SPECIAL PUBLICATION NO. 17

QUANTITATIVE STUDIES OF MARSH FORAMINIFERAL DISTRIBUTIONS IN NOVA SCOTIA: IMPLICATIONS FOR SEA LEVEL STUDIES

by

D. B. SCOTT and F. S. MEDIOLI Department of Geology, Dalhousie University Halifax, Nova Scotia, Canada B3H 3J5

> April 17, 1980 Price \$10.00 Individuals \$15.00 Libraries

TABLE OF CONTENTS

ABSTRACT	5
INTRODUCTION	5
PREVIOUS WORK	6
METHODS	7
Collection of Surface Material	7
Collection of Physio-chemical Data	7
Preparation of Samples	7
NOVA SCOTIAN MARSHES	7
Chezzetcook Inlet	7
Introduction	7
Vegetation	7
Physical Parameters	10
Sedimentation	13
Foraminiferal Distribution	15
Cheboque Harbour	10
Introduction	10
Vegetation	20
Physical Desemptors	20
Physical Parameters	21
Foraminiteral Distribution	22
wallace Basin	23
Introduction	23
Vegetation	23
Physical Parameters	23
Foraminiferal Distribution	24
Summerville Marsh	25
Introduction	25
Vegetation	25
Physical Parameters	25
Foraminiferal Distribution	25
Newport Landing Marsh	25
Introduction	25
Vegetation	26
Physical Parameters	27
Foraminiferal Distributions	27
DISCUSSION AND COMPARISON OF NOVA SCOTIAN	
MARSHES	27
Distribution of Plants	27
Distribution of Foraminifera	29
The Tidal Role	30
COMPARISON OF NOVA SCOTIAN AND SOUTHERN	
CALIFORNIAN MARSHES	20
COMPARISON OF NOVA SCOTIAN MARSH FOR AMINIE	30
EDA WITH EODAMINIEEDA EDOM OTHED SELECTED	
MADSH ADEAS	27
Borneteble Merch Merchanduratte	32
Larra Diver Externe Visciele	32
Suith Trans Marshan	32
South Texas Marsnes	32
Southern Holland, Europe	32
Kiel, Germany	32
Western Greece	33
DISCUSSION	33
CONCLUSIONS	34
SYSTEMATIC TAXONOMY	35
ACKNOWLEDGMENTS	45
REFERENCES	45
APPENDIX	48
Table 1 Foraminiferal occurrences at areal marsh stations	

Table 2 Foraminiferal occurrences at areal marsh stations	
7–15, Chezzetcook Inlet	49
Table 3 Foraminiferal occurrences at areal marsh stations 16–20, 45–48, 56, Chezzetcook Inlet	50
Table 4 Foraminiferal occurrences along transect I, Chezzetcook Inlet.	51
Table 5 Foraminiferal occurrences along transect III, Chezzetcook Inlet	52
Table 6 Foraminiferal occurrences along transect II, Chez- zetcook Inlet	53
Table 7 Foraminiferal occurrences along transect V. Chez- zetcook Inlet	53
Table 8 Foraminiferal occurrences along transect IV. Chez- zetcook Inlet	54
Table 9 Foraminiferal occurrences in the Chebogue Harbour marshes	55
Table 10 Foraminiferal occurrences in the Chebogue Har- bour marshes	56
Table 11 Foraminiferal occurrences in the Wallace Basin marshes.	57
Table 12 Foraminiferal occurrences in the Wallace Basin marshes	57
Table 13 Foraminiferal occurrences in Summerville marsh	58
Table 14 Foraminiferal occurrences in Newport Landing transect	58

