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Map and table describing fossil collections and
related samples in the Ketchikan and Prince
Rupert quadrangles, southeastern Alaska

by

Henry C. Berg and Edwin L. Cruz

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INTRODUCTION

This report consists of a map and companion table describing (a) fossil collections that have been made in the Ketchikan and Prince Rupert quadrangles east of Clarence Strait, and (b) samples collected for fossil (mainly conodont) determinations, whether or not they actually yielded conodonts or other fossils. The purpose of the report is to summarize in a single publication information about fossils gathered in the area by numerous workers since before 1900; some of this information has not previously been publically available. The report supplements published geologic maps of Annette and Gravina Islands (Berg, 1972, 1973) and of the Ketchikan and Prince Rupert quadrangles (Berg and others, 1978), and is one of a series of reports stemming from geological and mineral resource investigations of the area conducted under the Alaska Mineral Resource Assessment Program (AMRAP) (Berg, 1982).

Sources of information compiled for this report mainly are books and maps published by the U.S. Geological Survey (USGS). These are cited in the table and are listed at the end of this introduction. In most cases, the cited work contains additional information about the geology, stratigraphy, or fauna at the site. Sources of unpublished data include formal and informal reports by USGS paleontologists describing some of the fossil collections, and notebooks and maps of USGS workers conducting geological and mineral resource studies in the area.

The map shows the sites of approximately 150 fossil localities plotted at two topographic map scales. The larger scale map covers the Gravina-Annette-Hotspur Islands area, which contains most of the fossil occurrences known in the Ketchikan and Prince Rupert quadrangles. The other map encompasses both quadrangles and shows the sites of the dozen-odd fossil occurrences known outside the Gravina-Annette-Hotspur area. This map also is a generalized geologic map showing the distribution of major rock units in the quadrangles, and is the reference for the map units listed in the first column of the table. Data for the geologic map are generalized from several USGS publications that describe the geology in more detail (Berg, 1972, 1973, 1982; Berg and others, 1977, 1978).

The table summarizes information available about each fossil occurrence or related sample and includes, insofar as is known: geologic map unit; lithology; collector, year, and (when appropriate) USGS Museum collection number; names and ages of fossils; name of the person who identified the fossils; and citations of published references or other sources of data.

Presentation of data: Some of the most complete fossil collections and related descriptions were made by early workers when many of the sites were accessible by mining or logging roads. The table thus lists fossil collections in approximate chronological order, starting with the earliest collections reported in the area. On the other hand, lack of adequate maps prevented these early workers from recording the exact locations of their collections, and many of their sites are only approximately located on the maps in this report. More than one number at a site indicates that it was examined more than once, and these numbers are also in approximate chronological order.

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Fossil identification and nomenclature: Except for omitting customary italics for generic and specific names, this report presents names of fossils identified in the collections exactly as originally published or otherwise reported. Subsequent taxonomic revisions may have invalidated some reported names.

Lithology: To conserve space, abbreviations are used in the left column of the table to summarize the lithology at each occurrence. A key to these lithologic abbreviations, together with examples of how to use them, follows.

KEY TO LITHOLOGIC ABBREVIATIONS USED IN THE LEFT COLUMN OF THE TABLE

ar: argillite, argillaceous	ls: limestone
cc: calcareous	mb: marble
cg: conglomerate	ph: phyllite, phyllitic
cl: clast	py: pyrite, pyritic
cn: concretion, concretionary	sc: schist, schistose
dt: dolomite, dolomitic	sl: slate, slaty
gr: graphitic	ss: sandstone, sandy
gt: grit, gritty	st: siltstone, silty
gw: graywacke	tf: tuff, tuffaceous
li: lithographic	

Examples of how abbreviations are used:

- (1) ls: fossils occur in limestone
- (2) ph gw: fossils occur in phyllitic graywacke
- (3)

ss	} fossils occur in interbedded sandstone, argillaceous	
ar st		} siltstone, and silty limestone
st ls		

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Table 1.--List of fossil collections and related samples in the Ketchikan and Prince Rupert quadrangles, southeastern Alaska

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
1 Pzs ls	Vallenar Bay, Gravina Island	A.H. Brooka, 1901 F.E. and C.W. Wright, E.M. Kindle 1905, 1906	<i>Atrypa reticularis</i> <i>Chonetes</i> cf. <i>manitobensis</i> <i>Spirifer</i> sp. <i>Proetus</i> sp. <i>Cyclonema</i> sp. Bryozoa <i>Pholadostrophia?</i> sp. <i>Stropheodonta?</i> sp. <i>Platyceras</i> sp.	Middle? Devonian	E.M. Kindle	Wright and Wright, 1908, p. 50 Kindle, written commun., 1906	
2 Pzs mb	George Inlet, Revillagigedo Island	C.W. Wright, 1905 (No. 966)	Crinoid stems	Carbon- iferous	do	Wright and Wright, 1908, p. 55-56	Presumed Carboniferous age is based on abundance of crinoid fragments, not on fossil identification.
3 Rsv cg? ls	Nehenta Bay, Gravina Island(A)	C.W. Wright, 1905 (No. 995)	<i>Cyathophyllum</i> sp. <i>Gypidula</i> cf. comis. <i>Centronella</i> cf. navicella <i>Enella?</i> sp. <i>Cyrtina</i> n. sp. <i>Leptodesma</i> sp. <i>Pterinopecten</i> sp.	Devonian?	do	E.M. Kindle, written commun., 1906	Fossils may have been obtained either from clast(s) of Devonian limestone in Upper Triassic conglomerate, or from unrecog- nized Devonian strata in complex structural relations with Triassic beds (Chapin, 1918, p. 92). Because of uncertainty in locations of fossil collections by early workers, collections no. 3, 5, 14, 16a, and 16b may represent a single site, several outcrops of the same bed(s) or (least likely) several outcrops of different beds.
4	DELETED						

1/ See text for key to lithologic abbreviations.

2/ Information about conflicting or ambiguous reports of ages is given under "Remarks". Term "indeterminate" indicates that: (a) fossil material in collection was insufficient, too wide-ranging, or too poorly preserved to determine its age; (b) fossil remains were noted in outcrop but could not be collected for formal identification; or (c) organic origin of material is doubtful.

3/ Unless otherwise noted, all fossil identifications are by U.S. Geological Survey paleontologists or geologists.

4/ Numerous collections are described in more than one publication. References cited contain either earliest or most complete descriptions. Summary descriptions of fossils collected by early (pre-1929) workers in the Ketchikan and Prince Rupert quadrangles are in Martin (1926) and Buddington and Chapin (1929).

