

Appendix 2. Ichthyolith (sorted by location) database																										
GSC Specimen No.	PE Fig. no.	Spec	CUIIS identification (a/b/c/d only)	Ichthyolith	Shell-Angle well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)	
do not delete row			last update: 2004-11-30					0.3048																		
		good	a9/b1,5/c1/d1	"shadowed high inline cone"	Apollo J-14	3980	3990	1213.1	1216.2										X	Pliocene and upper Miocene		lower Pliocene		lower Pliocene	bathyal	
		?frag	a9/b1,5/c1/d1	narrow tall triangle, irregular threaded inline? new subtype	Apollo J-14	3990	4030	1216.2	1228.3									X	x	upper Miocene and Pliocene		lower Pliocene		lower Pliocene	bathyal	
		good	a9/b1,5/c1/d1	"shadowed high inline cone"	Apollo J-14	4060	4080	1237.5	1243.6										X	Pliocene and upper Miocene		upper Miocene		lower Pliocene	bathyal	
124699	93.2.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form F	Apollo J-14	4120	4130	1255.8	1258.8											upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
		good	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	4140	4160	1261.9	1268.0										X	upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
		frag	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	4140	4160	1261.9	1268.0										X	upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
124518	14.3.1 and 14.3.2	spec	a4/b6+8/c1/d2+8	Raja sp. A	Apollo J-14	4200	4230	1280.2	1289.3										X	upper Miocene and Pliocene	frequently inhabit cool shelf waters	upper Miocene		lower Pliocene	bathyal	
		spec		unidentified cone tooth	Apollo J-14	4200	4230	1280.2	1289.3											upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
124657	76.2.1	good	a9/b1,5/c1/d1	"shadowed high inline cone"	Apollo J-14	4230	4260	1289.3	1298.4										X	Pliocene and upper Miocene		upper Miocene		lower Pliocene	bathyal	
		spec	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	Apollo J-14	4230	4260	1289.3	1298.4										X	x	upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal
		good	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	4230	4260	1289.3	1298.4										X	upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
124660	77.3.1	good	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	4290	4320	1307.6	1316.7										X	upper Miocene and Pliocene		upper Miocene		lower Pliocene	bathyal	
124519	14.4.1	frag?	a4/b6+8/c1/d2+8	Raja? sp.	Apollo J-14	4500	4530	1371.6	1380.7										X	upper Miocene and Pliocene	frequently inhabit cool shelf waters	upper Miocene		lower Pliocene	bathyal	
124640	70.2.1	spec	a9/b1,5/c1/d1	small pointed triangle Tway, Doyle, and Riedel, 1985	Apollo J-14	4500	4530	1371.6	1380.7											mixed interval, reworked?	middle Eocene through upper Oligocene	upper Miocene		lower Pliocene	bathyal	
		spec	a9/b1/c1/d1	triangle chisel-top new subtype	Apollo J-14	4850	4880	1478.3	1487.4										X	Miocene		upper Miocene		lower Pliocene	bathyal	
124610	49.1.1	good	a9/b5+8(c9,13)+19/d9,13)+19	cf. triangle notched corner Doyle, Kennedy, and Riedel, 1974	Apollo J-14	5000	5015	1524.0	1528.6										x	mixed interval, reworked?	upper Eocene to Oligocene/ Miocene boundary	upper-lower Miocene		Miocene	bathyal	
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Apollo J-14	5000	5015	1524.0	1528.6										X	Miocene		upper-lower Miocene		Miocene	bathyal	
124691	88.1.1	spec	a9/b1/c1/d1	undescribed cone tooth Form A	Apollo J-14	5000	5015	1524.0	1528.6											Miocene		upper-lower Miocene		Miocene	bathyal	
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Apollo J-14	5160	5170	1572.8	1575.8										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
124679	84.1.1	good	a9/b5/c1/d1	cf. long triangle stepped margin Doyle, Kennedy, and Riedel, 1974	Apollo J-14	5490	5500	1673.4	1676.4										X	Pliocene and upper Miocene	latest Miocene to Recent	upper-lower Miocene		Miocene	upper bathyal	
124690	87.1.1	spec	a9/b5/c1/d1	cf. triangular triangle Kozarek and Orr, 1980	Apollo J-14	5490	5500	1673.4	1676.4										x	x	Miocene	Oligocene to Quaternary	upper-lower Miocene		Miocene	upper bathyal
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Apollo J-14	5490	5500	1673.4	1676.4										X	x	Miocene		upper-lower Miocene		Miocene	upper bathyal
		frag	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	5490	5500	1673.4	1676.4										X	upper Miocene and Pliocene		upper-lower Miocene		Miocene	upper bathyal	
		frag	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Apollo J-14	5520	5530	1682.5	1685.5										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
124686	85.6.1	frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Apollo J-14	5560	5570	1694.7	1697.7										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
		spec	a9/b1/c1/d1	undescribed cone tooth Form A	Apollo J-14	5610	5620	1709.9	1713.0											Miocene		upper-lower Miocene		Miocene	upper bathyal	
		frag	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Apollo J-14	5690	5700	1734.3	1737.4										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
		spec	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	Apollo J-14	5690	5900	1734.3	1798.3										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Apollo J-14	5900	5910	1798.3	1801.4										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
124658	77.1.1	good	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Apollo J-14	5900	5910	1798.3	1801.4										X	upper Miocene and Pliocene		upper-lower Miocene		Miocene	upper bathyal	
124609	48.2.1, 48.2.2	spec	a9/b1/c1/d1	triangle chisel-top new subtype	Apollo J-14	6320	6340	1926.3	1932.4										X	Miocene		upper-lower Miocene		Miocene	upper bathyal	
		?fair cap	a9/b1,5/c11,12/d20	angled cone and basal canals? new subtype	Apollo J-14	7960	7980	2426.2	2432.3					X						Oligocene-upper Eocene; reworked into Miocene strata				Miocene	upper bathyal	
		?frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline? new subtype	Apollo J-14	8040	8060	2450.6	2456.7										X	Miocene				Miocene	upper bathyal	
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Apollo J-14	8240	8260	2511.6	2517.6										X	Miocene		lower Pliocene		Miocene	upper bathyal	
		frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	Apollo J-14	8420	8430	2566.4	2569.5										X	Miocene		lower Pliocene		pos. lower Miocene	bathyal	
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Apollo J-14	8460	8470	2578.6	2581.7										X	Miocene		lower Pliocene		pos. lower Miocene	bathyal	

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		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Apollo J-14	8460	8470	2578.6	2581.7									X	Miocene		lower Pliocene		pos. lower Miocene	bathyal
		?frag	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline?</i> new subtype	Apollo J-14	8560	8570	2609.1	2612.1									X	Miocene		lower Pliocene		pos. lower Miocene	bathyal
		frag	a9/b1/c1/d1	<i>triangle chisel-top</i> new subtype	Apollo J-14	8560	8570	2609.1	2612.1									X	Miocene		lower Pliocene		pos. lower Miocene	bathyal
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Apollo J-14	8570	8580	2612.1	2615.2									X	Miocene		lower Pliocene		pos. lower Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>shadowed curved blunt triangle</i> new subtype	Apollo J-14	8580	8590	2615.2	2618.2									X	upper Miocene and Pliocene		lower Pliocene		pos. lower Miocene	bathyal
124659	77.2.1	good	a9/b1,5/c1/d1	<i>shadowed curved blunt triangle</i> new subtype	Apollo J-14	8590	8600	2618.2	2621.3									X	upper Miocene and Pliocene		lower Pliocene		pos. lower Miocene	bathyal
124615	52.2.1	spec	a9/b5+8/c13+19/d13+19	<i>triangle modified margin ends</i> Doyle and Riedel, 1985	Apollo J-14	8860	8880	2700.5	2706.6										reworked?	lower Paleocene	lower Pliocene		pos. lower Miocene	bathyal
		fair frag	a9/b1,5/c1/d1	<i>curved triangle, wide inline</i> new subtype	Apollo J-14	8920	8930	2718.8	2721.9									X	Miocene		mixed interval		pos. lower Miocene	bathyal
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Apollo J-14	8940	8950	2724.9	2728.0									X	Miocene		mixed interval		undagnostic	undagnostic
		spec		unidentified elasmobranch dermal denticle	Apollo J-14	8940	8950	2724.9	2728.0										mixed interval		mixed interval		undagnostic	undagnostic
		?frag	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline?</i> new subtype	Apollo J-14	8960	8970	2731.0	2734.1									X	Miocene		mixed interval		undagnostic	undagnostic
124639	70.1.1	spec	a9/b1,5/c1/d1	<i>small pointed triangle</i> Tway, Doyle, and Riedel, 1985	Apollo J-14	8990	9000	2740.2	2743.2										mixed interval, reworked?	middle Eocene through upper Oligocene	mixed interval		undagnostic	undagnostic
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Apollo J-14	9010	9020	2746.2	2749.3									X	Miocene		mixed interval		undagnostic	undagnostic
		spec		unidentified elasmobranch dermal denticle	Apollo J-14	9060	9070	2761.5	2764.5										mixed interval		mixed interval		undagnostic	undagnostic
124671	81.1.1	spec	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline</i> new subtype	Apollo J-14	9120	9130	2779.8	2782.8									X	Miocene		mixed interval		undagnostic	undagnostic
124645	72.3.1	good frag	a9/b1,5/c1/d1	<i>curved triangle, wide inline</i> new subtype	Apollo J-14	9120	9130	2779.8	2782.8									X	Miocene		mixed interval		undagnostic	undagnostic
		good	a9/b1,5/c1/d1	<i>shadowed curved blunt triangle</i> new subtype	Apollo J-14	9140	9160	2785.9	2792.0									X	upper Miocene and Pliocene		mixed interval		undagnostic	undagnostic
		spec	a9/b5+8/c13+19/d13+19	cf. <i>triangle curved margin ends</i> Doyle and Riedel, 1985	Apollo J-14	9240	9250	2816.4	2819.4							X			?reworked into younger Cenozoic strata	upper Paleocene through lowermost Eocene	mixed interval		undagnostic	undagnostic
124702	96.1.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form I	Apollo J-14	9430	9440	2874.3	2877.3										mixed interval		mixed interval		undagnostic	undagnostic
124687	85.7.1	frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Apollo J-14	9450	9460	2880.4	2883.4									X	Miocene		mixed interval		undagnostic	undagnostic
		?fair	a9/b5/c1/d1	cf. <i>short triangle stepped margin?</i> Doyle, Kennedy, and Riedel, 1974	Apollo J-14	9800	9810	2987.0	2990.1									X	Miocene	Oligocene/Miocene boundary through Quaternary	mixed interval		undagnostic	undagnostic
		spec	a8/b5+8/c2/d1,2	<i>triangle double flex</i> Dunsworth, Doyle, and Riedel, 1975	BC-69-2, Skuna Bay, Nootka Island	140	160	42.7	48.8						X				Oligocene-upper Eocene; may be reworked Cretaceous to lower Eocene	middle Eocene through middle Miocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b5+8+(10,12)/c19/d19	cf. <i>wide triangle</i> Dunsworth, Doyle, and Riedel, 1975	BC-69-2, Skuna Bay, Nootka Island	540	560	164.6	170.7										Oligocene-upper Eocene	lower Eocene through lower Miocene; rare Paleocene, upper Miocene and Pliocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> / <i>Turrilina alsatica</i> foraminifer zone)		
124543	18.2.1	?spec	a9/b8+12/c19/d19	unidentified elasmobranch tooth, Form D	BC-69-2, Skuna Bay, Nootka Island	1080	1500	329.2	457.2										Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a8/b5+8/c2/d1,2	<i>triangle double flex</i> Dunsworth, Doyle, and Riedel, 1975	BC-69-2, Skuna Bay, Nootka Island	1100	1120	335.3	341.4					X					Oligocene-upper Eocene; may be reworked Cretaceous to lower Eocene	middle Eocene through middle Miocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		good	a9/b5+8+(10,12)/c19/d19	cf. <i>wide triangle</i> Dunsworth, Doyle, and Riedel, 1975	BC-69-2, Skuna Bay, Nootka Island	2300	2320	701.0	707.1										Oligocene-upper Eocene	lower Eocene through lower Miocene; rare Paleocene, upper Miocene and Pliocene		Oligocene (<i>Turrilina alsatica</i> / <i>Chilogembelina cubensis</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-69-2, Skuna Bay, Nootka Island	3220	3240	981.5	987.6		X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		lower Oligocene-upper Eocene (<i>Chilogembelina cubensis</i> foraminifer zone)		
		spec	a9/b5+8/c13+19/d19/	<i>narrow triangle straight inbase</i> Doyle, Kennedy, & Riedel 1974	BC-69-2, Skuna Bay, Nootka Island	3460	3480	1054.6	1060.7				X						Oligocene-upper Eocene	upper Paleocene through Quaternary		upper Eocene to lower Oligocene (<i>Chilogembelina cubensis</i> foraminifer zone)		
		?spec	a8/b5+8/c2/d1,2	<i>wide triangle double flex?</i> Dunsworth, Doyle, and Riedel, 1975	BC-69-2, Skuna Bay, Nootka Island	3660	3680	1115.6	1121.7						X				upper Eocene/Oligocene	Paleocene - Eocene		upper Eocene to lower Oligocene (<i>Chilogembelina cubensis</i> foraminifer zone)		
		frag	a9/b8/c19+20/d19+20	unidentified elasmobranch tooth, Form B	BC-71-1, 30' into 990'; Escalante Point, Hesquiat Peninsula														upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124561	26.1.1	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form A	BC-71-2, near Escalante Point, Hesquiat Peninsula	554	564	168.9	171.9		X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		upper Eocene (<i>Cibicides haydoni</i> foraminifer zone)		