FIGURES

1.	Regional map	6
2.	Map of Chezzetcook	8
3.	Plant and salinity occurrences on transect I. Chezzetcook	
	Inlet	9
4.	Plant and salinity occurrences on transect III. Chezzetcook	
	Inlet	10
5.	Plant and salinity occurrences on transect II, Chezzetcook	
	Inlet	11
6.	Plant and salinity occurrences on transect V. Chezzetcook	
	Inlet	12
7.	Plant and salinity occurrences on transect IV, Chezzetcook	
	Inlet	13
8.	Seasonal variation of salinity at Chezzetcook stations 4a. b:	
	7b-d; 20b	15
9.	Foraminiferal occurrences along transect I. Chezzetcook In-	
	let	16
10.	Foraminiferal occurrences along transect III. Chezzetcook	
	Inlet	17
11.	Foraminiferal occurrences along transect II, Chezzetcook	
	Inlet	18
12.	Foraminiferal occurrences along transect V. Chezzetcook	
	Inlet	19
13.	Foraminiferal occurrences along transect IV, Chezzetcook	
	Inlet	20
14.	Summary of Chezzetcook physical, vegetation, and fora-	
	miniferal data	21
15.	Surface sample locations in Chebogue Harbour marsh	22
16.	Plant and foraminiferal distribution, Chebogue Harbour	23
17.	Surface sample locations in Wallace Basin marsh	25
18.	Plant and foraminiferal distributions, Wallace Basin	26
19.	Surface sampling localities at Summerville marsh	27

- 22. Comparison of southern Californian marsh data and Nova Scotian marsh data ______ 31

TABLES

1.	The vegetation, salinity, dates of collection and organic car-	
	bon percent of sediment of the areal Chezzetcook marsh	
	stations	14
2.	The vegetation, salinity, and dates of collection for Chebo-	
	gue Harbour marsh stations	24

PLATES

1.	Marsh	Foraminifera		36
2.	Marsh	Foraminifera		36
3.	Marsh	Foraminifera		36
4.	Marsh	Foraminifera		40
5.	Marsh	Foraminifera		43
Fol	dout I		in ba	i¢k

QUANTITATIVE STUDIES OF MARSH FORAMINIFERAL DISTRIBUTIONS IN NOVA SCOTIA: IMPLICATIONS FOR SEA LEVEL STUDIES

D. B. SCOTT AND F. S. MEDIOLI

ABSTRACT

The study of surface samples was used to determine the marsh foraminiferal distributions in five marsh areas in Nova Scotia: Chezzetcook Inlet, Chebogue Harbour, Wallace Basin, Summerville marsh, and Newport Landing.

Detailed surface sampling in Chezzetcook revealed that marsh foraminifera are distributed in well-defined vertical zonations with respect to mean sea level and closely parallel marsh floral zonations. These zones vary slightly between marshes but appear to remain broadly similar throughout the world.

The foraminiferal zonation in Chezzetcook Inlet is used to exemplify the general situation in Nova Scotia. In this estuary the vertical range of the marsh can be divided into two zones, each divisible into two subzones. Zone II, which covers most of the middle and lower marsh, extends from approximately mean sea level (0) to about +75 cm and is characterized by the presence of *Cribrononion umbilicatulum*, *Ammotium* salsum, *Miliammina fusca* and *Trochammina inflata*. At +75 cm these forms are replaced by *Tiphotroca* comprimata and *Trochammina macrescens* which characterize zone I up to +101 cm, where all foraminifera disappear abruptly. The foraminiferal disappearance marks the higher high water level. This distribution can be used to relocate former sea levels in subsurface material to an accuracy of within ± 5 cm.

Less detailed sampling of marsh areas in the other four study localities indicated that the same relationships observed in Chezzetcook occur there as well. Examination of detailed data from southern California and less detailed data from other parts of the world suggests that marsh foraminiferal assemblages can be used universally as accurate indicators of former sea levels.

We describe a new species, *Thurammina? limnetis* n.sp. and, using an intergradational series, we place *Jadammina polystoma* in synonymy with its senior, subjective synonym *Trochammina macrescens*.