Number Map Unit Lithology	Location (A), Approx. Located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
5 Rsv cg? ls	Nehenta Bay, Gravina Island(A)	F.E. and C.W. Wright, 1906	Zaphrentis sp. Lithostrotion sp. Cyrtina sp. Martinia ? sp. Dieiasma ? aff. bovidens Tschern. non Martin Dieiasma ? aff. millepunctatum Aviculipecten ? sp. Halobia ? sp. Pteria ? sp. Tetinka ? cf. bellula Barrende. Loxonema ? sp. Euomphalus ? sp. Pleutotomaria sp. Naticopsis sp. Several unde- termined forms.	Carbon- iferous? or Triassic?	G.H. Girty	Wright and Wright, 1908, p. 52-53	See "Remarks" locality no. 3
6 Rsv ls	Nehenta Bay, Gravina Island (A)	G.C. Martin, 1914 (G.C.M. No. 6) (8834)	Corals, probably several genera. Cassianella sp. Myophoria ?? sp. Natica sp. Murchisonia ? sp.	Upper Triassic	T.W. Stanton	Smith, 1915, p. 102	
7 Rsv ls sh	do	Martin, 1914 (G.C.M. No. 7) (8835)	Corals-several genera repre- sented. Spiriferina ? sp. Myophoria ? sp. Natica sp. Turritella ? sp. Pseudomelania ? sp. Trachyceras ? sp. small fragment.	do	do	do	
8 Rsv cn? ls	Bostwick Inlet, Gravina Island (A)	Martin, 1914 (G.C.M. No. 8) (8836)	Terebratula sp. Spiriferina ? sp. Pecten sp. Plicatula ? sp. Cassianella sp. Myophoria sp. Myophoria or Trigonia sp. Nucula sp. Astarte ? sp. Arcestes ? sp.	do	do	Smith, 1915, p. 103	

Number Map Unit I/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
9 Rsv ls?	Bostwick Inlet, Gravina Island (A)	P.S. Smith, 1913 (13AS170)	Crinoid stems	Undesig- nated	G.W. Girty	Smith, 1915, p. 103	Also see localities no. 99 & 158
10 Rsv ls?	do	Smith, 1913 (13AS169)	Posidonomya ?	do	do	do	do
11 Rsv ls?	do	Smith, 1913 (13AS171)	Glossites ? cf. G lingualis Schizodus ? cf. S. appressus Paracyclas ? cf. P. ellipticus Crenipecten ? cf. C. crenulatus Elymella ? cf. E. nuculoidea Leda Chonetes ?? Pseudomonotis ?? Aviculipecten Nucula	do	do	do	do
12 Pzs mb	Thorne Arm, Revillagigedo Island (A)	Smith, 1913 (13AS25)	Crinoid stems	Paleozoic(?)	G.W. Girty	Chapin, 1918, p. 89	
13 Pzs mb	do	Smith, 1913, (13AS28)	Crinoid stems	do	do	Chapin, 1918, p. 89	
14 Rsv ls	Nehenta Bay, Gravina Island (A)	Smith, 1913 (13AS36,37)	Crinoid stems	do	do	G. W. Girty, written commun., 1913	See "Remarks", locality no. 3
15 Rsv gr sl?	do	Smith, 1913 (13AS38) (8704)	Halobia superba Mojsisovics	Upper Triassic	T.W. Stanton	Smith, 1915, p. 101	
16 Rsv gr sl?	Unnamed cove, S.W. Gravina Island (A)	Smith, 1913 (13AS177) (8705)	Halobia superba Mojsisovics	Upper Triassic	T.W. Stanton	do	
16a Rsv ls	Nehenta Bay, Gravina Island (A)	Martin, 1914 (G.C.M. No. 3) (8831)	Coelonautilus Rhynchonella	do	do	Smith, 1915, p. 101; Chapin, 1918, p. 92	See "Remarks", locality no. 3
16b Rsv ls	do	Martin, 1914 (G.C.M. No. 5) (8833)	Cladopora sp. Diaphorostoma sp.	Devonian	E. Kirk	Smith, 1915, p. 102; Chapin, 1918, p. 92	do
16c Rsv ls	do	Martin, 1914 (G.C.M. No. 2) (8830)	Undetermined Mesozoic corals Ostrea ? sp. Pseudomelania ? sp. Arcestes ?? sp. (fragment)	Triassic	T.W. Stanton	Smith, 1915, p. 101; Chapin, 1918 p. 92	

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
16d Rsv 1s?	Nehenta Bay, Gravina Island (A)	Martin, 1914 (G.C.M. No. 4) ((8832))	Undetermined coral fragment Pentacrinus sp.	Triassic	T.W. Stanton	Smith, 1915, p. 101; Chapin, 1918, p. 92	
17 Pzs 1s	Hotespur Island	T. Chapin, 1915 (15Ach9)	Favosites hemi- sphericus Y. and S. Favosites sp. Cyathophyllum sp. Zaphrentis type of gigantea Les.	Middle Devonian	E. Kirk	E. Kirk, written commun., 1916; Buddington & Chapin, 1929, p. 98	
18 Pzs 1s	do	Chapin, 1915 (15Ach21)	Favosites cf. emmonsii Hall Favosites hemi- sphericus Y. and S. Zaphrentis cf. gigantea Les.	do	do	do	
19 Pzs 1s	do	Chapin, 1915 (15Ach22)	Favosites hemi- sphericus Y. and S. Favosites limitaris Rom. Cladopora sp.	do	do	do	Float
20 KJs 1s	Blank Inlet, Gravina Island	Chapin, 1915 (15Ach99) ((9527))	Belemnites sp.	Jurassic or Lower Cretaceous	T.W. Stanton	Chapin, 1918, p. 98; Berg, 1973, p. 29	Same locality as no. 132
21 KJs 1s 8w	Bostwick Inlet, Gravina Island (A)	Chapin, 1915 (15Ach104) ((9528))	"Aucella" (=Buchia) sp.	Upper Jurassic or Lower Cretaceous	do	Chapin, 1918, p. 96	Also see localities 138, 139, 140
22 KJs 1s	do	Chapin, 1915 (15Ach105) ((9529))	"Aucella" (=Buchia) sp.	do	do	do	do
23 KJs 1s	do	Chapin, 1915 (15Ach106) ((9530))	Pecten sp.	do	do	do	do
24 Rsv 1s	Nehenta Bay, Gravina Island	Chapin, 1915 (15Ach111) ((9531))	Echinoid spines Undetermined corals Oatrea ? sp. Gryphaea ? sp. Pecten sp. Natica? sp. Turritella ? sp.	Upper Triassic	T.W. Stanton	Chapin, 1918, p. 92	
25 Rsv 1s s1	do	Chapin, 1915 (15Ach112)	Spiriferina ? sp. Halobia ? sp.	do	do	Chapin, 1918, p. 93	

