B
31	3,545 – 3,555	B
32	3,555 – 3,565	B
33	3,567 – 3,577	B
33	3,577 – 3,586	B
34, 35	3,586 – 3,602	B
	3,613 – 3,623	B
	3,633 – 3,643	B
Core bit	3,657	B
	3,680 – 3,685																																																							P
	3,695 – 3,700	B
36	3,702 – 3,707	B
	3,715 – 3,720	B
	3,735 – 3,740																													1		1
	3,750 – 3,760	B
37	3,762 – 3,772	B
37	3,772 – 3,782	B
38	3,782 – 3,783	B
	3,790	B
	3,805 – 3,810																													3		6
	3,825 – 3,830																															4	?2																						P	P
	3,845 – 3,850																														1	C	?C	4f	9	1																			P		P
	3,865 – 3,870							5																								9	?9				5
	3,885 – 3,890							1																							1	C	?C	f	C	1	1	1	3
	3,900 – 3,910							7																								5	?A					2	C	C	?C														P
39	3,900 – 3,910							C																						C	?6	C	?V		C	?6	C	C	A	9	?C	3	3	2	2
39	3,910 – 3,920							1																						6		A	?A		C	3	10	1	C		B	2
	3,925 – 3,930																															C	?V					1	4	6				2											P
	3,945 – 3,955																													4		2	?C								2f			2												P
	3,965 – 3,975																															1	1												1
	3,990 – 3,995							2																						3		6	9					3	2							3
	4,010 – 4,015																															2	5					1	1
40	4,020 – 4,034							1																								4			1										3
	4,030 – 4,040							1																								2	4					2	1
	4,050 – 4,060																															1	5
	4,070 – 4,080																															1	4
	4,090 – 4,100																															4	7									2f
	4,110 – 4,120	B
41	4,130 – 4,143	B
	4,150																															5	2														1
	4,160 – 4,170																													2		3	2
	4,180 – 4,190																															7	4									Bf
	4,200 – 4,210	B																																																					P	P
	4,220 – 4,230	B																																																					P
	4,240 – 4,250	B
42	4,261 – 4,271																																															1
42	4,271 – 4,281	B
43	4,281 – 4,291	B
44	4,290 – 4,295	B
44	4,295 – 4,305	B																																																							P
	4,310	B																																																					P
	4,325 – 4,330																																			1
	4,345 – 4,350																																4			1
45	4,352 – 4,372																													4					V			1				3
	4,375							2														C										1	3
	4,390 – 4,395							2														5											3		1		2
	4,410 – 4,415																					5										3	C		C		2				1	2							2
	4,430 – 4,435																															6	7								?1
	4,450 – 4,455																					1										2	4
	4,470 – 4,480	B
	4,490 – 4,500																																1
	4,510 – 4,520																															3
	4,530 – 4,540																																1
46	4,543 – 4,553	B
46	4,553 – 4,563	B
	4,570	B
	4,580 – 4,590																																?4
	4,600 – 4,610																																?3		1
	4,620 – 4,630																																?4								1
	4,640 – 4,650							1																								5	?5				1
	4,660 – 4,670							1																									?2		3
	4,680 – 4,690																															1	6			?2
	4,700 – 4,710																															1	2		1
	4,720 – 4,730																													1		f	2
47	4,735 – 4,746																													1
48	4,746 – 4,756	X
	4,770 – 4,780																															1
	4,790 – 4,800							2																						3			?3			1		1
	4,810 – 4,820	B
	4,830 – 4,840	B
	4,850 – 4,860	B
	4,890 – 4,900																													1		2	2
	4,910 – 4,920	B
	4,930 – 4,940																															1
	4,950 – 4,960																																?1			?2										2
	4,970 – 4,980																																4		4															1	1				P	P
	4,990 – 5,000																																4			1
	5,010 – 5,020																													?1						?2
	5,030 – 5,040	B
	5,050 – 5,060																													?1		4	?3
	5,070 – 5,080																													?2		1	4					?1																		P
49	5,100 – 5,115																													6		C		1	C	1		?3		B	1			2		4							1
	5,130 – 5,140																																1			?1																				P
	5,150 – 5,160	B																																																						P
	5,170 – 5,180	B