INTRODUCTION

Several previous papers (Phleger, 1965a, 1966, 1967, 1970; Phleger and Bradshaw, 1966; Ellison and Nichols, 1976), have suggested that vertical foraminiferal zones exist in salt marshes which correlate with comparable floral assemblages. Until recently no detailed study accurately identifying the extent and limits of these zones has been attempted. Scott (1976a) examined in detail two marshes in southern California, defined the exact limits of the marsh foraminiferal zones present, and correlated them with floral assemblages and elevation above mean sea level (hereafter indicated as: a.m.s.l.). This study was of limited value because it was restricted to a particular set of climatic conditions (i.e., arid-warm) and the results could not necessarily be extrapolated to other climatic regions. To determine the potential and applicability of this study a similar investigation had to be initiated under a different climatic regime. The present study examines, with the same techniques and detail used in California, several marshes from the temperate-humid climate of Nova Scotia. The results from the two areas can now be compared directly and a more comprehensive picture of the vertical distribution of marsh foraminifera can be compiled.



Regional map showing the five areas of investigation.

The marshes for study in Nova Scotia were chosen with four criteria in mind:

 they had to be large enough to establish if observed relationships remained valid over a broad, continuous surface;

2) they had to be widely spaced to assess the magnitude of potential regional differences;

3) they had to be characterized by a strong salinity gradient from head to mouth to determine what effect salinity changes might have on vertical distribution of marsh foraminifera; and

4) they had to have a wide diversity of tidal range to determine what effect tidal range had on the overall marsh vertical range.

Based on these criteria three major and two subsidiary marsh areas were chosen: Chezzetcook Inlet, Chebogue Harbour, Wallace Basin, Summerville marsh, and Newport Landing (Fig. 1). The small subsidiary marsh areas, Summerville and Newport Landing, were included to provide information on faunal characteristics in an incipient marsh (Summerville), and on an area with an extreme tidal range (Newport Landing in the Bay of Fundy). Chezzetcook was studied in the greatest detail and the information from this area forms a basic framework into which less detailed data from the other sources can be placed.

Little attention has previously been given to accurate foraminiferal zones within marshes and even less to their possible application in determining Holocene sea level changes. Comparison of the Nova Scotian data with those from California and, to some extent with those of other parts of the world, allows us to determine the reliability of the vertical relationships observed for marsh foraminifera. Once the reliability is established on a worldwide basis, then the information can be used universally to relocate former sea levels accurately, as suggested by Scott and Medioli (1978). Such a conclusion would be particularly important because previous methods for relocating former sea level, based on undifferentiated marsh deposits, had an accuracy of ± 100 cm at best, while the use of marsh foraminiferal zonations may refine the resolution of these deposits to an accuracy of ± 5 cm.

Although the term "marsh" is a common one, it is often misused. In the present study the term refers to an area limited vertically by mean sea level and higher high water level and covered by various types of vegetation as discussed by Chapman (1960). "Marsh," as defined above, does not include tidal mudflats, shallow subtidal estuarine areas, or freshwater swamps.

PREVIOUS WORK

No previous work has been done on modern salt marsh foraminifera in Nova Scotia. F. B Phleger has contributed most of the knowledge concerning distributions of modern marsh foraminifera in other areas of the world with studies in Barnstable. Massachusetts (Phleger and Walton, 1950), the Mississippi delta (Phleger, 1954, 1955), southwest Florida (Phleger, 1965a), southern Texas (Phleger, 1965b, 1966), the Pacific coast of North America (Phleger, 1967), Baja California (Phleger and Ewing, 1962), Europe and New Zealand (Phleger, 1970). Lutze (1968) investigated some marsh areas in Germany near Kiel in the course of studying a large brackish lagoon. More recently a thorough study of marsh foraminifera was done in the James River estuary (Virginia) by Ellison and Nichols (1976) and Scott (1976a) examined marsh foraminifera in Tijuana and Mission Bay marshes, southern California. Scott (1976b) did a reconnaissance study of some brackish marshes in southern California. Zaninetti and others (1977) reported on marsh foraminifera from Brazil. A recent paper (Scott and others, in press) has just been completed on modern marsh foraminifera in Greece.