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124538	16.3.1	spec	a9/b8/c19+20/d19+20	unidentified elasmobranch tooth, Form B	BC-71-4' 10' below lower contorted zone, near Escalante Point, Hesquiat Peninsula	470		143.3											upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124612	51.1.1	spec	a9/b5+8/c+13+19/d+13+19	cf. <i>triangle bowed inline</i> Ramsey, Doyle, & Riedel, 1976	BC-71-4; 40' below lower contorted zone, near Escalante Point; Hesquiat Peninsula	500		152.4											upper Eocene	Cretaceous through Eocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-71-5, extreme base of section; near Escalante Point, Hesquiat Peninsula	680		207.3											upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-71-5, near Escalante Point, Hesquiat Peninsula	392	407	119.5	124.1					X					upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124613	51.2.1	spec	a9/b1,5/c19/d19	cf. <i>triangle bowed inline</i> Ramsey, Doyle, & Riedel, 1976	BC-71-5, near Escalante Point, Hesquiat Peninsula	525	570	160.0	173.7										upper Eocene	Cretaceous through Eocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b1,5/c1/d1	<i>dome-top triangle bowed inline</i> new subtype	BC-71-5, near Escalante Point, Hesquiat Peninsula	525	570	160.0	173.7					X					upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124622	55.1.1	spec	a9/b5+8/c13+19/d19/	<i>narrow triangle straight inbase</i> Doyle, Kennedy, & Riedel	BC-71-5, near Escalante Point, Hesquiat Peninsula	525	570	160.0	173.7					X					upper Eocene	upper Paleocene through Quaternary		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified cone tooth	BC-72-11, #4; near Split Cape, Hesquiat Peninsula	170		51.8											Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form D	BC-72-9, #5; north-western Hesquiat Peninsula	75	85	22.9	25.9	X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124534	6.1.1	spec	a9/b8+12/c14+19/d+13+19	Family Squalidae, Form C	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d+13+19	Family Squalidae, Form C	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d+13+19	Family Squalidae, Form C	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124533	7.1.1	spec	a9/b8+11+12/c14+19/d19	Family Squalidae, Form D	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124530	8.1.1	spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124531	8.2.1	spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124526	9.1.1	spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidae, Form A	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidae, Form A	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidae, Form A	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidae, Form A	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124537	16.2.1	spec	a9/b8/c19+20/d19+20	unidentified elasmobranch tooth, Form B	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124590	42.2.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124592	42.4.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124560	25.1.1, 25.1.2	spec	a4/b2+6/c3/d3	cf. kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d3	cf. kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d3	cf. kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d3	cf. kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124557	24.1.1, 24.1.2	spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124558	24.2.1	spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124559	24.3.1, 24.3.2	spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	kite-shaped longitudinal line Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		frag?	a4/b2+6/c3/d2+3	kite-shaped longitudinal line? Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		frag?	a4/b2+6/c3/d2+3	kite-shaped longitudinal line? Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124551	22.1.1	spec	a2/b2+6+12/c3/d1	three peaks forked median ridge new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124552	22.2.1, 22.2.2	spec	a2/b2+6+12/c3/d1	three peaks forked median ridge new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124553	22.3.1	? spec	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		? frag	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		? frag	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		? frag	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		? frag	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		

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124579	34.1.1	spec	a4/b2+6/c2/d4+8	undescribed elasmobranch dermal denticle; Form F	BC-74 spot check #15, near Matlahaw Point, Hesquiat Peninsula														Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124637	68.1.1	spec	a9/b1/c1/d1	cf. <i>striated triangle</i> Ramsey, Doyle & Riedel, 1976	BC-74 spot check #15; near Matlahaw Point, Hesquiat Peninsula														Oligocene; ?reworked Eocene through Cretaceous	Upper Jurassic through Eocene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124661	78.1.1	spec	a9/b1,5/c1/d1	<i>dome-top triangle</i> bowed inline new subtype	BC-74 spot check #15; near Matlahaw Point, Hesquiat Peninsula									X					upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124665	78.5.1	spec	a9/b1,5/c1/d1	<i>dome-top triangle</i> bowed inline new subtype	BC-74 spot check #15; near Matlahaw Point, Hesquiat Peninsula									X					upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124555	22.5.1	spec	a2/b2+6+12/c3/d1	<i>three peaks forked median ridge</i> new subtype	BC-74 spot check #6, Rafael Point, Flores Island							X							common in Oligocene; ?reworked Eocene through Cretaceous					
124591	42.3.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124593	42.5.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula									X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124522	3.5.1, 4.2.1	~whole	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		

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		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form B	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form C	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form C	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124569	26.9.1, 26.9.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978; Form E	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula						X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+19/d13+19	unidentified elasmobranch tooth, Form C	BC-74 spot check #7, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		2 base frags	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124589	42.1.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula									X						Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124594	42.6.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124595	42.7.1	spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X							Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		11+ base frags	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula										X					Oligocene-upper Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula													x		Miocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124571	27.2.1	spec	a4/b2+6/c2/d4+8+10	cf. pointed and skirted Doyle, Dunsworth, & Riedel, 1978	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through lower Eocene; rare later Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124544	13.1.1, 13.1.2	spec	a9/b2+8+12/c19/d19/	Family Scyliorhinidae indet., Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124545	13.2.1	spec	a9/b2+8+12/c19/d19/	Family Scyliorhinidae indet., Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b2+8+12/c19/d19/	Family Scyliorhinidae indet., Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124521	3.4.1, 4.1.1	~whole	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124523	4.3.1	base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		base frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+1 9	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval e.g. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A or B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	<i>kite-shaped longitudinal line</i> Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6/c3/d2+3	<i>kite-shaped longitudinal line</i> Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X						common in Oligocene; ?reworked Eocene through Cretaceous	Maestrichtian through Oligocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124562	26.2.1, 26.2.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula						X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124563	26.3.1, 26.3.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124565	26.5.1, 26.5.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form C	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula						X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form C	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124568	26.8.1, 26.8.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		?frag	a2/b2+6/c3/d1,2	<i>short side peaks differentiated margin?</i> Doyle, Kennedy & Riedel 1974	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula								X						upper Eocene and Oligocene	upper Eocene through middle Miocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		?frag	a2/b2+6/c3/d1,2	<i>short side peaks differentiated margin?</i> Doyle, Kennedy & Riedel 1974	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula									X					upper Eocene and Oligocene	upper Eocene through middle Miocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124528	10.1.1, 10.1.2	spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula						X								Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X							Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIIS identification (a/b/c/d only)	Ichthyolith	Shell-Angle well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		?spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124554	22.4.1	spec	a2/b2+6+12/c3/d1	three peaks forked median ridge new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		?spec	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula							X								common in Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124605	45.5.1	spec	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula									X						upper Eocene and Oligocene	upper Paleocene through lower Miocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124573	29.1.1	spec	a2/b+2+10/c>2/d1.0-1.5	undescribed elasmobranch dermal denticle; Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a2/b+2+10/c>2/d1.0-1.5	undescribed elasmobranch dermal denticle; Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124577	32.1.1	spec	a4/b2+6/c2/d4+8	undescribed elasmobranch dermal denticle; Form D	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124578	33.1.1	spec	a4/b2+6/c2/d4+8	undescribed elasmobranch dermal denticle; Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124714	105.2.1	spec	a12,14/b3/c1/d1	undescribed ichthyolith oddity Form E	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		frag		unidentified cone tooth	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124535	15.1.1, 15.1.2	spec	a9/b2+8+12/c19/d19/	unidentified elasmobranch tooth, Form A	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124540	17.2.1, 17.2.2	spec	a9/b8+12/c13+19/d13+19	unidentified elasmobranch tooth, Form C	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		spec	a9/b8+12/c13+19/d13+19	unidentified elasmobranch tooth, Form C	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c19/d19	unidentified elasmobranch tooth, Form D	BC-74 spot check #8, near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124634	66.1.1	spec	a9/b1/c1/d1	cf. triangle with parallel inline Doyle, Kennedy, & Riedel, 1974	BC-74 spot check #8; near Matlahaw Point, Hesquiat Peninsula															upper Eocene to Oligocene; ?reworked from Eocene through Cretaceous	erratic throughout Cenozoic		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124662	78.2.1	spec	a9/b1,5/c1/d1	dome-top triangle bowed inline new subtype	BC-74 spot check #8; near Matlahaw Point, Hesquiat Peninsula										X					upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124663	78.3.1	spec	a9/b1,5/c1/d1	dome-top triangle bowed inline new subtype	BC-74 spot check #8; near Matlahaw Point, Hesquiat Peninsula										X					upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124664	78.4.1	spec	a9/b1,5/c1/d1	dome-top triangle bowed inline new subtype	BC-74 spot check #8; near Matlahaw Point, Hesquiat Peninsula										X					upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		?spec	a9/b1,5/c1/d1	dome-top triangle bowed inline? new subtype	BC-74 spot check #8; near Matlahaw Point, Hesquiat Peninsula										X					upper Eocene/Oligocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c12+19/d19	Family Squalidae, Form B	BC-74 spot check, Flores Island					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene					
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74-1, #1, Leclair Point, Hesquiat Peninsula	0	4	0.0	1.2		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		lower Oligocene-upper Eocene (<i>Chiloguembelina cubensis</i> foraminifer zone)		