	5,190 – 5,200																																?4			?2								3
	5,210 – 5,220							1							1																	1	1																				1		P	P
	5,230 – 5,240							1							1																	6	5		1																	1				P
	5,250 – 5,260																															10	?6			?2		1
	5,270 – 5,280														1																	V	9		C									?2		5				?2	1	3
	5,290 – 5,300																															1
	5,310 – 5,320																															2	?B													1
	5,330 – 5,340																															3	?4				?1																3
	5,350 – 5,360																															3	?11											?1							1		3
	5,370 – 5,380																															7	2					?3		?1	1
	5,390 – 5,400																															3
	5,410 – 5,420																																6							1
50	5,441 – 5,458																															?2														1							1
51	5,458 – 5,468																															?7	3																						P
	5,470 – 5,480																																?6			1
	5,490 – 5,500							1																									?2			?2
	5,510 – 5,520							1																								5	V
	5,530 – 5,540																															2	1
	5,550 – 5,560																															1	4	?1			1
	5,570 – 5,580																																B																				1
	5,590 – 5,600	B
	5,610 – 5,620																															?3	?6
	5,650 – 5,660																															5	?7			?1																				P
	5,670 – 5,680																															1	?2			?3
	5,690 – 5,700																																?3			?3																	1
	5,710 – 5,720																															2				?2f																	1
52	5,748 – 5,758	B
52	5,758 – 5,768							5														3						C				?3	1
	5,770 – 5,780																																																							P
	5,790 – 5,800
	5,810 – 5,820
	5,830 – 5,840																																		1
	5,850 – 5,860																															?2																							P	P
	5,870 – 5,880																															1
	5,890 – 5,900																															5	?3			?2f
	5,910 – 5,920																															?2						1																	P
	5,930 – 5,940																																																						P
	5,950 – 5,960																																																						P
	5,970 – 5,980																															?2	4																						P
53	5,982 – 5,990
53	5,990 – 6,000																															?2	4			f		?1								1

GUBIK TEST WELL 2

FORAMINIFERA AND RADIOLARIA* / OTHER FOSSILS

Geologic age / Rock unit / Faunal zone:
- Pleis. — Gubik Fm.: 0 – 160 to about 220
- Late Cretaceous, Senonian — Schrader Bluff Formation: about 250 to 1,141
- Late Cretaceous, Senonian — Schrader Bluff and Prince Creek Formations interbedded: 1,142 – 1,153 to about 2,030 – 2,040
- Faunal zone *Arenobulimina torula* and *Pseudoclavulina hastata*: about 2,129 – 2,145 to 2,210 – 2,218
- Late Cretaceous, Turonian — Seabee Formation: about 2,069 – 2,079 to 3,605 – 3,610
- Early to Late Cretaceous, Late Albian to Cenomanian — Chandler and Ninuluk Formations undifferentiated: 3,620 – 3,630 to about 4,025 – 4,030
- Early Cretaceous, Middle to late Albian — Tuktu and Grandstand(?) Formations undifferentiated: 4,031 – 4,037 to 4,373 – 4,383
- Early Cretaceous, Middle to late Albian — Torok(?) Formation: 4,395 to 4,600 – 4,620
- Faunal zone *Verneuilinoides borealis*: from about 4,037 down to the base of the well

Core	Depth (feet)	Barren, B; no recovery, X; not sampled, N	Dorothia smokyensis Wall?	Anomalinoides pinguis (Jennings)	Nonionella taylorensis Hofker	Praebulimina venusae (Nauss)	Gavelinella tumida Brotzen	Eponides sp.	Haplophragmoides rota Nauss	*Spongodiscus (Spongodiscus) sp. A	*Cenosphaera (Cenosphaera) sp. A	*"Zonodiscus" sp. C (pyritic casts)	*Spongodiscus (Spongodiscus) sp. B	*Archicorys sp.	*Spongurus (Spongurantha) sp. A	*Dictyomitra sp. (pyritic casts)	Trochammina whittingtoni Tappan?	Anomalinoides talaria (Nauss)	Trochammina ribstonensis Wickenden?	Saccammina lathrami Tappan	Gaudryina sp.	Miliammina sp.	Arenobulimina torula Tappan	Pseudoclavulina hastata (Cushman)	Praebulimina seabeensis Tappan	*"Zonodiscus" sp. A (pyritic casts)	Gaudryina irenensis Stelck and Wall?	Trochammina diagonis (Carsey)?	Neobulimina albertensis (Stelck and Wall)	Gaudryina canadensis Cushman	Haplophragmoides topagorukensis Tappan	Verneuilinoides borealis Tappan	Miliammina manitobensis Wickenden	Trochammina? sp.	Ammobaculites wenonahae Tappan	Pallaimorphina ruckerae Tappan	Eponides morani Tappan?	Miliammina ischnia Tappan	Psamminopelta bowsheri Tappan	Trochammina umiatensis Tappan	Reophax troyeri Tappan	Valvulineria loetterlei (Tappan)	Lenticulina macrodisca (Reuss)	Inoceramus prisms	Ostracode	Trapa? microphylla Lesquereux	Ditrupa cornu Imlay