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
26 Rsv ls gr sl	Nehenta Bay, Gravina Island	Chapin, 1915 (15AChl13) (9532)	Halobia cf. H. superba Mojsisovics	Upper Triassic	T.W. Stanton	Chapin, 1918, p. 93	Aucella (=Buchia) also reported by Stanton at this locality probably was not correctly identified (Chapin, 1918, p. 93)
27 Rsv gr sl	"Thompson Cove" (= unnamed cove about 1 mile N. of Nehenta Bay) (A)	Chapin, 1915 (15AChl15) (9533)	Cidaris ? sp. Halobia cf. H. superba Mojsisovics Astrocoenia ?	do	do N.J. Silberling	do N.J. Silberling, oral commun., 1968	
28 Rsv ls gr sl	do	Chapin, 1915 (15AChl21)	Corals, genus undetermined Pentacrinus sp. Echinoid spine Ostrea ? sp. Solemya ? sp. Turritella ? sp. Spiriferina ? sp. Isocrinus gravinae Bather	do	T.W. Stanton	Chapin, 1918, p. 93	
29 Rsv ls	"Dall Ridge, 4 miles north of Dall Head" (A)	(15AChl22) (9534)	Undetermined corals Ostrea ? Turritella ? Undetermined gastro- pods	do	F.A. Bather T.W. Stanton	Martin, 1926, p. 71 Chapin, 1918, p. 93	
30 Rsv ls gt ls cg	"Dall Ridge, 4 miles north of Dall Head" (A)	Chapin, 1915 (15AChl24) (15AChl26)	Echinoid spines Alveolites	Up. Trias. Devonian	T.W. Stanton E. Kirk	do	"Fragmental fossils apparently occurring as pebbles in (Triassic) conglomerate"
30 Rsv ls gt ls cg	"Cove 5 miles north of Dall Head" (A). Locality uncertain; probably unnamed cove just south of Nelson Cove	Chapin, 1915 (15AChl29) (9536)	Corals, several undetermined genera Bryozoa ? Pecten sp. Purpurina ?? sp. Undetermined slender gastropod	Upper Triassic	T.W. Stanton	do	
		(15AChl30) (9537)	Corals, several genera Bryozoa? Myophoria sp. Purpurina ?? sp. Turbo ? sp. Gryphaea sp.	do	do	do	
		(15AChl32) (9538)		do	do	do	

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
31 Rsv ls cg	Nehenta Bay, Gravina Island (A)	Chapin, 1916 (16Ach136) (9899)	Cidaris ?	Upper Triassic	J.B. Reeside	Chapin, 1918, p.92 Martin, 1926, p.71	Reports "Age undetermined" Reports age is Upper Triassic
32 Rsv gr sl	do	Chapin, 1916 (16Ach137) (9900)	Cerithium ? sp. (fragment) Isaactraea cf. I. profunda Reuss Thamnastraea cf. T. rectilamellosa Winkl. Spongiomorpha ? sp. Hydrozoan, undetermined Natica ? sp. Heterastridium	Upper Triassic (Norian)	Do	Chapin, 1918, p. 93	
33 Rsv ls sl	do	Edwin Kirk, 1917 or 1918 (110097)	Undetermined corals and gastropods Macrodon	Upper Triassic	T.W. Stanton	N.J. Silberling, oral commun., 1968 Martin, 1926, p. 71	
34 Pzs ls	Hotspur Island (A)	Chapin, 1915 (15Ach311)	Rhipidomella sp. Alveolites sp. Zaphrentis cf. gigantea Les. Favosites cf. hemisphericus Y. and S. Cyathophyllum sp.	Devonian	E. Kirk	E. Kirk, written commun., 1916; Buddington and Chapin, 1929, p. 98	
35 Pzs ls	Vallenar Bay, Gravina Island (A)	Chapin, 1915 (15Ach175) (1802)	Camarophoria aff. margaritovi ?	Carbon- iferous	G.H. Girty	G.H. Girty, written commun., 1916	Flost
36 Pzs sl	Hotspur Island (A)	Chapin, 1915 (15Ach24)	Favosites hemi- sphericus Y. and S. Crinoid columns Fragments of Orth- oceras	Devonian	E. Kirk	T.W. Stanton, written commun., 1916	

Map No. Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
37 Unit not shown on map	Dall Bay, Gravina Island	Chapin, 1916 (16ACh197)	Cyllichnella n. sp. Reia violacea Mighels Colus sp., fragment Cardium (Cerastoderma) ciliatum Fabricius Axinopsis virdis Dall Macoma calcareo Gmelin Saxicava arctica Linné Mya intermedia Dall Balanus sp., fragment	Quaternary	W.H. Dall	Chapin, 1918, p. 99	Fossils occur in an approxi- mately 8-foot-thick deposit of unconsolidated glacial till, clay, and gravel at an altitude of about 80 feet above sea level. Outcrop concealed on all sides by vegetation; not shown on geologic map.
38 Rsv Is	Kwain Bay, Annette Island	A.H. Koschmann, 1934 (34AK71) (2685) H.C. Berg, 1967 (67ABg86)	See "Remarks"	Upper Triassic (Norian)	See "Remarks"	See "Remarks"	Fossils in USGS Museum collection no. 2685 originally were identified by Kirk (written commun., 1935) as Receptaculites sp., of probable Devonian age. Mapping by H.C. Berg in 1967 (Berg, 1972) showed sedimentary rocks containing Heterastridium, Monotis?, and other Upper Triassic fossils at this locality. Collection 2685 was reexamined in 1969 and found to contain only Heterastridium (N.J. Silberling, oral commun., 1969).
39 Rsv sl Is	Kwain Bay, Annette Island (A)	Koschmann, 1934 (34AK72)	Diphyphyllum sp. Cyathophyllum sp.	Middle Devonian	E. Kirk	Kirk, written commun., 1935; Berg, 1972	Float. Also see localities 38, 51, 54, and 84. Closely spaced occurrences of fossils of Devonian and of Upper Triassic age in northern Kwain Bay suggest that: (1) strata of both ages are in complex structural or stratigraphic relations (Berg, 1972); (2) that clasts or blocks of the Devonian rocks occur in unrecognized conglom- erate of Upper Triassic age; or (3) both these interpretations.
40 PzS Is	South coast Annette Island	Koschmann, 1934 (34AK105)	Favosites sp. Digitate, ramose form	do	do	do	
41 PzS sl Is	do	Koschmann, 1934 (34AK108)	Receptaculites sp. Large crinoid columnals	Devonian?	do	do	See "Remarks", locality no. 45.

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
42 Rsv sl ls	Head of Sylburn Harbor, Annette Island (A)	Koschmann, 1934 (34AK154) (2689; 16953)	See "Remarks"	Upper Triassic (Norian)	See "Remarks"	See "Remarks"	Fossils in USGS Museum coll. no. 2689 originally were identified by Kirk (written commun., 1935) as Receptaculites sp. of Devonian? age. Fossils in collection no. 16953 were identified by Reeside (written commun., 1935) as Montlivaltia norica Frech, Isastrea sp., and Spongiomorpha (Heptastylopsis) gibbosa Frech of Upper Triassic (Norian) age. Mapping by H.C. Berg in 1966 (Berg, 1972) showed sedimentary rocks containing Upper Triassic fossils at(?) this locality (see map no. 46). Collection no. 2689 was reexamined in 1969 and found to contain probably Upper Triassic corals, not Receptaculites (N.J. Silberling, oral commun., 1969)
43 (Loc. not plotted on map) ls	S.W. coast of Bostwick Inlet, Gravina Island	Koschmann, 1934 (34AK434) (116932)	See "Remarks" Terebratuloid brachiopod, indet. Gervillia, several species Halobia austriaca Mojsisovics Trigonodus ? sp. Pecten ? sp. Myconcha sp. Modiolus sp. Anodontophora ? sp. Capulus ? sp. Patella ? sp. Collonia cf. C. occidentalis Smith Worthenia klamathensis Smith Nerita ? sp. Platyceras, spinose form Natica, several species Ampullina ? sp. Arcestes sp. Juvavites (Anatamites) externiplicatus Mojsisovics	Upper Triassic (Karnian)	J.B. Reeside	Reeside, written commun., 1935	Float. Local geology (Berg, 1973) suggests that unit is source.