124525	5.1.1	spec	a9/b8+12/c12+19/d19	Family Squalidae, Form B	BC-74-1, #13; Leclair Point, Hesquiat Peninsula	267	269	81.4	82.0	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			upper Eocene to lower Oligocene (<i>Chiloguembelina cubensis</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form B	BC-74-1, #18, Leclair Point, Hesquiat Peninsula	337	348	102.7	106.1		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		lower Oligocene-upper Eocene (<i>Chiloguembelina cubensis</i> foraminifer zone)		
124631	63.2.1	spec	a8/b5+8/c2/d1,2	wide triangle double flex Dunsforth, Doyle, and Riedel, 1975	BC-74-1, #18, Leclair Point, Hesquiat Peninsula	337	348	102.7	106.1						X					upper Eocene/Oligocene	Paleocene - Eocene		upper Eocene to lower Oligocene (<i>Chiloguembelina cubensis</i> foraminifer zone)		
124627	59.1.1, 59.1.2	good	a9/b5+8+(10,12)/c19/d19	cf. wide crescent Doyle, Dunsforth, & Riedel, 1978	BC-74-1, #18; Leclair Point, Hesquiat Peninsula	337	348	102.7	106.1											lower Oligocene-upper Eocene	Campanian to lower Paleocene; rare Eocene and Miocene		upper Eocene to lower Oligocene (<i>Chiloguembelina cubensis</i> foraminifer zone)		
124566	26.6.1, 26.6.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74-11, #8, near Estevan Point, Hesquiat Peninsula	261	303	79.6	92.4		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124567	26.7.1, 26.7.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74-11, #8, near Estevan Point, Hesquiat Peninsula	261	303	79.6	92.4		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74-11, #8, near Estevan Point, Hesquiat Peninsula	261	303	79.6	92.4		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsforth, & Riedel, 1978; Form D	BC-74-11, #8, near Estevan Point, Hesquiat Peninsula	261	303	79.6	92.4		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124529	11.1.1, 11.1.2	spec	a9/b8+12/c19/d19	Superorder Hexanchoidei, Form C	BC-74-11, #8, near Estevan Point, Hesquiat Peninsula	261	303	79.6	92.4	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		frag	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	centrally inflated triangle with canals new subtype	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula										X					Oligocene; may be reworked from Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+11+12/c14+19/d19	Family Squalidae, Form D	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidei, Form A	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c13+14+19/d19	Superorder Hexanchoidei, Form B	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula					X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. palaeontological reports)	Biofacies (Shell Canada Ltd. palaeontological reports)
124536	16.1.1, 16.1.2	slab spec	a9/b8/c19+20/d19+20	unidentified elasmobranch tooth, Form B	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula														Oligocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124539	17.1.1, 17.1.2	?spec	a9/b8+12/c13+19/d13+19	unidentified elasmobranch tooth, Form C	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula														Oligocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b8+12/c19/d19	unidentified elasmobranch tooth, Form D	BC-74-11, F#1; near Estevan Point, Hesquiat Peninsula														Oligocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74-12, #13, Hesquiat Point	383	390	116.7	118.9										upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified cone tooth	BC-74-12, #17; Hesquiat Point	501	537	152.7	163.7										lower Oligocene-upper Eocene			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
124596	43.1.1	spec	a9/b5+8/c13+19/d13+19	<i>triangle one canal above</i> Doyle, Kennedy, & Riedel, 1974	BC-74-13, #20, Dagger Point, Flores Island	685	718	208.8	218.8					X					Oligocene-upper Eocene	lower Eocene through middle Miocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74-13, #30; Dagger Point, Flores Island	972	1000	296.3	304.8										upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74-13, #37; Flores Island	1192	1196	363.3	364.5										lower Oligocene-upper Eocene			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
		frag	a9/b1,5/c1/d1	<i>narrow tall triangle, irregular threaded inline new subtype</i>	BC-74-13, Dagger Point, Flores Island	1129	1150	344.1	350.5									x	known in Miocene; deposited in lower Oligocene/upper Eocene strata			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
		good spec	a9/b1,5/c11,12/d20	<i>angled cone and basal canals new subtype</i>	BC-74-14, #3; Rafael Point, Flores Island	93	126	28.3	38.4					X					Oligocene-upper Eocene			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
124520	12.1.1 to 12.1.4	spec	a9/b8/c19/d19	<i>?Isurolamna</i> sp. A	BC-74-14, #5, Rafael Point, Flores Island	170	172	51.8	52.4										lower Oligocene-upper Eocene			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
		?frag	a2/b2+6/c3/d1,2	<i>short side peaks differentiated margin?</i> Doyle, Kennedy & Riedel, 1974	BC-74-14, #6; Rafael Point, Flores Island	191	210	58.2	64.0				X						upper Eocene and Oligocene	upper Eocene through middle Miocene		lower Oligocene-upper Eocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
		spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidei, Form A	BC-74-14, #6; Rafael Point, Flores Island	191	210	58.2	64.0	X									Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene			upper Eocene to lower Oligocene (<i>Chiloguibelina cubensis</i> foraminifer zone)		
124606	46.1.1	spec	a9/b8/c19/d19	<i>flanged triangle with canals new subtype</i>	BC-74-15, #12, Rafael Point, Flores Island	363	393	110.6	119.8					X					upper Eocene-Oligocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a2/b2+6/c3/d1,2	<i>short side peaks differentiated margin</i> Doyle, Kennedy & Riedel, 1974	BC-74-15, #7, Rafael Point, Flores Island	213	243	64.9	74.1				X						upper Eocene and Oligocene	upper Eocene through middle Miocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		base frag	a9/b1,5/c11,12/d20	<i>angled cone and basal canals new subtype</i>	BC-74-17, #14, Dagger Point, Flores Island	359	393	109.4	119.8					X					Oligocene-upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b8/c19/d19	<i>flanged triangle with canals new subtype</i>	BC-74-17, #5, Dagger Point, Flores Island	99	132	30.2	40.2					X					upper Eocene-Oligocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b8/c19/d19	<i>flanged triangle with canals new subtype</i>	BC-74-17, #5, Dagger Point, Flores Island	99	132	30.2	40.2					X					upper Eocene-Oligocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b8/c19/d19	<i>flanged triangle with canals new subtype</i>	BC-74-17, #7, Dagger Point, Flores Island	164	197	50.0	60.0					X					upper Eocene-Oligocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124541	17.3.1	spec	a9/b8+12/c13+19/d13+19	unidentified elasmobranch tooth, Form C	BC-74-19, #27, Bajo Point, Nootka Island	1037	1077	316.1	328.3										Oligocene			Oligocene (<i>Turrillina alsatica</i> foraminifer zone)		
		spec	a9/b8/c19+20/d19+20	unidentified elasmobranch tooth, Form B	BC-74-19, #79; Bajo Point, Nootka Island	3090	3131	941.8	954.3										Oligocene-upper Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74-2, #38, Leclair Point, Hesquiat Peninsula	653.5	676	199.2	206.0					X				upper Eocene; may be reworked Cretaceous to lower Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124542	18.1.1	?spec	a9/b8+12/c19/d19	unidentified elasmobranch tooth, Form D	BC-74-2, #38, Leclair Point, Hesquiat Peninsula	653.5	676	199.2	206.0									upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec		unidentified elasmobranch dermal denticle	BC-74-23, #2; Beano Bay, Nootka Island													upper Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74-3 #10; Leclair Point, Hesquiat Peninsula	150	165	45.7	50.3					X				upper Eocene; may be reworked Cretaceous to lower Eocene			upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124633	64.2.1	spec	a8/b5+8/c2/d1,2	triangle double flex Dunsworth, Doyle, and Riedel, 1975	BC-74-3, #10, Leclair Point, Hesquiat Peninsula	150	165	45.7	50.3					X				upper Eocene; may be reworked Cretaceous to lower Eocene	middle Eocene through middle Miocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124549	21.3.1	?frag	a2/b2+6/c3/d1,2	short side peaks differentiated margin? Doyle, Kennedy & Riedel 1974	BC-74-3, #9, Leclair Point, Hesquiat Peninsula	136	150	41.5	45.7			X						upper Eocene and Oligocene	upper Eocene through middle Miocene		upper Eocene (<i>Globorotalia</i> aff. <i>postcretacea</i> foraminifer zone)		
124629	62.1.1	spec	a8/b5+8/c1,2/d1,2	cf. flexed triangle asymmetric Doyle & Riedel, 1985	BC-74-6, #36, Estevan Point, Hesquiat Peninsula	1096	1104	334.1	336.5									deposited in Oligocene strata; ?reworked from older strata	Paleocene and earliest Eocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone); pos. reworked		
		?spec	a8/b5+8/c2/d1,2	wide triangle double flex? Dunsworth, Doyle, and Riedel, 1975	BC-74-6, #36, Estevan Point, Hesquiat Peninsula	1096	1104	334.1	336.5					X				upper Eocene/Oligocene	Paleocene - Eocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone); pos. reworked		
124630	63.1.1	spec	a8/b5+8/c2/d1,2	wide triangle double flex Dunsworth, Doyle, and Riedel, 1975	BC-74-6, #44, Bag A, Estevan Point, Hesquiat Peninsula	1345	1389	410.0	423.4					X				upper Eocene/Oligocene	Paleocene - Eocene		Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74-7 #1, Estevan Point, Hesquiat Peninsula	0	5	0.0	1.5					X				upper Eocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Turrilina alsatica</i> foraminifer zone)		
124556	23.1.1	spec	a3/b2+12/c3/d5+6	cf. rhombus kite Gupta, 1991	BC-74-7, #10, Estevan Point, Hesquiat Peninsula	226	264	68.9	80.5									Oligocene; may be reworked Cretaceous to lower Eocene	Paleogene		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b1,5/c1/d1	dome-top triangle bowed inline new subtype	BC-74-7, #6; Estevan Point, Hesquiat Peninsula	84	114	25.6	34.7					X				Oligocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124564	26.4.1, 26.4.2	spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form C	BC-74-8, #11, Bag A, Smokehouse Bay, Hesquiat Peninsula	310	341	94.5	103.9	X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic		Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
		spec	a9/b5+8/c19+(11,12,13)/d19+ (11,12,13)/	centrally inflated triangle with canals new subtype	BC-74-8, #11, Smokehouse Bay, Hesquiat Peninsula	310	341	94.5	103.9					X				upper Eocene; may be reworked Cretaceous to lower Eocene			Oligocene (<i>Bulimina</i> cf. <i>alsatica</i> foraminifer zone)		
124625	57.1.1	good	a9/b5+8+(10,12)/c19/d19	cf. wide triangle Dunsworth, Doyle, and Riedel, 1975	BC-South of Escalante Bay; C535A, Hesquiat Peninsula														lower Eocene through lower Miocene; rare Paleocene, upper Miocene and Pliocene				
124697	92.1.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form E	Cygnat J-100	1636	1667	498.7	508.1									Pliocene		upper-lower Pliocene		Pleistocene-Pliocene	outer neritic to upper bathyal
		spec		unidentified cone tooth	Cygnat J-100	1636	1667	498.7	508.1									Pliocene		upper-lower Pliocene		Pleistocene-Pliocene	outer neritic to upper bathyal
		good	a9/b1,5/c1/d1	"shadowed high inline cone"	Cygnat J-100	2595	2626	791.0	800.4							X		upper-lower Pliocene; pos. upper Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
		spec	a9/b8/c13+19/d13+19	cf. straight triangle keeled edges Ramsey, Doyle, and Riedel, 1976	Cygnat J-100	2750	2781	838.2	847.6									?reworked	Upper Jurassic through Miocene	upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
		spec	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Cygnat J-100	3089	3121	941.5	951.3							X		Pliocene and Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
		spec	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Cygnat J-100	3214	3245	979.6	989.1							X		Pliocene and Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
		good	a9/b5+8+(10,12)/c19/d19	cf. wide triangle Dunsworth, Doyle, and Riedel, 1975	Cygnat J-100	3276	3307	998.5	1008.0							x		Pliocene - Miocene	lower Eocene through lower Miocene; rare Paleocene, upper Miocene and Pliocene	upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
124650	73.3.1	spec	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Cygnat J-100	3555	3586	1083.6	1093.0							X		Pliocene and Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
124651	73.4.1	frag	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Cygnat J-100	3555	3586	1083.6	1093.0							X		Pliocene and Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal
		good	a9/b1,5/c1/d1	"shadowed high inline cone"	Cygnat J-100	3648	3679	1111.9	1121.4							X		Pliocene and upper Miocene		upper-lower Pliocene		upper Pliocene	outer neritic to upper bathyal

GSC Specimen No.	PE Fig. no.	Spec	CUI/IS identification (a/b/c/d only)	Ichthyolith	Shell-Angle well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6A			0m	0.29m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6A			0m	0.29m									X		Miocene and Pliocene					
		spec	a9/b5/c1/d1/	cf. triangle small top Ramsey, Doyle, and Riedel, 1976	END-76B-6A			0m	0.29m												Cretaceous through Quaternary				
124692	88.2.1	spec	a9/b1/c1/d1	undescribed cone tooth Form A	END-76B-6A			0m	0.29m											Miocene?					