	0 – 160	N
	160	B
	180																																												P
	200		?3	1																																								P
	220																																												P
	250			2
	270			1
	290	B
	310			1
1	310 – 320	B
1	320 – 330	B																																										P
	335	B
	360	B
	380	B
	400																																												P
	420	B
	440	B
	460	B
	480	B
	500			1
	520	B
	540																																												P
	560	B
	580				1	2	1	?1																																				P
	600	B
	620	B
	640			?1																																								P
	660								5																																			P
	680	B
	700	B
	720					3
	740					4
	760		3		2	10	1			1		1																																P
	780					1					C	1	C	8
	800		?4			1						1
2	800 – 810	B
2	810 – 820		C						2
	830		3						1																																			P
	850								2
	870	B
	890										3		2
	910	B
	940		f								?3		1
	970			1							2
	1,000										C		C
	1,030		?2			1					3	1	2	1
	1,060			?1							C		3	5	C	1
	1,090		?2			4		4				?1	1		2	1	?4	?3
	1,120				2	1		7			8			1	1			?3																											1
	1,141	B
3, 4	1,142 – 1,153	B
5	1,153 – 1,161	B
6	1,161 – 1,171	B
7	1,171 – 1,181								7										?3
8	1,181 – 1,191																	1
9	1,191 – 1,201	B																																												P
10	1,201 – 1,211	B
11	1,211 – 1,218																		?2
12	1,218 – 1,226	B
12	1,226 – 1,236	B
13	1,236 – 1,256	B
	1,246								3											1
	1,280		2										4
	1,300		4						C							1
14	1,305 – 1,315																		?4		?6f
15	1,315 – 1,320	X
16	1,320 – 1,340	B
	1,330		3
17	1,340 – 1,351																		C		A
17	1,351																		A		V	2
18	1,353 – 1,363	B
18	1,363 – 1,373	B
19	1,373 – 1,383	B
19	1,383 – 1,393	B
20	1,392 – 1,402	B
	1,405										1										2
	1,430	B
21	1,430 – 1,445	B
22	1,445 – 1,462	B
23	1,462 – 1,472	B
23	1,472 – 1,482	B
24	1,482 – 1,492						8												A		?8
24	1,492 – 1,502																		C
25	1,502 – 1,512	B
26	1,512 – 1,522	B
27	1,522 – 1,532	B
28	1,532 – 1,542	B
29	1,542 – 1,552	B
30, 31	1,552 – 1,558	B
32	1,558 – 1,568	B
33	1,568 – 1,578	B
34	1,578 – 1,580								?6										2	2	?3
	1,590	B
	1,620 – 1,625								?2			3									?3
	1,650 – 1,655								?3				2
35	1,669 – 1,676	B
36	1,676 – 1,686	B
	1,680	B
37, 38	1,686 – 1,700	X
	1,700	B
39	1,700 – 1,706	B
40	1,706 – 1,713	B
40	1,713 – 1,722	B
41	1,722 – 1,731	B
42	1,731 – 1,737																?C			C
43	1,806 – 1,813	X
	1,740 – 1,745	B
	1,770 – 1,775	B
	1,800 – 1,805	B
44	1,813 – 1,820	B
45	1,820 – 1,826	B
46	1,826 – 1,836	B
47	1,836 – 1,841	B
48	1,841 – 1,848	B
49	1,848 – 1,858	B
49	1,858 – 1,868	B
50	1,868 – 1,880	B
51	1,880 – 1,885	B
52	1,915 – 1,925																																													P
52	1,925 – 1,935	B
53	1,935 – 1,945	B
53	1,945 – 1,955	B
54	1,955 – 1,960	B
55	1,960 – 1,970	B
55	1,970 – 1,980	B
56	1,980 – 1,984	B
	2,000 – 2,005	B
	2,030 – 2,040	B
57	2,069 – 2,079	B
58	2,079 – 2,089								3														2
59	2,089 – 2,099								C				?2										1
59	2,099 – 2,109	B
60	2,109 – 2,119	B
60	2,119 – 2,129	B
61	2,129 – 2,145																							2f
62	2,145 – 2,146								?7															f
	2,160 – 2,165								?2														1
63	2,170 – 2,180								A				?2											7f	6
64	2,180 – 2,190								A			3	?7										5	3f	C	C
65	2,190 – 2,200								A														5	3f	2
66	2,200 – 2,210								A														1	9f	2
67	2,210 – 2,218								A															5	1
	2,240 – 2,250	B
	2,290 – 2,300								1
	2,320 – 2,325								9			2														4
	2,345 – 2,355			1					1									1
	2,370 – 2,380								?3
	2,400 – 2,410								4								2
	2,450 – 2,460										1			1
	2,480 – 2,488			?1					?4
	2,500 – 2,510	B
	2,540 – 2,550								?2		?1
	2,580 – 2,590
	2,600 – 2,610	B
	2,640 – 2,650	B																																										P
	2,670 – 2,680																									1
	2,700 – 2,710	B