There are many general investigations of marshes which do not relate directly to foraminifera but are important in contributing to the overall understanding of marsh ecology and processes. A few relevant examples are listed here. Chapman (1960, 1976) provided a comprehensive review of all marshes; Redfield (1972) performed an integrated biological and geological study of Barnstable marsh, Massachusetts; MacDonald (1969) did one of the few studies where plants and animals (mollusks in this case) were compared quantitatively along a marsh gradient; Waisel (1972) examined salt tolerances of some marsh plant species which yielded insights as to the mechanism of floral zonations; Bradshaw (1968) illustrated the variability of some marsh parameters in Mission Bay, California, and Stevenson and Emery (1958) reported physical marsh parameters along a vertical gradient in Newport Beach, California.

METHODS

Collection of Surface Material

At all marsh stations samples were collected along transect lines by walking out onto the marsh surface at low tide and obtaining the material required for study. Replicate samples of 10 cm³ (10 cm² × 1 cm) were obtained at all localities (the same standard size used by Phleger). Since the marsh material was rootbound and difficult to penetrate, a small, hand-held, stainless steel corer with a sharp, serrated edge at one end was developed (i.d. = 3.6 cm, o.d. = 3.8 cm, length = 8–10 cm) by the authors. This tube cuts through the marsh material without compressing it and produces a small core that can be extruded with one finger and from which the top 1 cm can easily be sliced. Foraminiferal samples were placed in a cold room subsequent to collection to prevent fouling.

COLLECTION OF PHYSIO-CHEMICAL DATA

Salinities were recorded at most stations concurrently with the collection of surficial sediments. An American Optical salinity refractometer (compensated for temperature variance) was used to determine salinities. This instrument requires only a few drops of water and is especially useful for measuring interstitial water in the drier parts of the marsh.

Accurate elevations along transects were obtained using a transit and stadial rod and measurements were tied into nearby benchmarks.

Temperatures were not measured directly because the variance in the marsh environment mirrors the extremely high variations in the atmosphere which renders spot measurements meaningless.

PREPARATION OF SAMPLES

Organic carbon content (dry weight) was determined for some marsh localities. The samples were first dried at 100°C, weighed, and then ignited in a muffle furnace at 400–500°C for 12 hours and weighed again to obtain the percentage carbon.

All foraminiferal samples were prepared by the following procedure within a week of collection: 1) wet sieved through 0.5 mm and 0.063 mm sieves (0.5 mm retaining the coarse organics and allowing the foraminifera to pass through to the 0.063 mm screen); 2) fine organic material was separated from the foraminifera by decantation; 3) fixed in a solution of buffered formalin and Rose Bengal and allowed to stand overnight; and 4) washed free of formalin solution and preserved in denatured ethanol.

Samples containing excessive amounts of sand were dried and the foraminifera separated from the sand by flotation in carbon tetrachloride (sp.g. 1.58). The separated foraminifera were then resuspended in alcohol. All samples were examined in a liquid medium which makes the test transparent thus facilitating detection of Rose Bengal stain.

Photographs of species were taken using the Cambridge Scanning Electron Microscope located at the Bedford Institute of Oceanography, Dartmouth, N.S. Polaroid N/P 55 film was used.

NOVA SCOTIAN MARSHES

CHEZZETCOOK INLET

Introduction

Chezzetcook Inlet (Fig. 1, Fig. 2, see foldout 1) is located 45 km ENE of Halifax, along the Eastern shore of Nova Scotia. Together with Chebogue Harbour (at the extreme southern tip of the province), this is the only area on the Atlantic Coast of Nova Scotia with extensive marsh formations.