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6B			0.29m	0.52m									X		Miocene and Pliocene					
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6B			0.29m	0.52m									X		Miocene and Pliocene					
		frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	END-76B-6B			0.29m	0.58m									X		Miocene and Pliocene					
124683	85.3.1	spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		?frag	a9/b5/c1/d1	angled cone and bulbous base? new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	END-76B-6C			0.58m	0.87m									X		Miocene and Pliocene					
		spec	a9/b5/c1/d1	cf. long triangle stepped margin Doyle, Kennedy, and Riedel, 1974	END-76B-6C			0.58m	0.87m									X		Pliocene and upper Miocene	latest Miocene to Recent				
124705	99.1.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form I	END-76B-6C			0.58m	0.87m											Miocene?					
124712	104.1.1, 104.1.2	spec	a12/b1,4?	undescribed ichthyolith oddity Form D	END-76B-6C			0.58m	0.87m											Miocene?					
		spec		unidentified cone tooth	END-76B-6C			0.58m	0.87m																
		spec		unidentified cone tooth	END-76B-6C			0.58m	0.87m																
		spec		unidentified elasmobranch dermal denticle	END-76B-6C			0.58m	0.87m																
		spec		unidentified elasmobranch dermal denticle	END-76B-6C			0.58m	0.87m																
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6D			0.87m	1.16m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6D			0.87m	1.16m									X		Miocene and Pliocene					
124644	72.2.1	spec	a9/b1,5/c1/d1	curved triangle, wide inline new subtype	END-76B-6D			0.87m	1.16m									X		lower Pliocene and Miocene					
		spec		unidentified elasmobranch dermal denticle	END-76B-6D			0.87m	1.16m																
124682	85.2.1	spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
124684	85.4.1	spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
124685	85.5.1	spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		cap frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					
		spec	a9/b8/c19/d19	flanged triangle with canals new subtype	END-76B-6E			1.16m	1.45m	x			X							upper Eocene and Oligocene; reworked into lower and middle Miocene					
		frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	END-76B-6E			1.16m	1.45m									X		Miocene and Pliocene					

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		frag	a9/b1.5/c1/d1	narrow tall triangle, inflated inline apex new subtype	END-76B-6E			1.16m	1.45m										X	Miocene and Pliocene					
124517	3.2.1, 3.2.2; 14.2.1, 14.2.2	spec	a4/b6+8/c1/d2+8	Raja sp. A	END-76B-6E			1.16m	1.45m										X	Pliocene-upper Miocene	frequently inhabit cool shelf waters				
124532	8.3.1	frag	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	Harlequin D-86	4855	4866	1479.8	1483.2	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene		lower-middle Miocene (Patterson, 1988)	lower to middle Miocene		
		?frag	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	Harlequin D-86	4855	4866	1479.8	1483.2	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene		lower-middle Miocene (Patterson, 1988)	lower to middle Miocene		
		frag	a9/b5+8/c19/d19	triangle sigmoid rough Ramsey, Doyle, and Riedel, 1976	Murrelet K-15	1318	1347	401.7	410.6											Oligocene; ?reworked	Upper Jurassic through Eocene; rare Oligocene	Quaternary-Pliocene (Patterson, 1988)	Pliocene - lower Pliocene		
		frag	a8,9/b5+8	flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase	Osprey D-36	2700	2750	823.0	838.2				x	x						Oligocene-upper Eocene; ?reworked		Quaternary-Pliocene (Patterson, 1988)	lower Pliocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5220	5230	1591.1	1594.1					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene	Miocene to Oligocene		
		spec	a9/b8+12/c14+19/d+13+19	Family Squalidae, Form C	Pluto I-87	5240	5250	1597.2	1600.2	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene		lower Miocene	Miocene to Oligocene		
		?spec	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	Pluto I-87	5240	5250	1597.2	1600.2	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene		lower Miocene	Miocene to Oligocene		
		?frag	a9/b1.5/c1/d1	narrow tall triangle, irregular threaded inline? new subtype	Pluto I-87	5240	5250	1597.2	1600.2									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
124548	21.2.1	spec	a2/b2+6/c3/d1,2	short side peaks differentiated margin Doyle, Kennedy & Riedel, 1974	Pluto I-87	5250	5260	1600.2	1603.2				X							upper Eocene and Oligocene	upper Eocene through middle Miocene	lower Miocene	Miocene to Oligocene		
124582	36.1.1	spec	a4/b(2,7)+6/c2/d(2,4)+8+10	undescribed elasmobranch dermal denticle; Form H	Pluto I-87	5270	5280	1606.3	1609.3											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Miocene	Miocene to Oligocene		
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Pluto I-87	5290	5300	1612.4	1615.4									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Pluto I-87	5290	5300	1612.4	1615.4									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
		spec	a9/b5+8/c13+19/d13+19	triangle one canal above Doyle, Kennedy, & Riedel, 1974	Pluto I-87	5320	5330	1621.5	1624.6				X							Oligocene-upper Eocene	lower Eocene through middle Miocene	lower Miocene	Miocene to Oligocene		
124621	54.2.1, 54.2.2, 54.2.3	spec	a9/b5+8/c13+19/d13+19	cf. triangle curved margin ends Doyle and Riedel, 1985	Pluto I-87	5330	5340	1624.6	1627.6							X				?reworked into younger Cenozoic strata	upper Paleocene through lowermost Eocene	lower Miocene	Miocene to Oligocene		
		spec		unidentified elasmobranch dermal denticle	Pluto I-87	5330	5340	1624.6	1627.6											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Miocene	Miocene to Oligocene		
		spec	a9/b5+8/c13+19/d13+19	cf. triangle curved margin ends Doyle and Riedel, 1985	Pluto I-87	5360	5370	1633.7	1636.8							X				?reworked into younger Cenozoic strata	upper Paleocene through lowermost Eocene	lower Miocene	Miocene to Oligocene		
		frag	a9/b1.5/c1/d1	narrow tall triangle, irregular threaded inline new subtype	Pluto I-87	5380	5390	1639.8	1642.9									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
		base frag	a9/b1.5/c11,12/d20	angled cone and basal canals new subtype	Pluto I-87	5410	5420	1649.0	1652.0					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene	Miocene to Oligocene		
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Pluto I-87	5410	5420	1649.0	1652.0									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5420	5430	1652.0	1655.1					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene	Miocene to Oligocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5450	5460	1661.2	1664.2					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene	Miocene to Oligocene		
		good spec	a9/b1.5/c11,12/d20	angled cone and basal canals new subtype	Pluto I-87	5480	5490	1670.3	1673.4					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene	Miocene to Oligocene		
124676	83.1.1	good	a9/b5/c1/d1	cf. short triangle stepped margin Doyle, Kennedy, and Riedel, 1974	Pluto I-87	5490	5500	1673.4	1676.4									X		Miocene; ?sloughed into Oligocene	Oligocene/Miocene boundary through Quaternary	lower Miocene	Miocene to Oligocene		
		fair frag	a9/b1.5/c1/d1	curved triangle, wide inline new subtype	Pluto I-87	5520	5530	1682.5	1685.5									X		Miocene; ?sloughed into Oligocene		lower Miocene	Miocene to Oligocene		
124598	44.1.1	spec	a9/b5+8/c13+19/d13+19	cf. triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Pluto I-87	5540	5580	1688.6	1700.8					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	lower Miocene	Miocene to Oligocene		
124547	21.1.1	spec	a2/b2+6/c3/d1,2	short side peaks differentiated margin Doyle, Kennedy & Riedel, 1974	Pluto I-87	5540	5550	1688.6	1691.6					X						upper Eocene and Oligocene	upper Eocene through middle Miocene	lower Miocene	Miocene to Oligocene		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)	
		?frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Pluto I-87	5570	5580	1697.7	1700.8									X		Miocene; ?sloughed into Oligocene		lower Miocene		Miocene to Oligocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5640	5650	1719.1	1722.1					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene		Miocene to Oligocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5710	5720	1740.4	1743.5					X						upper Eocene-Oligocene; reworked into lower Miocene		lower Miocene		Miocene to Oligocene		
124586	39.1.1	spec	a4/b6+7/c2/d2+8	undescribed elasmobranch dermal denticle; Form K	Pluto I-87	5710	5720	1740.4	1743.5											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Miocene		Miocene to Oligocene		
		spec	a4/b6+7/c2/d2+8	undescribed elasmobranch dermal denticle; Form K	Pluto I-87	5710	5720	1740.4	1743.5											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Miocene		Miocene to Oligocene		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	5800	5810	1767.8	1770.9		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
124638	69.1.1	frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	Pluto I-87	5840	5850	1780.0	1783.1									X		Miocene; ?sloughed into Oligocene			upper Oligocene		Miocene to Oligocene	
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	5850	5860	1783.1	1786.1		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Pluto I-87	5860	5870	1786.1	1789.2					X						upper Eocene-Oligocene; reworked into lower Miocene			upper Oligocene		Miocene to Oligocene	
		frag	a4,6/b1/c2/d1	cf. ogee lanceolate Tway, Doyle, and Riedel, 1985	Pluto I-87	5870	5880	1789.2	1792.2				X							upper Eocene to middle Miocene	lower Eocene to middle Miocene	upper Oligocene		Miocene to Oligocene		
124624	56.1.1 to 56.1.5	spec	a9/b5+8/c19/d19	triangle sigmoid rough Ramsey, Doyle, and Riedel, 1976	Pluto I-87	5950	5960	1813.6	1816.6											Oligocene	Upper Jurassic through Eocene; rare Oligocene	upper Oligocene		Miocene to Oligocene		
		base frag	a9/b1,5/c11,12/d20	angled cone and basal canals new subtype	Pluto I-87	5960	5970	1816.6	1819.7					X						upper Eocene-Oligocene; reworked into lower Miocene			upper Oligocene		Miocene to Oligocene	
		?frag	a2/b2+6+12/c3/d1	three peaks forked median ridge? new subtype	Pluto I-87	5990	6000	1825.8	1828.8			X								common in Oligocene; ?reworked Eocene through Cretaceous			upper Oligocene		Miocene to Oligocene	
		spec		unidentified elasmobranch dermal denticle	Pluto I-87	6070	6080	1850.1	1853.2											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous			upper Oligocene		Miocene to Oligocene	
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	6100	6110	1859.3	1862.3		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	6120	6130	1865.4	1868.4		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
124572	28.1.1	spec	a4,6/b1/c2/d1	cf. ogee lanceolate Tway, Doyle, and Riedel, 1986	Pluto I-87	6140	6150	1871.5	1874.5				X							upper Eocene to middle Miocene	lower Eocene to middle Miocene	upper Oligocene		Miocene to Oligocene		
		?frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Pluto I-87	6140	6150	1871.5	1874.5									X		Miocene; ?sloughed into Oligocene			upper Oligocene		Miocene to Oligocene	
		frag	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	6140	6150	1871.5	1874.5		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
124597	43.2.1	spec	a9/b5+8/c13+19/d13+19	triangle one canal above Doyle, Kennedy, & Riedel, 1974	Pluto I-87	6140	6150	1871.5	1874.5				X							Oligocene-upper Eocene	lower Eocene through middle Miocene	upper Oligocene		Miocene to Oligocene		