Number Map Unit Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
44 Rsv as ls ar ls	Southwest coast of Bostwick Inlet, Gavvina Island (A)	Koschmann, 1934 (34AK435) ((16933))	Sphaeroidothyris ? sp Lobothyris ? cf L. punctata "Terebratulita" cf. Ptyctothyris stephani (G.A. Cooper) Grammatodon sp. Pinna cf. P. expansa Hyatt Gervillia sp., small form Pteria (Oxytoma) sp. Ostrea sp. Gryphaea, of the type of G. arcuata Lamarck Entolium sp. Amusium ? sp. Vola, small species Plicatula sp. Spondylus ? sp. Lima, several species Pleuromya sp. Arctica ? sp. Borings of mollusk or worm	Jurassic, possibly Lower or Middle Jurassic	J.B. Reeside and G.A. Cooper	J.B. Reeside, written commun., 1934	May be same locality as 99 or 100
45 P25 py sl	South coast Annette Island	Berg, 1966 (66ABg077)	Plicatula cf. P. perimbricata Gabb "Entolium" sp. Pectinid - cf. Tosapecten ? Small pteriid Pinna sp. Plagiostoma sp. Variamusium ? Gryphaea sp. "Pleuromya" Indeterminate bivalves Receptaculites Corals, gastropods, crinoids	Probably late Upper Triassic, but can not rule out Lower Jurassic	N.J. Silberling	Reexamination of USGS collection no. 16933 (N.J. Silberling, written commun., 1971)	Same locality as 87; probably same locality as 41
46 Rsv gr st gr sl ca st al ls	Head of Sylburn Harbor, Annette Island	Berg, 1966 (66ABg193F) ((M5012))	Halobia sp. Montlivaltia cf. M. norica Fiech Heptaatylia sp. Indeterminate gastropods, pelecypoda	Upper ? Middle Devonian	C.W. Merriam N.J. Silberling	C.W. Merriam oral commun., 1967, 1972; Berg, 1972 N.J. Silberling, written commun., 1966; Berg, 1972	Probably same locality as 42

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USCS Museum No.))	Fossils	2/ Age	3/ Identified by	4/ References	Remarks
47 Rsv st ls sl	Driest Point, Annette Island	Berg, 1966 (66ABg241F) (M5013)	Heterastridium sp. Halorites ? Trigonid pelecypod	Upper Triassic (Late Norian)	N.J. Silberling	N.J. Silberling, written commun., 1966; Berg, 1972	Same locality as 159
48 Rsv ls	Kwain Bay, Annette Island	Berg, 1967 (67ABg004)	Monotis ?	Upper Triassic	H.C. Berg	Berg, 1972, and unpub. field data, 1967	
49 Rsv ls	Coast N. of Crab Bay, Annette Island	Berg, 1967 (67ABg055)	Ammonite ?	Indeter- minate	--	do	
50 Rsv ls	do	Berg, 1967 (67ABg56)	Pelecypods	do	--	do	Same locality as no. 85
51 Rsv ls	Kwain Bay, Annette Island	Berg, 1967 (67ABg85F)	Chaetetes Rugose ? coral Indet. mollusks and crinoidal debris	Probably Paleozoic	C.W. Merriam, M. Churkin	C.W. Merriam, written commun., 1969; M. Churkin, oral communa., 1967, 1969	See "Remarks", locality 39. Sample was examined for conodonts, but none were found (J.W. Huddle, written commun., 1969)
52 Rsv sl ls	do	Berg, 1967 (67ABg86)	Heterastridium ?	Upper Triassic	H.C. Berg	Berg, 1972, and unpub. field data, 1967	
53 Rsv cg	do	Berg, 1967 (67ABg87)	Heterastridium ? Corals Pelecypoda	do	do	do	
54 Rsv gr ls	do	Berg, 1967 (67ABg89)	?Halobia or Monotis	do	do	do	Float. See "Remarks", locality 39.
55 Rsv ca st	do	Berg, 1967 (67ABg93)	Pelecypods ?	Indeter- minate	--	do	
56 Rsv st ls	do	Berg, 1967 (67ABg96)	Pelecypods	do	--	do	
57 Rsv st ls	do	Berg, 1967 (67ABg97)	Heterastridium ? Pelecypods Corals	Upper Triassic	H.C. Berg	do	Float.
58 Rsv mb sl ls	Cove 0.5 mi So. of Kwain Bay	Berg, 1967 (67ABg105)	Horn? corals	Indeter- minate	--	H.C. Berg, unpub field data, 1967	Same locality as nos. 86, 149, 150. See "Remarks", locality 86.

Number Map Unit Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
59 PZS py ph sl ls	S. E. coast Annette Island	Berg, 1967 (67ABg152)	Favosites	Devonian?	M. Churkin	M. Churkin, oral commun., 1967; Berg, 1972	
60 RSV ca st gr ph	Crab Bay, Annette Island	Berg, 1967 (67ABg182)	?Halobia or Monotis	Upper Triassic	H.C. Berg	Berg, 1972, and unpub. field data, 1967	
61 RSV ph st ls	do	Berg, 1967 (67ABg183)	Heterastridium ?	do	do	do	
62 RSV ls	do	Berg, 1967 (67ABg189)	Heterastridium ? Monotis ?	do	do	do	
63 PZS cc cg	Harris Island	Berg, 1967 (67ABg470)	Favosites	Devonian	M. Churkin	M. Churkin, oral commun., 1967; Berg, 1972	Some of the fossils occur as (indigenous) clasts in coarse limestone-clast conglomerate.
64 PZS cc cg	do	Berg, 1967 (67ABg471)	Tabulate corals	do	H.C. Berg	Berg, 1972	do
65 PZS lb	do	Berg, 1967 (67ABg475)	Tentaculitids ? Syringopora Atrypa Indet. brachiopods, corals	do	M. Churkin	M. Churkin, oral commun., 1967; Berg, 1972	
66 PZS py ls ss ls	S. coast Annette Island	Berg, 1967 (67ABg481)	Thamnopora Indet. pelecypods, corals, crinoid fragments	do	M. Churkin	do	Same locality as No. 88.
67 RSV sl ls	Sylburn Harbor, Annette Island	Berg, 1967 (67ABg519)	Heterastridium ?	Upper Triassic	H.C. Berg	Berg, unpub. field data, 1967; Berg, 1972	
68 PZS sl	Hotspur Island	Berg, 1967 (67ABg"B")	Favosites	Devonian	M. Churkin	Churkin, oral commun., 1967; Berg, 1972	