Vegetation

A distinctive characteristic of most salt marshes in the world is the vertical zonation of plants (Chapman, 1960). In incipient marshes this vertical zonation may not be as well established as in a mature marsh. An overall view of the salt marsh distribution in Chezzetcook (Fig. 2) illustrates that most of the mature marsh areas (characterized by wide areas of *Spartina patens*) are confined to the upper estuary. One large mature marsh area is near the mouth behind the large barrier at Cape Entry. The large low marsh areas (immature marsh in Fig. 2) in the central part of the estuary are newly formed and occupy only a small vertical range (10–15 cm a.m.s.l.). *Zostera* (eel grass) beds form on mudflats below mean sea level. It is possible that the eel grass beds may play a significant role in salt marsh





FIGURE 3

Plant and salinity occurrences on transect I, Chezzetcook Inlet. Dots in upper part of diagram are sampling localities while vertical bars below represent percentage occurrences of each plant type at each locality.

formation by trapping sediment, thus allowing some surfaces to rise faster than sea level and eventually allowing salt marsh colonization. The areas in Chezzetcook that appear to be forming marsh most rapidly at the present time are those where eel grass is abundant.

Five transects (foldout 1), two in the upper estuarine marshes (trans. 1, III, Figs. 3, 4), two in the central

←---

FIGURE 2

Map of Chezzetcook Inlet delineating the mature (unshaded) marsh areas from the immature (shaded) or newly formed marsh areas.



area (trans. II, V, Figs. 5, 6), and one at the mouth of the estuary (trans. IV, Fig. 7) illustrate the vertical floral zones present in Chezzetcook.

Higher high water is marked by the first occurrences of *Spartina cynosuroides*. The high-marsh floral zone occurs at 80–110 cm (a.m.s.l.) in the central transects and at 70–100 cm a.m.s.l. in the upper and lower estuarine transects. The middle-marsh floral zone has the vertical range of 70 ± 5 cm to 85 ± 5 cm a.m.s.l. in the central estuary and a corresponding lower range in the upper and lower estuarine transects (50 ± 5 cm to 70 ± 5 cm a.m.s.l.). The low-marsh floral zone can be divided into two subzones: the higher low-marsh subzone A (55 ± 5 to 70 ± 5 cm a.m.s.l.) and the lower low-marsh subzone B (-30 to 55 ± 5 cm a.m.s.l.). These subdivisions can only be distinguished in the central and lower estuarine transects because the sides of the channels, due to the undercutting of the marsh peat by the tidal streams, are too steep in the upper estuary to allow the full development of low marsh.

Physical Parameters

Physical parameters that have been examined in Chezzetcook are tidal range, salinity, total organic carbon content of the sediments, and seasonal variations of temperature and precipitation. Of these, salinity was monitored the most closely.



Plant and salinity occurrences on transect II, Chezzetcook Inlet. Format is the same as Fig. 3.

Tidal range is slightly lower at the head of the estuary than at the mouth. At the head (tidal gauge data from the railroad trestle in East Head) the maximum tidal range was 186 cm with higher high water at +192cm and lower low water +6 cm with Zo (mean sea level) at +107 cm.

At the mouth of the estuary (taken to be the same as Halifax Harbour) the maximum range is 214 cm with higher high water at +226 cm and lower low water at +12 cm, with Zo at +125 cm.

Due to the extreme difficulty of obtaining accurate sediment salinities at high tide, measurements were performed at low tide and they may represent minimum values, especially during periods of high freshwater runoff. At high tide the marsh is flooded with more saline water, which results in temporarily increased salinities.

The salinity data show seasonal differences (Fig. 8, Table 1), along the vertical gradient in the marsh (Figs. 3-7, Table 1), and differences between marshes in the