124669	80.1.1	good	a9/b1,5/c1/d1	cf. curved flared triangle Ramsey, Doyle, and Riedel, 1976	Pluto I-87	6260	6270	1908.0	1911.1											Oligocene-upper Eocene; ?reworked from older strata	Upper Jurassic through Middle Eocene	upper Oligocene				
124693	89.1.1	spec	a9/b5/c1/d1	undescribed cone tooth Form E	Pluto I-87	6340	6350	1932.4	1935.5											Oligocene-upper Eocene		upper Oligocene		Miocene to Oligocene		
		frag	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form B	Pluto I-87	6390	6400	1947.7	1950.7		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
		spec	a9/b5+8/c13+19/d13+19	cf. simple triangle Winfrey, Doyle and Riedel, 1987	Pluto I-87	6450	6460	1966.0	1969.0											deposited in Oligocene-upper Eocene strata; ?reworked from older strata	Cretaceous and older strata	upper Oligocene		Miocene to Oligocene		
		spec	a9/b8/c19/d19	flanged triangle with canals new subtype	Pluto I-87	6490	6500	1978.2	1981.2					X						upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene		
124587	41.1.1	good spec	a9/b1,5/c11,12/d20	angled cone and basal canals new subtype	Pluto I-87	6560	6570	1999.5	2002.5					X						upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene		
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	pointed and skirted Doyle, Dunsworth, & Riedel, 1978; Form D	Pluto I-87	6570	6580	2002.5	2005.6		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene		
124619	53.3.1	spec	a9/b5+8/c13+19/d13+19	cf. simple triangle Winfrey, Doyle and Riedel, 1987	Pluto I-87	6590	6600	2008.6	2011.7											deposited in Oligocene-upper Eocene strata; ?reworked from older strata	Cretaceous and older strata	upper Oligocene		Miocene to Oligocene		
		spec	a9/b8/c19/d19	flanged triangle with canals new subtype	Pluto I-87	6630	6640	2020.8	2023.9					X						upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene		
		spec	a9/b8/c19/d19	flanged triangle with canals new subtype	Pluto I-87	6660	6670	2030.0	2033.0					X						upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene		

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals or triangle one canal above</i>	Pluto 1-87	6740	6750	2054.4	2057.4				X					upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene	
124580	35.1.1	spec	a4/b2+6+12/c2/d4+8+10	undescribed elasmobranch dermal denticle; Form G	Pluto 1-87	6780	6790	2066.5	2069.6									upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		upper Oligocene		Miocene to Oligocene	
124713	105.1.1	spec	a12,14/b3/c1/d1	undescribed ichthyolith oddity Form E	Pluto 1-87	6870	6880	2094.0	2097.0									upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		upper Oligocene		Miocene to Oligocene	
		frag?	a9/b1,5/c11,12/d20	<i>angled cone and basal canals?</i> new subtype	Pluto 1-87	6880	6890	2097.0	2100.1				X					upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene	
		spec		unidentified cone tooth	Pluto 1-87	6940	6950	2115.3	2118.4									upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene	
		base frag	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Pluto 1-87	6970	6980	2124.5	2127.5				X					upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene	
124574	29.2.1	spec	a2/b+2+10/c>2/d1.0-1.5	undescribed elasmobranch dermal denticle; Form A	Pluto 1-87	6970	6980	2124.5	2127.5									upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		upper Oligocene		Miocene to Oligocene	
		spec	a9/b8/c19/d19	<i>flanged triangle with canals</i> new subtype	Pluto 1-87	6980	6990	2127.5	2130.6				X					upper Eocene-Oligocene		upper Oligocene		Miocene to Oligocene	
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form D	Pluto 1-87	6980	6990	2127.5	2130.6	X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	upper Oligocene		Miocene to Oligocene	
124628	60.1.1, 60.1.2	spec	a9/b7+8/c19/d19	undescribed flanged tooth with mesial ridge	Pluto 1-87	7010	7020	2136.6	2139.7									upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Oligocene-upper Eocene		Miocene to Oligocene	
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals or triangle one canal above</i>	Pluto 1-87	7060	7070	2151.9	2154.9				X					upper Eocene-Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
124673	81.3.1	spec	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline</i> new subtype	Pluto 1-87	7070	7080	2154.9	2158.0							X		Miocene; ?sloughed into Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
		spec	a9/b1,5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Pluto 1-87	7110	7120	2167.1	2170.2							X		Miocene; ?sloughed into Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
		base frag	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Pluto 1-87	7140	7150	2176.3	2179.3				X					upper Eocene-Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals or triangle one canal above</i>	Pluto 1-87	7140	7150	2176.3	2179.3				X					upper Eocene-Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
		frag	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	Pluto 1-87	7140	7150	2176.3	2179.3	X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	lower Oligocene-upper Eocene		Miocene to Oligocene	
		spec	a9/b5+8/c13+19/d13+19	<i>triangle one canal above</i> Doyle, Kennedy, & Riedel, 1974	Pluto 1-87	7170	7180	2185.4	2188.5				X					Oligocene-upper Eocene	lower Eocene through middle Miocene	lower Oligocene-upper Eocene		Miocene to Oligocene	
		spec		unidentified elasmobranch dermal denticle	Pluto 1-87	7170	7180	2185.4	2188.5									upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Oligocene-upper Eocene		Miocene to Oligocene	
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	7220	7230	2200.7	2203.7				x	x				upper Eocene-Oligocene		lower Oligocene-upper Eocene		Miocene to Oligocene	
		spec	a9/b5+8/c13+19/d13+19	<i>triangle one canal above</i> Doyle, Kennedy, & Riedel, 1974	Pluto 1-87	7270	7280	2215.9	2218.9				X					Oligocene-upper Eocene	lower Eocene through middle Miocene	lower Oligocene-upper Eocene		Miocene to Oligocene	
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	7360	7370	2243.3	2246.4				x	x				upper Eocene-Oligocene	Oligocene-upper Eocene	lower Oligocene-upper Eocene		Oligocene	
124611	50.1.1	fair	a9/b5+8/c13+19/d13+19	<i>beveled triangle high inline</i> Doyle, Dunsforth, and Riedel, 1978	Pluto 1-87	7420	7430	2261.6	2264.7									upper Eocene-Oligocene	lower Paleocene through lower Eocene; rare Campanian;	lower Oligocene-upper Eocene		Oligocene	
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	7420	7430	2261.6	2264.7				x	x				upper Eocene-Oligocene	Oligocene-upper Eocene	lower Oligocene-upper Eocene		Oligocene	
		frag	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	Pluto 1-87	7630	7640	2325.6	2328.7	X								Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic	lower Oligocene-upper Eocene		Oligocene	
124604	45.4.1	spec	a9/b5+8/c19/d19	<i>triangle transverse line across</i> Doyle, Kennedy, and Riedel, 1974	Pluto 1-87	7630	7640	2325.6	2328.7				X					upper Eocene-Oligocene	upper Paleocene through lower Miocene	lower Oligocene-upper Eocene		Oligocene	
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	7650	7660	2331.7	2334.8				x	x				upper Eocene-Oligocene	Oligocene-upper Eocene	lower Oligocene-upper Eocene		Oligocene	
124670	80.1.2	spec	a9/b1,5/c1/d1	<i>cf. curved flared triangle</i> Ramsey, Doyle, and Riedel, 1976	Pluto 1-87	7720	7730	2353.1	2356.1									Oligocene-upper Eocene; ?reworked from older strata	Upper Jurassic through Middle Eocene	lower Oligocene-upper Eocene		Oligocene	
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals or triangle one canal above</i>	Pluto 1-87	7860	7870	2395.7	2398.8				X					upper Eocene-Oligocene		lower Oligocene-upper Eocene		Oligocene	
		spec		unidentified cone tooth	Pluto 1-87	7930	7940	2417.1	2420.1									upper Eocene-Oligocene		lower Oligocene-upper Eocene		Oligocene	

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		frag	a4,6/b1/c2/d1	cf. <i>ogee lanceolate</i> Tway, Doyle, and Riedel, 1987	Pluto 1-87	7970	7980	2429.3	2432.3				X							upper Eocene to middle Miocene	lower Eocene to middle Miocene	lower Oligocene-upper Eocene		Oligocene	
124700	94.1.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form G	Pluto 1-87	7970	7980	2429.3	2432.3											upper Eocene-Oligocene		lower Oligocene-upper Eocene		Oligocene	
124550	21.4.1	?frag	a2/b2+6/c3/d1,2	<i>short side peaks differentiated margin?</i> Doyle, Kennedy & Riedel, 1974	Pluto 1-87	8110	8120	2471.9	2475.0				X							upper Eocene and Oligocene	upper Eocene through middle Miocene	lower Oligocene-upper Eocene		Oligocene	continental margin slope
124588	41.2.1	good spec	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Pluto 1-87	8420	8430	2566.4	2569.5					X						upper Eocene-Oligocene		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		spec	a9/b1,5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Pluto 1-87	8570	8580	2612.1	2615.2									X		Miocene; ?sloughed into Oligocene		lower Oligocene-upper Eocene		Oligocene	continental margin slope
124581	35.2.1	spec	a4/b2+6+12/c2/d4+8+10	undescribed elasmobranch dermal denticle; Form G	Pluto 1-87	8590	8600	2618.2	2621.3											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		spec	a9/b5+8/c19+(11,12,13)/d19+(11,12,13)/	<i>centrally inflated triangle with canals</i> new subtype	Pluto 1-87	8770	8780	2673.1	2676.1					X						Oligocene-upper Eocene		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		base frag	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Pluto 1-87	8860	8870	2700.5	2703.6					X						upper Eocene-Oligocene		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		?frag	a9/b8+12/c(12,13)+(16,17)+19/d(1,16,17)+19	Family Squalidae, Form E	Pluto 1-87	9220	9230	2810.3	2813.3	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	9220	9230	2810.3	2813.3				x	x						upper Eocene-Oligocene	Oligocene-upper Eocene	lower Oligocene-upper Eocene		Oligocene	continental margin slope
		spec	a8/b5+8/c2/d1,2	<i>wide triangle double flex</i> Dunsforth, Doyle, and Riedel, 1975	Pluto 1-87	9820	9830	2993.1	2996.2					X						upper Eocene/Oligocene	Paleocene - Eocene	lower Oligocene-upper Eocene		Oligocene	continental margin slope
		spec	a4/b2+6+12/c2,4/d4+(7,8)+10+13	<i>pointed and skirted</i> Doyle, Dunsforth, & Riedel, 1978; Form B	Pluto 1-87	10,030	10,040	3057.1	3060.2		X									Upper Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene	Campanian through upper Eocene; rare other Cenozoic			Oligocene	continental margin slope
		??spec	a12/b1,8/c0,1,2	undescribed ichthyolith oddity Form C7, "globular dome"	Pluto 1-87	10,060	10,070	3066.3	3069.3											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		??spec	a12/b1,8/c0,1,2	undescribed ichthyolith oddity Form C7, "globular dome"	Pluto 1-87	10,060	10,070	3066.3	3069.3											upper Eocene to Oligocene; ?reworked Eocene through Cretaceous		lower Oligocene-upper Eocene		Oligocene	continental margin slope
		frag	a8,9/b5+8	<i>flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase</i>	Pluto 1-87	10260	10270	3127.2	3130.3				x	x						upper Eocene-Oligocene	Oligocene-upper Eocene			Oligocene	continental margin slope
124527	9.2.1	spec	a9/b8+12/c14+19/d19	Superorder Hexanchoidel, Form A	Pluto 1-87	11,220	11,230	3419.9	3422.9	X										Cretaceous to lower Eocene; reworked into upper Eocene/Oligocene				Eocene	
		spec	a9/b8/c19/d19	<i>flanged triangle with canals</i> new subtype	Pluto 1-87	?	?	?	?					X						upper Eocene-Oligocene					
124706	100.1.1	spec	a9/b5/c1/d1	undescribed cone tooth Form M	Prometheus H-68	3550	3560	1082.0	1085.1											lower Pliocene		lower Pliocene		Pliocene	open marine, >600'