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
69 Pz sl ls ca st	Hotspur Island	Berg, 1967 (67ABg"E")	Tentaculitids: Nowiks sp. Styliolina sp. Conodont: Spathognathodus inclinatus Rhodes	Devonian Upper Wenlock (latest Silurian) to lower Emsian (highest Lower Devonian)	M. Churkin A.T. Ovenshine	Churkin, written commun., 1967 Ovenshine, written commun., 1967	
70 Pz ls sl	do	Berg, 1967 (67ABg"F")	Favosites Striatopora Cladopora Thamnopora Crinoid fragments	Devonian	M. Churkin	Churkin, oral commun., 1967; Berg, 1972	
71 Pz cc cg sl gt	do	Berg, 1967 (67ABg"G")	Corsis Crinoid fragments	Indeter- minate	--	Berg, 1972, and unpub. field data, 1967	Some of the fossils occur as (Indigenous) clasts in the conglomerate.
72 Pz sl ls py ls	do	Berg, 1967 (67ABg"AA")	Belemnite ? Crinoid ? fragments Pelecypods ?	do	--	do	
73 Pz sl gw py ls	do	Berg, 1967 (67ABg"EE")	Favosites Belemnite (Ortho- ceras ?)	Devonian	M. Churkin, H.C. Berg	Churkin, oral commun., 1967; Berg, 1972	See "Remarks", locality 71.
74 Rsv ls	Bostwick Inlet, Gravina Island	Berg, 1967 (67ABg"D"- Bostwick Inlet)	Pelecypods ?	Indeter- minate	H.C. Berg	Berg, unpub. field data, 1967	May be same occurrence as locality 92.
75 Rsv ls	N.W. coast Annette Island	Berg, 1968 (68ABg51)	Heptastylis	Upper Triassic	N.J. Silberling	Silberling, oral commun., 1969; Berg, 1972	
76 KJs cg	N.W. coast Annette Island	Berg, 1968 (68ABg62)	Belemnites	Upper Jurassic or Lower Cretaceous	H.C. Berg	Berg, 1972; Berg, unpub. field data, 1973	Belemnites occur in matrix of conglomerate at "base" of Gravina Island Formation
77 Rsv gr ar	Sylburn Harbor, Annette Island	Berg, 1968 (68ABg80)	Halobia ?	Upper Triassic	do	Berg, 1972	Float.

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
78 Mz/Pzu ls	Port Chester, Annette Island	Berg, 1968 (68ABg185, 225)	Spheroidal forms an inch or less in diameter	Indeter- minate	--	Berg, unpub. field data, 1968	May not be organic.
79 Unit not shown on map.	North-central Annette Island	Berg, 1968 (68ABg196)	Abundant bits of possible organic material	Indeter- minate	--	Berg, unpub. field data, 1968; Berg, 1972	
80 Pz5 ls	Vallenar Bay, Gravina Island	Berg, 1968 (68ABg209)	Favosites ? Pelecypod fragments	Probably Devonian	H.C. Berg	Berg, 1973	Same locality as no. 108; may be same locality as no. 1.
81 Unit not shown on map.	Port Chester, Annette Island	Berg, 1968 (68ABg224)	Scattered bits of organic material	Indeter- minate	--	Berg, unpub. field data, 1968; Berg, 1973	
82 Rsv gr ls	Kwain Bay, Annette Island	Berg, 1968 (68ABg448)	Monotis Heterastridium	Upper Triassic	H.C. Berg	Berg, 1972	
83 Rsv ls gr ph	do	Berg, 1968 (68ABg523)	Heterastridium Ammonite ?	do	do	do	
84 Rsv ss ls cc gt	do	Berg, 1968 (68ABg524)	Mollusks; fragments of rugose ? corals; bryozoan ?, stromatoporoid ?	Probably Paleozoic; possibly late Paleozoic	C.W. Merriam and M. Churkin	Merriam, written commun., 1969; Churkin, oral commun., 1969; Berg, 1972	See "Remarks" locality no. 39.
85 Rsv gr ls	Coast N. of Crab Bay, Annette Island	Berg, 1968 (68ABg533)	Conodonts: Epigondolella Enantigonathus mungoensis (Diebel) Enantigonathus ziegleri Diebel Monotis ? Abundant fossil fragments	Triassic (Ladinian or Karnian) Upper Triassic	J.W. Huddle H.C. Berg	Huddle, written commun., 1969 Berg, 1972	Same locality as no. 50.

Number Map Unit Lithology	Location (A), Approx. Located	Collector, Year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
86 Rsv mb sl ls	Cove 0.5 mi S. of Kwain Bay	Berg, 1968 (68ABg539)	Zaphrentid coral Siphonophrentis ?	Probably Paleozoic Lower or Middle Devonian	C.W. Merriam A.K. Armstrong	Merriam, oral commun., 1969 Armstrong, oral commun., 1969 Berg, 1972, 1982	Same locality as nos. 58, 149, 150. Based on these preliminary Paleozoic age determinations, this carbonate unit was originally mapped by Berg (1972, 1973) and Berg and others (1978) as Devonian. In 1979 a carbonate sample (no. 149) collected at this site yielded an Upper Triassic conodont. This determination, coupled with other samples (nos. 150, 151) and restudy of geologic relations of this unit resulted in assigning it an Upper Triassic age (Berg, 1982, p. 5-7). If the earlier tentative Paleozoic determinations are correct, this apparently con- tradictory occurrence may result from processes similar to those described under "Remarks" at locality 39.
87 Pz py ph	South coast Annette Island	Berg, 1968 (68ABg592)	Receptaculites Favosites Cephalopods	Devonian	H.C. Berg	Berg, 1972	Same locality as no. 45
88 Pz ls	do	Berg, 1968 (68ABg600)	Reeflike assemblage of corals	do	do	do	Same locality as no. 66
89 Unit not shown on map gr ph gr ls	Hassler Harbor, Annette Island	Berg, 1968 (68ABg644)	Heterastridium ?	Upper Triassic?	do	do	
90 Rsv gr ls gr sl	Bostwick Inlet, Gravina Island	Berg, 1968 (68ABg766) (#5093)	Halobia sp. (similar to H. alaskana Smith, H. halorica Mojsisovics, and H. dilitata Kittl)	Upper Triassic (early and middle Norian)	N.J. Silberling	N.J. Silberling, written commun., 1968. Berg, 1973, p. 20	Collections 90 and 91 are from rocks mapped as Nehenta Formation (Berg, 1973, p. 19-20)
91 Rsv ls	do	Berg, 1968 (68ABg767) (#5094)	Heterastridium cf. H. conglobatum Reuss	Upper Triassic (late Norian)	N.J. Silberling	do	Fossils occur in limestone-clast sedimentary slump breccia.