upper and lower estuary (Figs. 3-7, Table 1). The seasonal changes are best documented at stations 4, 7, and 20 (Fig. 8). Station 4 is located in the upper, station 7 in the lower and station 20 in the central estuary. All stations demonstrate that salinities are lowest in the spring and fall when freshwater runoff is at its maximum and salinity increases to its maximum values during the summer. These trends are substantiated on a marshwide basis by less detailed measurements from other stations (Table 1). The upper estuarine marsh station (4a, b) has the widest range of variability (0-20%) but values in the upper estuarine marshes were never as high as those observed in the lower estuary (sta. 7c, d, 20-30%). The best documented vertical salinity data were obtained along the five transects. Transects III to V are most easily compared as these data were all collected in July, 1976 (Figs. 4, 7, 6, respectively). Transect III, in the upper estuary, illustrates little salinity change with elevation largely because most of the transect is contained in one narrow vertical floral zone. However, the highest salinity measured was in the low marsh (26%) and the lowest in the high marsh (10%) which indicates an inverse relationship between salinity and elevation. The inverse relationship is established more clearly in transects IV and V where all floral zones are more equally represented. Salinities appear to be uniformly low in all high marsh areas (3-10%) but increase seaward in the middle- and low-marsh floral zones. Maxima of 30% in the low marsh areas of transect IV are observed. All measurements for transects III to V were carried out in the summer and they probably represent maximum salinity values. Transects I and II (Figs. 3, 5) were carried out in the fall of the previous year and,



Plant and salinity occurrences on transect IV, Chezzetcook Inlet. Format is the same as Fig. 3.

although not strictly comparable to transects III to V, they show the same inverse relationship between elevation and salinity.

Organic carbon content was measured at a few selected localities (Table 1). These measurements demonstrate that the organic carbon content of the marsh sediments is usually much higher than that of the adjacent mudflats. The data also illustrate a moderate vertical gradient in the organic carbon content, with organic carbon decreasing with decreasing elevation.

Sedimentation

No marsh sediments were analyzed for grain size distribution. It is known, from treating the foraminif-

eral samples, that most of the sediment in the marshes is in the silt and clay size range with little sand. Sedimentation rates are relatively low except at the lowest edge of the marsh where sediment-rich waters first contact the marsh vegetation which serves as a sediment trap. Levees, commonly observed along marsh channels, are the result of this trapping effect. Chapman (1976) demonstrated in marshes in Massachusetts, similar to those of Nova Scotia, that accumulation rates in the marsh change vertically. The low marsh (*Spartina alterniflora*) was shown to accumulate at 6 mm/yr, the middle marsh (*Spartina patens*) at 1.3 mm/yr, and the high marsh at 0.6 mm/yr. Chapman (1976) included data from other sources suggesting the same trend for other marshes. Harrison and TEXT TABLE 1

The vegetation. salinity, dates of collection and organic carbon percent of sediment (only at stations 2, 4, 6, 7, 20) of the areal Chezzetcook marsh stations.