124680	84.2.1	good	a9/b5/c1/d1	cf. <i>long triangle stepped margin</i> Doyle, Kennedy, and Riedel, 1974	Prometheus H-68	4420		1347.2										X		lower Pliocene to upper Miocene	latest Miocene to Recent	lower Pliocene		Miocene	
		frag	a9/b1,5/c1/d1	<i>narrow tall triangle, irregular threaded inline</i> new subtype	Prometheus H-68	4530	4540	1380.7	1383.8									X		Pliocene and Miocene		lower Pliocene		Miocene	
		spec		unidentified cone tooth	Prometheus H-68	4530	4540	1380.7	1383.8											Pliocene and Miocene		lower Pliocene		Miocene	
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	4810	4830	1466.1	1472.2									X		Miocene and Pliocene		lower Pliocene		Miocene	
124656	76.1.1	good	a9/b1,5/c1/d1	<i>"shadowed high inline cone"</i>	Prometheus H-68	4850	4870	1478.3	1484.4										X	lower Pliocene to upper Miocene		lower Pliocene		Miocene	
		frag	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline</i> new subtype	Prometheus H-68	4950	4970	1508.8	1514.9										X	Miocene and Pliocene		lower Pliocene		Miocene	
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5090	5110	1551.4	1557.5									X		Miocene and Pliocene		lower Pliocene		Miocene	
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5090	5110	1551.4	1557.5										X	Miocene and Pliocene		lower Pliocene		Miocene	
		?frag	a9/b5/c1/d1	cf. <i>short triangle stepped margin?</i> Doyle, Kennedy, and Riedel, 1974	Prometheus H-68	5090	5110	1551.4	1557.5										X	Miocene and Pliocene	Oligocene/Miocene boundary through Quaternary	lower Pliocene		Miocene	
		frag	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline</i> new subtype	Prometheus H-68	5150	5160	1569.7	1572.8										X	Miocene and Pliocene		lower Pliocene		Miocene	
		good	a9/b1,5/c1/d1	<i>"shadowed high inline cone"</i>	Prometheus H-68	5170	5190	1575.8	1581.9										X	lower Pliocene to upper Miocene		lower Pliocene		Miocene	
		frag	a9/b1,5/c1/d1	cf. <i>curved triangle, wide inline</i> new subtype	Prometheus H-68	5170	5190	1575.8	1581.9										X x	Miocene and Pliocene		lower Pliocene		Miocene	
		spec	a9/b1,5/c1/d1	<i>curved triangle, wide inline</i> new subtype	Prometheus H-68	5170	5190	1575.8	1581.9										X x	Miocene and Pliocene		lower Pliocene		Miocene	

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted Interval Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		?frag	a9/b5/c1/d1	<i>curved triangle, parallel-sided inline?</i> new subtype	Prometheus H-68	5200	5210	1585.0	1588.0								X	Miocene and Pliocene		lower Pliocene		Miocene	
		cap frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5230	5240	1594.1	1597.2								X	Miocene and Pliocene		lower Pliocene		Miocene	
		cap	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5250	5260	1600.2	1603.2								X	Miocene and Pliocene		lower Miocene		Miocene	
		spec	a9/b1.5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Prometheus H-68	5250	5260	1600.2	1603.2								X	Miocene and Pliocene		lower Miocene		Miocene	
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5310	5320	1618.5	1621.5								X	Miocene and Pliocene		lower Pliocene		Miocene	
124708	102.1.1, 102.1.2	spec	a9/b1	undescribed ichthyolith oddity Form B	Prometheus H-68	5310	5320	1618.5	1621.5									Miocene and Pliocene		lower Pliocene		Miocene	
		spec	a9/b1.5/c1/d1	<i>curved triangle, striated inline</i> new subtype	Prometheus H-68	5350	5360	1630.7	1633.7							X		middle and lower Miocene		upper Miocene		Miocene	
124546	19.1.1, 19.1.2	spec	a9/b2+8+12/c19+20/d19+20	unidentified elasmobranch tooth, Form E	Prometheus H-68	5350	5360	1630.7	1633.7									Miocene; ?reworked from older strata		upper Miocene		Miocene	
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5440	5450	1658.1	1661.2								X	Miocene and Pliocene		middle Miocene		Miocene	
124607	46.2.1	spec	a9/b8/c19/d19	<i>flanged triangle with canals</i> new subtype	Prometheus H-68	5440	5450	1658.1	1661.2				X					Oligocene and upper Eocene; reworked into lower Miocene		middle Miocene		Miocene	
		spec	a9/b1.5/c1/d1	undescribed cone tooth Form F	Prometheus H-68	5440	5450	1658.1	1661.2									Miocene		middle Miocene		Miocene	
		spec	a9/b1.5/c1/d1	<i>curved triangle, striated inline</i> new subtype	Prometheus H-68	5480	5490	1670.3	1673.4							X		mixed interval		mixed interval, with Miocene		Miocene	
		?spec	a12/b1.8/c0,1,2	undescribed ichthyolith oddity Form C?, "globular dome"	Prometheus H-68	5480	5490	1670.3	1673.4									Miocene		mixed interval, with Miocene		Miocene	
124600	44.3.1	spec	a9/b5+8/c13+19/d13+19	cf. triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Prometheus H-68	5500	5510	1676.4	1679.4				X					Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval, with Miocene		Miocene	
		?frag	a9/b5/c1/d1	cf. <i>narrow curved triangle?</i> Doyle, Kennedy, and Riedel, 1976	Prometheus H-68	5550	5560	1691.6	1694.7								X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	mixed interval, with Miocene		Miocene	
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5620	5630	1713.0	1716.0								X	Miocene		mixed interval, with Miocene		Miocene	
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5620	5630	1713.0	1716.0								X	Miocene		mixed interval, with Miocene		Miocene	
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	5620	5630	1713.0	1716.0								X	Miocene		mixed interval, with Miocene		Miocene	
124576	31.1.1	spec	a4/b1.2/c2/d1,4	undescribed elasmobranch dermal denticle; Form C	Prometheus H-68	5620	5630	1713.0	1716.0									?Oligocene and upper Eocene; reworked into lower Miocene		mixed interval, with Miocene		Miocene	
		spec	a12,14/b3/c1/d1	undescribed ichthyolith oddity Form E	Prometheus H-68	5620	5630	1713.0	1716.0									?Oligocene and upper Eocene; reworked into lower Miocene		mixed interval, with Miocene		Miocene	
124641	71.1.1	frag	a9/b1.5/c1/d1	cf. <i>curved triangle, wide inline</i> new subtype	Prometheus H-68	5640	5650	1719.1	1722.1								X	Miocene		mixed interval, with Miocene		Miocene	
		spec	a9/b1.5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Prometheus H-68	5640	5650	1719.1	1722.1								X	Miocene		mixed interval, with Miocene		Miocene	
		spec	a9/b1.5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Prometheus H-68	5670	5680	1728.2	1731.3								X	Miocene		mixed interval, with Miocene		Miocene	
		?frag	a9/b1.5/c1/d1	cf. <i>curved triangle, parallel-sided inline?</i> new subtype	Prometheus H-68	5710	5720	1740.4	1743.5								X	Miocene		mixed interval		Miocene	
		? frag	a9/b1.5/c1/d1	cf. <i>curved triangle, wide inline?</i> new subtype	Prometheus H-68	5710	5720	1740.4	1743.5								X	Miocene		mixed interval		Miocene	
124570	27.1.1	spec	a4/b2+6/c2/d4+8+10	cf. <i>pointed and skirted</i> Doyle, Dunsworth, & Riedel, 1978	Prometheus H-68	5710	5720	1740.4	1743.5		X							Upper Cretaceous to lower Eocene; reworked into upper Eocene / Oligocene / Miocene	Campanian through lower Eocene; rare later Cenozoic	mixed interval		Miocene	
		spec		unidentified cone tooth	Prometheus H-68	5730	5740	1746.5	1749.6									mixed interval		mixed interval		Miocene	
		good spec	a9/b1.5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Prometheus H-68	5770	5780	1758.7	1761.7				X					Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	
		spec	a9/b5+8/c+13+19/d+13+19	cf. <i>simple triangle</i> Winfrey, Doyle and Riedel, 1987	Prometheus H-68	5770	5780	1758.7	1761.7									?reworked from older strata	Cretaceous and older strata	mixed interval		Miocene	
		spec	a9/b1.5/c1/d1	<i>narrow tall triangle, inflated inline apex</i> new subtype	Prometheus H-68	5770	5780	1758.7	1761.7								X	Miocene		mixed interval		Miocene	
124654	75.1.1	spec	a9/b1.5/c1/d1	<i>narrow tall triangle, irregular threaded inline</i> new subtype	Prometheus H-68	5790	5800	1764.8	1767.8								X	Miocene		mixed interval		Miocene	
		?frag	a9/b1.5/c1/d1	<i>narrow tall triangle, inflated inline apex?</i> new subtype	Prometheus H-68	6040	6050	1841.0	1844.0								X	Miocene		mixed interval/volcanics		Eocene volcanics	
124688	86.1.1	spec	a9/b1/c1/d1	cf. <i>triangle small top</i> Ramsey, Doyle, and Riedel, 1976	Prometheus H-68	6160	6170	1877.6	1880.6							X		middle-lower Miocene	Cretaceous through Quaternary	mixed interval/volcanics		Eocene volcanics	
		cap frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Prometheus H-68	6780	6790	2066.5	2069.6								X	Miocene		mixed interval/volcanics		Eocene volcanics	

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		spec	a2/b+2+10/c>2/d1.0-1.5	undescribed elasmobranch dermal denticle; Form A	Prometheus H-68	7030	7040	2142.7	2145.8									mixed interval		mixed interval/volcanics		Eocene volcanics	
		spec	a9/b5+8/c13+19/d13+19	cf. triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Prometheus H-68	7220		2200.7					X					Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval/volcanics		Eocene volcanics	
		?frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Prometheus H-68	7220		2200.7								X		Miocene		mixed interval/volcanics		Eocene volcanics	
124681	85.1.1	spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	Prometheus H-68	7250	7260	2209.8	2212.8							X		Miocene		mixed interval/volcanics		Eocene volcanics	
		?frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Prometheus H-68	7250	7260	2209.8	2212.8							X		Miocene		mixed interval/volcanics		Eocene volcanics	
124653	74.1.1	spec	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	Prometheus H-68	7400	7410	2255.5	2258.6							X		Miocene		mixed interval/volcanics		Eocene volcanics	
124642	71.2.1	frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline new subtype	Zeus D-14	3160	3180	963.2	969.3							X		Miocene		upper Miocene		Pliocene	contental shelf edge to bathyal
		spec	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	Zeus D-14	3160	3180	963.2	969.3							X		Miocene		upper Miocene		Pliocene	contental shelf edge to bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	3240	3260	987.6	993.6							X		Miocene		upper Miocene		Pliocene	contental shelf edge to bathyal
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	3360	3380	1024.1	1030.2							X		Miocene		upper Miocene		Pliocene	contental shelf edge to bathyal
		fair frag	a9/b1,5/c1/d1	curved triangle, wide inline new subtype	Zeus D-14	3640	3660	1109.5	1115.6							X		Miocene		upper Miocene		Pliocene	contental shelf edge to bathyal
		good	a9/b5+8+(10,12)/c19/d19	cf. wide triangle Dunsforth, Doyle, and Riedel, 1975	Zeus D-14	3800	3820	1158.2	1164.3									?reworked	lower Eocene through lower Miocene; rare Paleocene, upper Miocene and Pliocene	upper Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	angled cone and bulbous base? new subtype	Zeus D-14	3840	3860	1170.4	1176.5							X		Miocene		upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	3840	3860	1170.4	1176.5							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	curved triangle, wide inline new subtype	Zeus D-14	3840	3860	1170.4	1176.5							X		Miocene		upper Miocene		Miocene	bathyal
124704	98.1.1	spec	a9/b1,5/c1/d1	undescribed cone tooth Form K	Zeus D-14	3920	3940	1194.8	1200.9									Miocene		upper Miocene		Miocene	bathyal
		spec	a12/b1,8/c0,1,2	undescribed ichthyolith oddity Form C, "globular dome"	Zeus D-14	3960	3980	1207.0	1213.1									Miocene		upper Miocene		Miocene	bathyal
		fair cap	a9/b1,5/c11,12/d20	angled cone and basal canals? new subtype	Zeus D-14	4040	4060	1231.4	1237.5				X					Oligocene-upper Eocene; reworked into Miocene strata		upper Miocene		Miocene	bathyal