Number Map Unit 1/lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
92 RSV Is	Bostwick Inlet, Gravina Island	Berg, 1968 (68ABg768) ((M5095))	Gryphaea-like and indeterminate small pectenacid Pelecypods Terebratuloid brachiopods ?Coiled cephalopod	? Late Triassic or Jurassic	N.J. Silberling	N.J. Silberling, written commun., 1968	Same locality as no. 74
93	DELETED						
94 KJs cc st	Blank Islands, Blank Inlet, Gravina Island	Berg, 1969 (69ABg98) ((M5839, 29888))	Entolium ? Camptonectes ? Belemnites	Jurassic or Cretaceous	R.W. Imlay	Imlay, written commun., 1969, 1970	
95 RSV gr ls	Nehenta Bay, Gravina Island	Berg, 1969 (69ABg111)	Halobia ? scraps	Middle or Upper Jurassic	D.L. Jones	Berg, 1973, p. 29-30	
96 RSV ls	Bostwick Inlet, Gravina Island	Berg, 1969 (69ABg118)	Fossil scraps	Indeter- minate	H.C. Berg	Berg, 1973	
97, 98 RSV ls	do	Berg, 1969 (69ABg128, 129)	Fossil fragments	Indeter- minate	--	Berg, unpub. field data, 1969	Fossil fragments occur in lime- stone clasts in volcanic con- glomerate
99 RSV st ls	do	Berg, 1969 (69ABg130F) ((M5909))	Placites sp. Minetrigonia cf. M. cairnesi (McLearn) Palaeopharus cf. P. buriji Kiparisova Undet. pectenacid pelecypod Undet. ornate gastropod Plicatula perimbricata Gabb Minetrigonia cf. M. suttonensis Clapp and Shimer Septocardia sp. Halorites ? sp. "Variamusium" sp. large trigonid ? clam - genus and sp. unknown	Upper Triassic (late Norian)	N.J. Silberling	Silberling, written commun., 1969	Collections 99 and 100 are from rocks mapped as Chapin Peak Formation (Berg, 1973, p. 23-26)
				do	do	D.L. Jones, written commun., 1969	

Number Map Unit Lithology	Location (A), Approx. Located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/ Age	3/ Identified by	4/ References	Remarks
100 Rsv ls	Bostwick Inlet, Gravina Island	Berg, 1969 (69ABg131F) ((M5909))	Cycloclitites cf. C. arduini (Mojsisovics) Cassianella sp. Plicatula cf. P. perimbricata Gabb Pinna sp. Gervillella sp. Gonomya ? sp. Undet. nuculid, pectenacid, and other pelecypods	Upper Triassic (latest late Norian)	N.J. Silberling	N.J. Silberling, written commun., 1969	Fossils occur in limestone clasts in volcanic conglomerate. Silberling report also lists Arcestes sp., but it is not known whether this fossil occurs at locality 99 or 100.
101 KJs ls	do	Berg, 1969 (69ABg405)	Pelecypods ?	Indeter- minate	--	Berg, unpub. field data, 1969	Fossils occur in limestone bouldins or concretions in alsty siltstone
102 Rsv ls cg	do	Berg, 1969 (69ABg409)	Crinoid fragments (Pentacrinus ?)	Upper Triassic?	D.L. Jones	Jones, oral commun., 1969.	Interbedded limestone and lime- stone-and volcanic-clast con- glomerate. Limestone float.
103 KJs cc st	do	Berg, 1969 (69ABg413) ((M5462))	Coral ? Pelecypods ? Buchia cf. B. rugosa (Fischer)	Indeter- minate Upper Jurassic (Kimmer- idgian)	--	Berg, unpub. field data, 1969 D.L. Jones, written commun., 1969 Berg, 1973, p. 28	
104 Pzs el ls	Vallenar Bay, Gravina Island	Berg, 1969 (69ABg480)	Pelecypod fragments	Indeter- minate	--	Berg, unpub. field data, 1969	
105, 106 Rsv cc st gr ls	do	Berg, 1969 (69ABg483, 484)	Halobia ? fragments	Upper Triassic	H.C. Berg	Berg, 1973, and unpub. field data, 1969	Triassic strata at localities 105 and 106 are in complex structural relations with probably Paleozoic (Devonian) fossil-bearing strata at localities 107 and 108.
107 Pzs ls	Vallenar Bay, Gravina Island	Berg, 1969 (69ABg485)	Crinoid fragments (diaka)	Indeter- minate	--	do	See "Remarks", no. 105, 106.
108 Pzs el ls	do	Berg, 1969 (69ABg488)	Corals, pelecypods, bryozoans	do	--	do	Same locality as no. 80; may be same locality as no. 1. See "Remarks", no. 105, 106.
109 Pzs ls	do	Berg, 1969 (69ABg490)	Abundant fossil fragments similar to those at loc. 108	do	--	do	

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
110 Pz sl ls	Vallenar Bay, Gravina Island	Berg, 1969 (69ABg491)	Abundant crinoid fragments (disks)	Indeter- minate	--	Berg, 1973, and unpub. field data, 1969	
111 Rsv ls	Unnamed cove about 0.5 mi S. of S. Vallenar Point	Berg, 1969 (69ABg504)	Halobia ? Mixosaurid ichthyosaur (reptile)	Upper Triassic do	H.C. Berg C.A. Repenning; C. McGowan (Vertebrate Paleontology Dept., Royal Ontario Museum, Canada)	do Repenning, oral commun., 1969; McGowan, written commun., 1969 Berg, 1973, and unpub. field data, 1973	Vertebrate fossil is a reptile embedded in Halobia-bearing recrystallized silty lime- stone. Vertebrate remains consist of an approximately 38-cm-long segment of vert- ebral column, plus indefinite structures that might be ribs. Occurrence is only pre-Tertiary vertebrate fossil known in southeastern Alaska.
112 Rsv cg ls	Nehenta Bay, Gravina Island	Berg, 1969 (69ABg517)	Corals, pelecypods	Devonian?	H.C. Berg	Berg, 1973, and unpub. field data, 1969	Fossils occur in limestone clasts in polymictic conglomerate. May be same occurrence (or one of the probably related occurrences) described under "Remarks", locality no. 3.
113 Rsv dt	do	Berg, 1969, 1981 (69ABg541) (81ABGNEH)	Crinoid ? fragments (disks)	Indeter- minate	--	Berg, unpub. field data, 1969, 1981	Float. Samples (81ABGNEH) of dolomite from this locality currently (1982) are being processed by the USGS for possible conodonts.
114 Rsv ls	do	Berg, 1969 (69 ABG544)	Halobia ?	Upper Triassic	H.C. Berg	Berg, 1973 and unpub. field data, 1979.	
115 Rsv cg	do	Berg, 1969 (69ABg546)	Abundant fossil fragments	Indeter- minate	--	do	Fossils occur in limestone clasts in conglomerate.
116 Rsv gt ls	Unnamed ("Thompson") cove, 1 mi. N. of Nehenta Bay	Berg, 1969 (69ABg557)	Coral and pelecypod fragments	do	--	do	
117 Rsv gt st	do	Berg, 1969 (69ABg559)	Pelecypod and gas- tropod ? fragments	do	--	do	Fossils occur in limestone clasts in pebbly siltstone.
118 Rsv gr sl	do	Berg, 1969 (69ABg562)	Halobia	Upper Triassic	H.C. Berg	do	Same locality as no. 156.