	2,740 – 2,750	B
	2,770 – 2,780	B
	2,800 – 2,810	B
	2,840 – 2,850																1																											P
	2,870 – 2,880								f																																			P
	2,900 – 2,910	B
	2,940 – 2,950	B
	2,975 – 2,985																																												P
	3,000 – 3,005	B
	3,030 – 3,040														C
	3,060 – 3,070	B
	3,085 – 3,095	B
68	3,100 – 3,110																										?C	A
69	3,110 – 3,120	B
70	3,120 – 3,126	B
	3,130 – 3,140								1			6
	3,150 – 3,155								3			C
	3,170 – 3,175								?1			1					1
	3,190 – 3,200	B
	3,220 – 3,225								?2		3																																	P
	3,240 – 3,245								?2		1	6
	3,260 – 3,270											1																																P
	3,290 – 3,295																																												P
	3,310 – 3,315								?2
71	3,324 – 3,333	B
72	3,335 – 3,343																																												P
73	3,343 – 3,353	B
74	3,353 – 3,363	B
75	3,363 – 3,368																			?1									4															P
76	3,368 – 3,380																			3									C															P
77	3,380 – 3,390																																												P
77	3,390 – 3,400	B
	3,405 – 3,410	B
	3,425 – 3,430											C																																P
	3,445 – 3,450																																												P
	3,465 – 3,475																																												P
78	3,480 – 3,490	B
79	3,490 – 3,500	B
80	3,500 – 3,510																																												P
81	3,510 – 3,518																																												P
82	3,518 – 3,528	B
83	3,528 – 3,537	B
84	3,537 – 3,540	B
	3,545 – 3,550																																												P
	3,565 – 3,570																																												P
	3,585 – 3,590																																												P
	3,605 – 3,610																			10																								P
85	3,620 – 3,630											2							C	C		2					A
85	3,630 – 3,640											1							?2								2
86	3,640 – 3,650	B
86	3,650 – 3,660	B
87	3,660 – 3,669	B
88, 89	3,672 – 3,684	B
90	3,684 – 3,692	B
91	3,692 – 3,702	B
92, 93	3,702 – 3,714	B
94	3,714 – 3,724	B
94	3,724 – 3,734	B
95	3,734 – 3,748	B
96	3,748 – 3,758	B
96	3,758 – 3,768	B
97	3,768 – 3,777	B
98	3,777 – 3,781	B
99	3,787 – 3,796	X
100	3,796 – 3,809	B
101	3,809 – 3,819	B
101	3,819 – 3,829	B
102	3,829 – 3,839	B
102	3,839 – 3,848	B
103	3,848 – 3,858	X
104	3,858 – 3,868	B
104	3,868 – 3,872	B
105	3,872 – 3,882	B
105	3,882 – 3,892	B
106	3,892 – 3,902	B
106	3,902 – 3,912	B
107, 108	3,912 – 3,918	B
	3,918 – 3,928	B
	3,940																																												P
	3,966	B
109	3,967 – 3,987	B
110	3,987 – 3,995	B
	4,005 – 4,010	B
	4,025 – 4,030											1								1										?f	1	2	2
111	4,031 – 4,037	B
111	4,037 – 4,048																			f														?2
112	4,048 – 4,049	B
113, 114	4,058 – 4,060																																															P
115	4,060 – 4,075																			?4											C	4			10f	1	1
	4,080 – 4,085																														3
	4,105 – 4,110																														1													P
	4,125 – 4,130											1																				3						1						P
	4,150											1								1											8	C				1	?1	2						P
	4,180											1																				6						1		?C
	4,210											7																		2f	5	C			4f					?C	Cf	4		P			P
	4,225 – 4,230											1																				5		9	3f					C	1
116	4,230 – 4,243											5				1															6	4							5	1
117	4,243 – 4,253	B
117	4,253 – 4,261	B
	4,265																																		4
	4,290																			2											5	6	?3		2f					2	3f
118	4,303 – 4,313	B
118	4,313 – 4,323	B
119	4,323 – 4,336	B
120	4,336 – 4,340	B
120	4,340 – 4,350	B
121	4,350 – 4,360																														?2	2	?2	2
121	4,360 – 4,370	B
122	4,370 – 4,373																														1	3
122	4,373 – 4,383	B
	4,395																														?1		?1		?f									P
123	4,399 – 4,408																																2
123	4,408 – 4,418																			?1												3
	4,418 – 4,430																																f		3
	4,435																																		1	f								1
	4,465																																		1
	4,485 – 4,490	B
124	4,502 – 4,512	B
124	4,512 – 4,522	B
	4,525 – 4,530																														2f		2f
	4,540 – 4,550	B
	4,560 – 4,565																																2		8										P
125	4,600 – 4,620	B

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