124620	54.1.1, 54.1.2	spec	a9/b5+8/c13+19/d13+19	cf. triangle curved margin ends Doyle and Riedel, 1985	Zeus D-14	4040	4060	1231.4	1237.5					X				?reworked into younger Cenozoic strata	upper Paleocene through lowermost Eocene	upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	4260	4280	1298.4	1304.5							X	x	Miocene and Pliocene		upper Miocene		Miocene	bathyal
		good	a9/b1,5/c1/d1	shadowed curved blunt triangle new subtype	Zeus D-14	4260	4280	1298.4	1304.5							X		Pliocene and upper Miocene		upper Miocene		Miocene	bathyal
		cap	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	4620	4640	1408.2	1414.3							X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4620	4640	1408.2	1414.3							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4620	4640	1408.2	1414.3							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	cf. narrow curved triangle? Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4620	4640	1408.2	1414.3							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Zeus D-14	4620	4640	1408.2	1414.3							X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
124675	82.2.1	spec	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4680	4690	1426.5	1429.5							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4680	4690	1426.5	1429.5							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4680	4690	1426.5	1429.5							X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Angle well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
124677	83.2.1	spec	a9/b5/c1/d1	cf. short triangle stepped margin Doyle, Kennedy, and Riedel, 1974	Zeus D-14	4680	4690	1426.5	1429.5									X		lower Pliocene and Miocene	Oligocene/Miocene boundary through Quaternary	upper Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Zeus D-14	4700	4710	1432.6	1435.6									X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	4730	4740	1441.7	1444.8									X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4750	4760	1447.8	1450.8									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4770	4780	1453.9	1456.9									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	4790	4800	1460.0	1463.0									X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4830	4840	1472.2	1475.2									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	upper Miocene		Miocene	bathyal
		frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline new subtype	Zeus D-14	4850	4860	1478.3	1481.3									X		Miocene and Pliocene		upper Miocene		Miocene	bathyal
124616	52.3.1	spec	a9/b5+8/c13+19/d13+19	triangle modified margin ends Doyle and Riedel, 1985	Zeus D-14	4870	4880	1484.4	1487.4											reworked?	lower Paleocene	upper Miocene		Miocene	bathyal
124715	106.1.1	spec	a12/b10	undescribed ichthyolith oddity Form F	Zeus D-14	4870	4880	1484.4	1487.4											Miocene		upper Miocene		Miocene	bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	4890	4900	1490.5	1493.5									X		Miocene and Pliocene		middle Miocene		Miocene	bathyal
		spec	a12,15/b10+12	undescribed ichthyolith oddity Form G	Zeus D-14	4890	4900	1490.5	1493.5											Miocene		middle Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4930	4940	1502.7	1505.7									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	middle Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4950	4960	1508.8	1511.8									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	middle Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	cf. narrow curved triangle? Doyle, Kennedy, and Riedel, 1976	Zeus D-14	4990	5000	1521.0	1524.0									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	middle Miocene		Miocene	bathyal
		spec	a9/b5/c1/d1	cf. short triangle stepped margin Doyle, Kennedy, and Riedel, 1974	Zeus D-14	4990	5000	1521.0	1524.0									X		Miocene and Pliocene	Oligocene/Miocene boundary through Quaternary	middle Miocene		Miocene	bathyal
124707	101.1.1	spec	a9/b1	undescribed ichthyolith oddity Form A	Zeus D-14	4990	5000	1521.0	1524.0											Miocene		middle Miocene		Miocene	bathyal
124672	81.2.1	spec	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Zeus D-14	5030	5040	1533.1	1536.2									X		Miocene		middle Miocene		Miocene	bathyal
124524	4.4.1	spec	a9/b8+12/c(12,13)+19/d14+19	Family Squalidae, Form A	Zeus D-14	5030	5040	1533.1	1536.2	X										Cretaceous to lower Eocene; reworked into upper Eocene / Oligocene / Miocene strata		middle Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	5090	5100	1551.4	1554.5									X		Miocene		middle Miocene		Miocene	bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	5190	5200	1581.9	1585.0									X		Miocene		middle Miocene		Miocene	bathyal
		spec	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Zeus D-14	5210	5220	1588.0	1591.1									X		Miocene		middle Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Zeus D-14	5230	5240	1594.1	1597.2									X		Miocene		middle Miocene		Miocene	bathyal
124617	53.1.1	spec	a9/b5+8/c+13+19/d+13+19	cf. simple triangle Winfrey, Doyle and Riedel, 1987	Zeus D-14	5350	5360	1630.7	1633.7											?reworked from older strata	Cretaceous and older strata	middle Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	5390	5400	1642.9	1645.9									X		Miocene		middle Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	angled cone and bulbous base? new subtype	Zeus D-14	5390	5400	1642.9	1645.9									X		Miocene		middle Miocene		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	curved triangle, wide inline? new subtype	Zeus D-14	5390	5400	1642.9	1645.9									X		Miocene		middle Miocene		Miocene	bathyal
		spec		unidentified cone tooth	Zeus D-14	5430	5440	1655.1	1658.1											Miocene		Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5490	5500	1673.4	1676.4									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
124648	73.1.1	frag	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Zeus D-14	5510	5520	1679.4	1682.5									X		Miocene		Miocene		Miocene	bathyal
124636	67.2.1	spec	a9/b1/c1/d1	cf. small triangle long striations Dunsworth, Doyle, and Riedel, 1975	Zeus D-14	5530	5540	1685.5	1688.6											Miocene	lower Miocene through Quaternary	middle-upper Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Zeus D-14	5550	5560	1691.6	1694.7										X	Miocene		Miocene		Miocene	bathyal
		frag	a9/b1,5/c1/d1	narrow tall triangle, irregular threaded inline new subtype	Zeus D-14	5550	5560	1691.6	1694.7										X	Miocene		Miocene		Miocene	bathyal
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	5570	5580	1697.7	1700.8										X	Miocene		Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5590	5660	1703.8	1725.2										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
124674	82.1.1	spec	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5610	5620	1709.9	1713.0										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5650	5660	1722.1	1725.2										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	curved triangle, striated inline new subtype	Zeus D-14	5650	5660	1722.1	1725.2										X	middle and lower Miocene		Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	curved triangle, parallel-sided inline? new subtype	Zeus D-14	5670	5680	1728.2	1731.3										X	Miocene		Miocene		Miocene	bathyal
		spec?	a9/b5+8/c13+19/d19/	narrow triangle straight inbase? Doyle, Kennedy, & Riedel 1974	Zeus D-14	5730	5740	1746.5	1749.6					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through Quaternary	Miocene		Miocene	bathyal
		spec	a12/b1,8/c0,1,2	undescribed ichthyolith oddity Form C, "globular dome"	Zeus D-14	5760	5780	1755.6	1761.7											Miocene		Miocene		Miocene	bathyal
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5840	5860	1780.0	1786.1										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
		spec	a9/b5+8/c13+19/d13+19	cf. triangle curved margin ends Doyle and Riedel, 1985	Zeus D-14	5840	5860	1780.0	1786.1							X				?reworked from older Cenozoic strata	upper Paleocene through lowermost Eocene	Miocene	Miocene; lower Paleocene through lower Eocene	Miocene	bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	5880	5890	1792.2	1795.3										X	Miocene		Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	cf. narrow curved triangle? Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5880	5890	1792.2	1795.3										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
		?frag	a9/b5/c1/d1	cf. narrow curved triangle? Doyle, Kennedy, and Riedel, 1976	Zeus D-14	5880	5890	1792.2	1795.3										X	mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	Miocene		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Zeus D-14	5880	5890	1792.2	1795.3										X	Miocene		Miocene		Miocene	bathyal
124668	79.3.1	spec	a9/b1,5/c1/d1	curved triangle, striated inline new subtype	Zeus D-14	5910	5920	1801.4	1804.4										X	middle and lower Miocene		Miocene		Miocene	bathyal
124716	107.1.1	spec	a12,15/b10+12	undescribed ichthyolith oddity Form G	Zeus D-14	5910	5920	1801.4	1804.4											Miocene		Miocene		Miocene	bathyal
		? frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	5990	6000	1825.8	1828.8										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
		?frag	a9/b1,5/c1/d1	cf. curved triangle, parallel-sided inline? new subtype	Zeus D-14	6010	6020	1831.8	1834.9										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
124666	79.2.1	spec	a9/b1,5/c1/d1	curved triangle, striated inline new subtype	Zeus D-14	6010	6020	1831.8	1834.9										X	middle and lower Miocene		Miocene	lower Miocene	Miocene	bathyal
		frag	a9/b1,5/c1/d1	cf. curved triangle, wide inline new subtype	Zeus D-14	6040	6050	1841.0	1844.0										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
124678	83.3.1	good	a9/b5/c1/d1	cf. short triangle stepped margin Doyle, Kennedy, and Riedel, 1974	Zeus D-14	6040	6050	1841.0	1844.0										X	Miocene	Oligocene/Miocene boundary through Quaternary	lower Miocene		Miocene	bathyal
		frag	a9/b1,5/c1/d1	narrow tall triangle, cone inline new subtype	Zeus D-14	6040	6050	1841.0	1844.0										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
124601	45.1.1	spec	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Zeus D-14	6060	6070	1847.1	1850.1					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	lower Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	narrow tall triangle, inflated inline apex new subtype	Zeus D-14	6080	6090	1853.2	1856.2										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	6130	6140	1868.4	1871.5										X	Miocene		Miocene	lower Miocene	Miocene	bathyal
124689	86.2.1	spec	a9/b5/c1/d1	cf. triangle small top Ramsey, Doyle, and Riedel, 1976	Zeus D-14	6130	6140	1868.4	1871.5										X	middle and lower Miocene	Cretaceous through Quaternary	mixed interval		Miocene	bathyal

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Zeus D-14	6160	6170	1877.6	1880.6									X		Miocene		lower Miocene		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	<i>curved triangle, striated inline?</i> new subtype	Zeus D-14	6160	6170	1877.6	1880.6								X			mixed interval		lower Miocene		Miocene	bathyal
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Zeus D-14	6180	6190	1883.7	1886.7									X		Miocene		lower Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	undescribed cone tooth Form C	Zeus D-14	6200	6210	1889.8	1892.8											Miocene		lower Miocene		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, wide inline</i> new subtype	Zeus D-14	6240	6250	1902.0	1905.0									X		Miocene		lower Miocene		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	<i>curved triangle, striated inline?</i> new subtype	Zeus D-14	6240	6250	1902.0	1905.0								X			mixed interval		lower Miocene		Miocene	bathyal