Number Map Unit Lithology	Location (A), Approx. located	Collector, year (Field number) (USCS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
119 ls (not shown on map) dt	West coast Gravina Island	Berg, 1969 (69ABg589) (M1402)	Cladopora, Coenites, or related type of favositid	Slurrian to late Middle Devonian	C.W. Merriam	Merriam, written commun., 1969, Berg, 1973, p. 16.	
120 Rsv gr ls	do	Berg, 1969 (69ABg596)	Halobia ? fragments	Upper Triassic	H.C. Berg	Berg, 1973, and unpub. field data, 1969.	
121 Rsv ca st	do	Berg, 1969 (69ABg598)	do	do	do	do	
122 Rsv gr sl	do	Berg, 1969 (69ABg626)	do	do	do	do	
123 Rsv ls	do	Berg, 1969 (69ABg629)	Pelecypod and coral fragments	Indeter- minate	--	do	
124 Rsv gt ls	do	Berg, 1969 (69ABg631)	Corals, incl. Heptastylis ?	Probably Upper Triassic	H.C. Berg	do	Many (most?) of the fossils occur in limestone clasts in sandy to cobble limestone.
125 Rsv gr st	do	Berg, 1969 (69ABg638)	Halobia	Upper Triassic	do	do	
126 Rsv ls	do	Berg, 1969 (69ABg642)	Gastropods, pelecypods, corals	Indeter- minate	--	do	
127 Rsv ls	do	Berg, 1969 (69ABg643)	Locally abundant fossils	do	--	do	
128 Rsv ls	do	Berg, 1969 (69ABg644)	Gastropods, pelecypods, corals	do	--	do	
129 Rsv dt	do	Berg, 1969 (69ABg646)	Corals, pelecypods, gastropods; ammonites?	do	--	do	
130 Rsv sl st	do	Berg, 1969 (69ABg648)	Halobia ? fragments	Upper Triassic	H.C. Berg	do	
131 Rsv st	do	Berg, 1969 (69ABg649)	Monotis ? fragments; corals, pelecypods	Upper Triassic	do	do	Corals and pelecypods of undeter- mined age occur in limestone clasts in conglomerate. Monotis ? fragments occur in siltstone interbedded with the conglomerate.

Number Map Unit Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
132 Kjs sl	Blank Inlet, Gravina Island	Berg, 1969 (69ABg675)	Belemnites	Probably Middle or Upper Jurassic	H.C. Berg	Berg, 1973, p. 29-30	Same locality as no. 20
133 Kjs sl	Bostwick Inlet, Gravina Island	Berg, 1969 (69ABg694)	Belemnites ?	Indeter- minate	do	Berg, unpub. field data, 1969	
134 Kjs sl st	Blank Islands, Blank Inlet, Gravina Island	Berg, 1969 (69ABg785)	Belemnites	Probably Middle or Upper Jurassic	H.C. Berg and D.L. Jones	Berg, 1973, p. 29-30	
135 Kjs st ls	do	Berg, 1969 (69ABg786)	Pelecypods similar to those at locality no. 94	do	do	do	
136 Kjs cc st	do	Berg, 1969 (69ABg788) ((M5839))	Belemnites	do	D.L. Jones	do	
137 Kjs sl st	do	Berg, 1969 (69ABg792)	Belemnites	do	H.C. Berg	Berg, unpub. field data, 1969	Fossils occur as sparse cigar- shaped voids
138 Kjs cc at st ar	Bostwick Inlet, Gravina Island	Berg; D.L. Jones, 1969 (69ABg794) ((M5463))	Buchia cf. B. rugosa (Fischer)	Upper Jurassic (Kimmer- idgian)	D.L. Jones	Berg, 1973, p. 28	
139 Kjs cc st	do	Berg; D.L. Jones, 1969 (69ABg795) ((M5464))	do	do	do	do	May be same occurrence as no. 22
140 Kjs cc st	do	Berg; D.L. Jones, 1969 (69ABg796) ((M5465))	do	do	do	do	May be same occurrence as no. 21
141 Rsv gr st	Stream valley near S. mouth of Bostwick Inlet, Gravina Island	Berg, 1970 (70ABg4)	Halobia ?	Upper Triassic	H.C. Berg	Berg, unpub. field data, 1970; Berg, 1973	
142 Rsv dt ls	Punch Hill, S. Gravina Island	Berg, 1970 (70ABg16)	Pelecypod and Indeterminate fossil fragments	Indeter- minate	---	do	
143 Rsv gr ls	The Puppets, S. Gravina Island	Berg, 1970 (70ABg70)	Halobia or Monotis fragments	Upper Triassic	H.C. Berg	do	

Number Map Unit L/Lithology	Location (A), Approx. located	Collector, year (Field number) (USGS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
144 Rsv gr ls	Dall Ridge, N. Gravina Island	Berg, 1970 (70ABg251)	Halobia or Monotis fragments	Upper Triassic	H.C. Berg	Berg, unpub. field data, 1970; Berg, 1973	
145 Rsv st ls cc ss	S. Gravina Island	Berg, 1970 (70ABg282)	Heterastridium Pelecypod fragments	do	do	do	
146 Rsv gr ls	do	Berg, 1970 (70ABg283)	Halobia or Monotis	do	do	do	
147 Rsv dt ls	Vallenar Bay, Gravina Island	Berg, 1970 (70ABg344)	Halobia ?	do	do	do	
148 Rsv cg	Bostwick Inlet, Gravina Island	Berg, 1970 (70ABg357)	Belemnite	Indeter- minate	do	do	Fossil occurs in matrix of basalt- clast conglomerate or volcanic breccia.
149 Rsv ls	Cove 0.5 mi. S. of Kwain Bay, Annette Island	Berg, 1979 (79ABg91A)	Conodont: Epigondolella sp.	Upper Triassic	A.G. Harris	Harris, written commun., 1980, Berg, 1982, p. 5-7	See "Remarks", no. 86
150 Rsv ls	do	Berg, 1979 (79ABg91B) N.J. Silberling, 1980 (80S341)	Heterastridium ? Indeterminate corals and mollusks	Upper Triassic	H.C. Berg N.J. Silberling	Berg, unpub. field data, 1979; Silberling, unpub. field data, 1980, and written commun., 1980	do
151 Rsv ls	Unnamed lake ("Sink Lake") 1.5 mi. W. of Crab Bay, Annette Island	Berg, 1979 (79ABg92A)	Conodont: Epigondolella sp.	Upper Triassic	A.G. Harris	Harris, written commun., 1980; Berg, 1982, p. 5-7	
152 Rsv cn ls	George Inlet, Revilla- gigedo Island	H.C. Berg, 1975 (75ABg201) R.B. Garten, 1975 (75ARC53) N.J. Silberling, 1980 (80S332)	Ammonites: Lobites cf. L. pacianus McLearn Joannites sp. Meginoceras sp. Halobid bivalves, probably Daonella	Latest Triassic (late Ladinian)	N.J. Silberling	Silberling and others, 1982, p. 117-119	Ammonites and Daonella occur in small black carbonaceous and siliceous concretions within slaty limestone that contains sparse crinoid disks.

Number Map Unit 1/Lithology	Location (A), Approx. located	Collector, Year (Field number) (USCS Museum No.)	Fossils	2/Age	3/Identified by	4/References	Remarks
153 Pz mb	George Inlet, Revillagigedo Island	H.C. Berg, 1971 and 1973 (71ABg173; 3B157) N.J. Silberling, 1980	Conodonts: Neogondolella idaheensis (Young- quist, Hawley, and Miller) Hindeodus sp. Brachiopods: Stenocisma sp. Neospirifer ? sp. Pelecypod? fragments (Halobia ?? or Monotis ??)	Late Early Permian (Leonard- ian)	B.R. Wardlaw (conodonts); N.J. Silberling (brachiopods)	Silberling and others, 1982, p. 117-119	Conodonts and brachiopods occur in black crinoidal marble intercalated with phyllite and felsic metatuff.
153A MzPzu ph ls gr ph	do	H.C. Berg, 1973 (3B142)		Triassic?	H.C. Berg	Berg, unpub. field data, 1973	Doubtful fossil traces in limestone and graphitic phyllite.
154 Rsv ar ss	Nehenta Bay, Gravina Island	Silberling, 1980 (80S301)	Halobia (= ? Halobia austrifera) Large (>0.5 m) block of dense limestone containing spongiomorpha, gastropods, and shelly debris	Upper Triassic (base) Lower Norian or uppermost Karnian	N.J. Silberling	Silberling, unpub. field data, 1980	Fossils occur in laminated to medium-thick-bedded sandstone- turbidite sequence. Sequence grades into carbonate- cemented grit and conglomerate.
155 Rsv ar ss	do	Silberling, 1980 (80S302)	Halobia cf. H. fallax	Upper Triassic (Middle Norian)	do	do	Fossils occur in black, calcareous and pelitic sandy-to-gritty turbidite.
156 Rsv gr ls	Unnamed cove ("Thomp- son Cove") about 1 mi. N. of Nehenta Bay	Silberling, 1980 (80S303)	Halobia alaskana	Upper Triassic (Lower Norian)	do	do	Same locality as no. 118. Fossils occur in platy black calcareous argillite interbedded with sandstone turbidite.
157 Rsv gr ar	Bostwick Inlet, Gravina Island	Silberling, 1980 (80S311)	Halobia lineata	Upper Triassic (upper Middle Norian)	do	do	Fossils occur in black calcareous argillite about 5 feet stratifi- cally above contact with underlying rhyolite tuff. Con- tact is a slightly faulted disconformity with about 3 feet of relief in upper surface of rhyolite.
158	DELETED						
159 Rsv st ls	Driest Point, Annette Island	Silberling, 1980 (80S321)	Heterostridium; mollusk fragments	Upper Triassic (Norian)	do	do	Same locality as no. 47
160 Pz ls	George Inlet, Revillagigedo Island	Berg, 1971 (71ABg173) Silberling, 1980 (80S322)	Crinoids disks	Indeter- minate	--	Berg, unpub. field data, 1971; Silberling, unpub. field data, 1980	A sample from this locality was collected in 1980 for possible conodonts.

Map No. Map Unit 1/Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
160A Pz ph mb	George Inlet, Revillagigedo Island	Berg, 1981 (81ABg38C)	Conodont: Idionothodus	Late Early Pennsylvanian to Early Permian	B.R. Wardlaw	Wardlaw, oral commun., 1982	Conodont occurs in phyllitic crinoidal marble that structurally underlies pyritic phyllite containing Daonella-bearing (Middle Triassic) concretions similar to those at locality no. 152. A sample (81ABg38A) of massive crinoidal marble that structurally overlies the Daonella-bearing phyllite was barren of conodonts.
161 Pz mb	do	H.C. Berg, 1973 and 1975 (38158 and 75ABg199) N.J. Silberling, 1980 (80S324)	Large-crinoid enarinite; some star-shaped crinoid columns; some disks with star- shaped centers	Indeter- minate	--	Berg, unpub. field data, 1973 and 1975; Silberling, unpub. field data, 1980	Crinoidal marble is associated with black phyllite, "rhyolitic tuff", and foliated lime mudstone. Marble structurally overlies diverse metamorphic rocks, in- cluding recrystallized basaltic pillow flows, rusty-weathering felsic metatuff?, pyritic phyllite, and phyllitic con- glomerate.
162 Pz mb	do	Silberling, 1980 (80S331)	Crinoid disks	do	--	Silberling, unpub. field data, 1980	A sample from this locality was collected in 1980 for possible conodonts.
163 Pz mb	Carroll Inlet, Revillagigedo Island	Berg, 1975 (75ABg297) Silberling, 1980 (80S333)	Crinoid disks	do	--	Berg, unpub. field data, 1975; Silberling, unpub. field data, 1980; Berg and others, 1978	do
164 Pz mb	S.E. coast of Revillagigedo Island	J.G. Smith, 1970 (70ASJ248F)	Crinoid disks	do	--	Smith, unpub. field data, 1970; Berg and others, 1978	
165 NzPzU mb	Very Inlet, East of Revillagigedo Channel	C.D. Holloway, 1976 (76ACH4)	Doubtful crinoid disks; very sparse	do	--	Berg, 1982, p. 10	

Number Map Unit Lithology	Location (A), Approx. located	Collector, year (Field number) ((USGS Museum No.))	Fossils	2/Age	3/Identified by	4/References	Remarks
The following samples analyzed for conodonts were either barren or contained indeterminate conodont remains.							
166 MzPzu gr ls	George Inlet, Revillagigedo Island	H.C. Berg, 1979 (79ABg94A)	--	--	--	H.C. Berg, unpub. field data, 1979; A.C. Harris, written commun., 1980	Locality is site of Londevan Pb-Zn mine (abandoned).
167 MzPzu mb	S. coast of Revilla- gigedo Island	R.D. Koch, 1979 (79RR402B)	--	--	--	R.D. Koch, unpub. field data, 1979; A.C. Harris, written commun., 1980	Intercalated marble and thin layers of pelitic and siliceous schist.
168 MzPzu mb	do	Koch, 1979 (79RR404A)	--	--	--	do	Intercalated marble and calcareous schist.
169 MzPzu mb	Rudyard Island, east Behm Canal	Koch, 1979 (79RR406A)	--	--	--	do	Intercalated marble and minor calcareous schist and phyllite.
170 MzPzu mb	East coast of lower east Behm Canal	Koch, 1979 (79RR420B)	--	--	--	do	3-meter-thick marble interlayered with calcareous schist, quartzo- feldspathic schist, and other thin marble layers
171 PzS mb	Alava Bay, S.E. Revillagigedo Island	Koch, 1979 (79RR427A)	--	--	--	do	Marble interlayered with very fine grained gray schist and phyllite.
172 PzS mb	do	Koch, 1979 (79RR428A)	--	--	--	do	do
173 PzS mb	S.E. coast of Revillagigedo Island	Koch, 1979 (79RR429A)	--	--	--	do	Thinly layered marble interlayered with pelitic schist and quartzo- feldspathic schist. Part of this sample was sent to B.R. Wardlaw (USGS) for further processing.
174 PzS mb	George Inlet, Revillagigedo Island	Berg, 1981 (81ABg39A)	--	--	--	H.C. Berg, unpub. field data, 1981; B.R. Wardlaw, oral commun., 1982	Sample is of crinoidal marble that occurs as clasts and blocks along with basaltic pillow clasts in phyllitic metaconglomerate.