		spec	a9/b5+8/c+13+19/d+13+19	<i>cf. simple triangle</i> Winfrey, Doyle and Riedel, 1987	Zeus D-14	6280	6290	1914.1	1917.2											?reworked from older strata	Cretaceous and older strata	lower Miocene		Miocene	bathyal
		spec	a9/b1,5/c1/d1	<i>curved triangle, wide inline</i> new subtype	Zeus D-14	6300	6310	1920.2	1923.3									X		Miocene		lower Miocene		Miocene	bathyal
124632	64.1.1	spec	a8/b5+8/c2/d1,2	<i>triangle double flex</i> Dunsworth, Doyle, and Riedel, 1975	Zeus D-14	6380	6390	1944.6	1947.7						X					Oligocene-upper Eocene; ?reworked into lower Miocene strata	middle Eocene through middle Miocene	mixed interval		Miocene	bathyal
		? frag	a9/b1,5/c1/d1	<i>cf. curved triangle, wide inline?</i> new subtype	Zeus D-14	6400	6410	1950.7	1953.8									X		Miocene		mixed interval		Miocene	bathyal
124709	38.1.1	spec	a1/b2+13	undescribed elasmobranch dermal denticle; Form J	Zeus D-14	6420	6430	1956.8	1959.9											Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		?frag	a9/b5/c1/d1	<i>angled cone and bulbous base?</i> new subtype	Zeus D-14	6460	6470	1969.0	1972.1									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, parallel-sided inline</i> new subtype	Zeus D-14	6460	6470	1969.0	1972.1									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, wide inline</i> new subtype	Zeus D-14	6460	6470	1969.0	1972.1									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, parallel-sided inline</i> new subtype	Zeus D-14	6500	6510	1981.2	1984.2									X		Miocene		mixed interval		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	<i>curved triangle, wide inline?</i> new subtype	Zeus D-14	6500	6510	1981.2	1984.2									X		Miocene		mixed interval		Miocene	bathyal
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals</i> or <i>triangle one canal above</i>	Zeus D-14	6500	6510	1981.2	1984.2					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		frag	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Zeus D-14	6540	6550	1993.4	1996.4									X		Miocene		mixed interval		Miocene	bathyal
		?frag	a9/b5/c1/d1	<i>cf. narrow curved triangle?</i> Doyle, Kennedy, and Riedel, 1976	Zeus D-14	6580	6590	2005.6	2008.6									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	mixed interval		Miocene	bathyal
124599	44.2.1	spec	a9/b5+8/c13+19/d13+19	<i>cf. triangle transverse line across</i> Doyle, Kennedy, and Riedel, 1974	Zeus D-14	6580	6590	2005.6	2008.6					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval		Miocene	bathyal
		spec	a9/b5+8/c13+19/d13+19	<i>cf. triangle transverse line across</i> Doyle, Kennedy, and Riedel, 1974	Zeus D-14	6580	6590	2005.6	2008.6					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval		Miocene	bathyal
		spec		unidentified elasmobranch dermal denticle	Zeus D-14	6640	6650	2023.9	2026.9											Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	<i>cf. curved triangle, parallel-sided inline?</i> new subtype	Zeus D-14	6680	6690	2036.1	2039.1									X		Miocene		mixed interval		Miocene	bathyal
		base frag	a9/b8/c19/d19	<i>flanged triangle with canals</i> or <i>triangle one canal above</i>	Zeus D-14	6680	6690	2036.1	2039.1					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		?spec	a12/b1,8/c0,1,2	undescribed ichthyolith oddity Form C?; "globular dome"	Zeus D-14	6680	6690	2036.1	2039.1											Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, wide inline</i> new subtype	Zeus D-14	6730	6740	2051.3	2054.4									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>cf. curved triangle, wide inline</i> new subtype	Zeus D-14	6790	6800	2069.6	2072.6									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b1,5/c1/d1	<i>curved triangle, wide inline</i> new subtype	Zeus D-14	6790	6800	2069.6	2072.6									X		Miocene		mixed interval		Miocene	bathyal
124583	37.1.1	spec	a4/b2+10/c2/d4+10+14	undescribed elasmobranch dermal denticle; Form I	Zeus D-14	6790	6800	2069.6	2072.6											Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		spec		unidentified cone tooth	Zeus D-14	6790	6800	2069.6	2072.6											Miocene		mixed interval		Miocene	bathyal
		spec	a9/b1,5/c11,12/d20	<i>angled cone and basal canals</i> new subtype	Zeus D-14	6850	6860	2087.9	2090.9					X						Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		spec	a9/b5/c1/d1	<i>angled cone and bulbous base</i> new subtype	Zeus D-14	6870	6880	2094.0	2097.0									X		Miocene		mixed interval		Miocene	bathyal
		?frag	a9/b1,5/c1/d1	<i>cf. curved triangle, parallel-sided inline?</i> new subtype	Zeus D-14	6870	6860	2094.0	2090.9									X		Miocene		mixed interval		Miocene	bathyal

GSC Specimen No.	PE Fig. no.	Spec	CUIHS identification (a/b/c/d only)	Ichthyolith	Shell-Anglo well or outcrop sample number and location	interval (feet)	interval (feet)	interval (metres)	interval (metres)	Squaloid teeth interval	Pointed & Skirted interval	Three Peaks ... interval	Short Side Peaks Zone	Teeth With Canals Zone	Centrally inflated ... interval	cf. triangle curved ... interval	Striated Triangle Zone	Bulbous Base Zone	Shadowed Cone Zone	Stratigraphic position (Tofino Basin ichthyoliths)	Stratigraphic position (deep-sea core ichthyoliths)	Stratigraphic position, Tofino Basin foraminifers (Narayan, 2003)	Stratigraphic position and foraminifer zone (Cameron, 1980)	Stratigraphic position (Shell Canada Ltd. paleontological reports)	Biofacies (Shell Canada Ltd. paleontological reports)
		? frag	a9/b1.5/c1/d1	cf. curved triangle, wide inline? new subtype	Zeus D-14	6870	6880	2094.0	2097.0										X	Miocene		mixed interval		Miocene	bathyal
		spec	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Zeus D-14	6870	6880	2094.0	2097.0				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval		Miocene	bathyal
		spec	a9/b5/c1/d1	curved triangle, parallel-sided inline new subtype	Zeus D-14	6890	6900	2100.1	2103.1									X		Miocene		mixed interval		Miocene	bathyal
		spec	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	6930	6940	2112.3	2115.3									X		Miocene		mixed interval		Miocene	bathyal
124623	55.2.1	spec	a9/b5+8/c13+19/d19/	narrow triangle straight inbase Doyle, Kennedy, & Riedel 1974	Zeus D-14	6950	6960	2118.4	2121.4				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through Quaternary	mixed interval		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	6970	6980	2124.5	2127.5									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	6970	6980	2124.5	2127.5									X		Miocene		mixed interval		Miocene	bathyal
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Zeus D-14	6970	6980	2124.5	2127.5				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		good	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	7050	7060	2148.8	2151.9									X		Miocene		mixed interval		Miocene	bathyal
		frag	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Zeus D-14	7070	7080	2154.9	2158.0				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval		Miocene	bathyal
124584	37.2.1	spec	a4/b2+10/c2/d4+10+14	undescribed elasmobranch dermal denticle; Form I	Zeus D-14	7090	7100	2161.0	2164.1											Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		Miocene	bathyal
		frag	a9/b1.5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	Zeus D-14	7110	7120	2167.1	2170.2									X		Miocene		mixed interval		Miocene	bathyal
		?frag	a9/b1.5/c1/d1	narrow tall triangle, inflated inline apex? new subtype	Zeus D-14	7130	7140	2173.2	2176.3									X		Miocene		mixed interval		Miocene	bathyal
		?spec	a9/b1.5/c1/d1	narrow tall triangle, irregular threaded inline? new subtype	Zeus D-14	7130	7140	2173.2	2176.3									X		Miocene		mixed interval		Miocene	bathyal
		frag	a8.9/b5+8	flanged tooth similar to triangle double flex, centrally inflated triangle with canals or narrow triangle straight inbase	Zeus D-14	7150	7160	2179.3	2182.4				x	x						upper Eocene-Oligocene		mixed interval		Miocene	bathyal
		frag	a9/b1.5/c1/d1	cf. curved triangle, parallel-sided inline new subtype	Zeus D-14	7210	7220	2197.6	2200.7									X		Miocene		mixed interval		Miocene	bathyal
		spec	a9/b1.5/c1/d1	curved triangle, striated inline new subtype	Zeus D-14	7210	7220	2197.6	2200.7									X		mixed interval		mixed interval		Miocene	bathyal
124602	45.2.1	spec	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Zeus D-14	7350	7360	2240.3	2243.3				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval		undiagnostic	undiagnostic
		frag	a9/b1.5/c1/d1	narrow tall triangle, irregular threaded inline new subtype	Zeus D-14	7370	7380	2246.4	2249.4									X		Miocene		mixed interval		undiagnostic	undiagnostic
		base frag	a9/b8/c19/d19	flanged triangle with canals or triangle one canal above	Zeus D-14	7390	7400	2252.5	2255.5				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval		undiagnostic	undiagnostic
		frag	a9/b5/c1/d1	angled cone and bulbous base new subtype	Zeus D-14	7550	7560	2301.2	2304.3									X		Miocene		mixed interval/volcanics		Eocene volcanics	undiagnostic
124603	45.3.1	spec	a9/b5+8/c19/d19	triangle transverse line across Doyle, Kennedy, and Riedel, 1974	Zeus D-14	7550	7560	2301.2	2304.3				X							Oligocene-upper Eocene; ?reworked into lower Miocene strata	upper Paleocene through lower Miocene	mixed interval/volcanics		Eocene volcanics	undiagnostic
124667	79.1.1	spec	a9/b1.5/c1/d1	curved triangle, striated inline new subtype	Zeus D-14	7560	7570	2304.3	2307.3									X		mixed interval		mixed interval/volcanics		Eocene volcanics	undiagnostic
124643	72.1.1, 72.1.2	spec	a9/b1.5/c1/d1	curved triangle, wide inline new subtype	Zeus D-14	7560	7570	2304.3	2307.3									X		Miocene		mixed interval/volcanics		Eocene volcanics	undiagnostic
		frag	a9/b5/c1/d1	cf. narrow curved triangle Doyle, Kennedy, and Riedel, 1976	Zeus D-14	7590	7600	2313.4	2316.5									X		mainly upper to middle Miocene; rare lower Pliocene, lower Miocene	upper Oligocene through lower Miocene; rare upper Eocene-lower Oligocene	mixed interval/volcanics		Eocene volcanics	undiagnostic
124655	75.2.1	frag	a9/b1.5/c1/d1	narrow tall triangle, irregular threaded inline new subtype	Zeus D-14	7590	7600	2313.4	2316.5									X		Miocene		mixed interval/volcanics		Eocene volcanics	undiagnostic
124608	48.1.1	spec	a9/b1/c1/d1	triangle chisel-top new subtype	Zeus D-14	7590	7600	2313.4	2316.5									X		Miocene		mixed interval/volcanics		Eocene volcanics	undiagnostic
124585	37.3.1	spec	a4/b2+10/c2/d4+10+14	undescribed elasmobranch dermal denticle; Form I	Zeus D-14	7810	7820	2380.5	2383.5											Oligocene-upper Eocene; ?reworked into lower Miocene strata		mixed interval/volcanics		Eocene volcanics	undiagnostic
124614	52.1.1	spec	a9/b5+8/c13+19/d13+19	triangle modified margin ends Doyle and Riedel, 1985	Zeus I-65	980	990	298.7	301.8											mixed interval	lower Paleocene	Pleistocene-Pliocene		lower Miocene	mixed shallow & deep faunas in deep water >600'; transported?
		spec	a12.15/b10+12	undescribed ichthyolith oddity Form G	Zeus I-65	1790	1820	545.6	554.7											mixed interval		upper-lower Pliocene		lower Miocene / Oligocene	>600'

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124516	3.1.1; 14.1.1 and 14.1.2	spec	a4/b6+8/c1/d2+8	<i>Raja</i> sp. A	Zeus 1-65	1820	1850	554.7	563.9										X	Pliocene to upper Miocene	frequently inhabit cool shelf waters	upper-lower Pliocene		lower Miocene / Oligocene	>600'
124626	58.1.1	spec	a9/b8/c13+19/d13+19	cf. <i>straight triangle keeled edges</i> Ramsey, Doyle, and Riedel, 1976	Zeus 1-65	3450	3460	1051.6	1054.6											mixed interval	Upper Jurassic through Miocene	upper-middle Miocene		lower Miocene / Oligocene; Eocene?	>600'