L

Γ

Ļ

			1	the sour	·				- 								
3	 	t, -	ţI	٢,	Į,	t	J	† -	1		-11		Пī		1-		İΤ
	962976	1. ⁴	Ľ۱ ۴a	L."	自治	L.*	4.9		L.	↓ 	44 11				↓↓ ∟i	ļ	41.
		*	191	, v				a a		-	Į,					-	
		- 4	1	Ľ.	Ì.		Ê.	÷.; +	ĻĻ	Ť.	ŕЦ		Ц		ų.		ļl
÷.	077678	40404 900099 900099	1 	? 		, ,	 	+	 -		· +• i		+++		 -	 	 ++
	ð1, 6-15	1	1	1					t) ti								1
Ì	92 #1/5	d Ly	10	1		i i							. .		l		T
	91/mt79	†	- Selfer	1.28	192		78° unt		25.54	 	∔-† • 	n a si sa mana	1		∔. !		++ [
	96.079		1		22.20		25.00										
	91/m/Þ	ġż		j.		. e.	0.1	i.									
	94 16 /8	ŀ	10%		187		62.4					-					11
	92/00/1	ŵ, a	5 4/20	5.P.		3.5.	6.V	1									T
	92/11/6		179/22		24%		13%		20%		5						Ť
1	92/52/7	1	20	1.0	4.6	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		000 0 0 000 0			1						
	94/11/9		6 P/a		1.1		16.2	<u>†</u>	4				İΠ		Ħ		İŤ
15	96/52/1		-			n pe		lei ai gi	10								++
	9//11/9	ļ-			H	a 440	2 - 2		~			•			+-		H
2			2 	م <u>ن</u> به به		6.92			-					•			╫
		- ×	۵ 	ສ່ ທີ່ ບໍ		ਲੇ ਜੇ ਤੋ	V 10'		#				+		4		\mathbf{H}
=	9271178		62		2	-	10		-		Ĥ						$\left \right $
	96/35/9	1		6 F	ř.	2 co	7.0	ļ	ĻĹ				ļЦ			_	4
5	92/11/8	ļ	101	ļ	1 12%	 	57	ļ									4
	9275279 		-V.2	-dos n.e.n	62	g Cb	0.1	:									
Ξ	91/18/19		Ľ.	й. э	 	, idg	Ц.	 	++	ļ							+
2	92/11/9		ļ	1		-		diş.									
°	94/11/9	ġ		d d X e		3.6		1 4		A.K.							
*	927678	i i i	• * 07		31		Ĭ	1 ×							: 		
1	92/11/9	don N			6.9	4	1			× F							
	91/6/8				11.8		1274				Π						T
	95/9/8	50p.	20.4	а. 6.	6.11	į	10										
4	92/12/6 52/52/6	4 a 9 0		Scp.		i. vi		1			Ì	i v		÷.	++-		
-	\$1/4 2 /6	12 X 10		4.2	35 0	4 11		1. 1. 1.	Π								
-	51/97/6	ģż		हो. त्ये इ. त्ये		4 12 16 15		1							I		T
	92/5/8		\$7.5		200					·	345						11
r4	96,7175	ġ	- 7.0	d.	8	à	A.	•	-13%		t†		Ш		Ħ		ŤŤ
	97.7678			<u></u> +			137/40	+	14.04		+		Mar 1		77,02		
-	96/08/9		0.5%	84h	2/04	ġ	†	·4-9	47/4	4	145	•	21.14	1.9		A.F.	374
		Ta	Isnaty [Yee	ALC: N	Vec	Value		- Allowing	,		3	1 Santa	, w	1 nuty		Tures +
NUMB.	-1141 GA	LINE LOS	.е.;	ł	r 1		88 88		Se.		So.		2		50		5.85
ATATI'S.	s America 13	NA - NA	*		R	t L	9		a	1			2		.,		2.
		36		1		L		1		i							

Plant abbreviations:

- s.c. Spartina cynosuroides s.p. S. patens s.a. S. alterniftora
 - s.p. S. patens
 s.a. S. alterniftora
 J.g. Juncus gerardi
 Pl. Plantago
 P.A. -- Potentilla anserina

1 1 1

· · · · ·

- G.R. Solidago semivirens Scp. Cyperaceae sn. Salicornia Dy. Distichlis Li. Limonium M.F. mudflat

Bloom (1977) have shown that sedimentation rates in marshes are closely related to tidal range with higher sedimentation occurring in marshes with higher tidal ranges.

Foraminiferal Distribution

Two types of sampling were carried out in the marsh area of Chezzetcook: 1) an areal survey to determine relatively large-scale lateral variations, and 2) extremely detailed transects across the marsh surface to determine small-scale vertical and horizontal variations. Additionally, seasonal variations were examined at selected locations to determine if the composition of the various faunal zones changed seasonally (Scott, 1977, 1978).

Areal samples: At these stations (1–20, 45–48, 56, see foldout 1) 33 species, 19 of which had living representatives, were observed. Vertical faunal zones as well as lateral groupings could be delineated. Detailed vertical faunal zones cannot be discussed in conjunction with these samples; however, lateral variations in foraminiferal associations can be divided into three distinct environmental groups: upper estuarine, central estuarine, and lower estuarine marshes.

Upper estuarine marshes: This association was observed in the East and West Head areas (sta. 4, 5a-d, 6, 9-18, 45, 56, Appendix Tables 1-3). It appears to be dominated at all levels by *Trochammina macres*cens. Large populations of *Tiphotrocha comprimata* also occur. In higher elevations Haplophragmoides bonplandi is common and sometimes dominates. In the lower areas Miliammina fusca, Ammobaculites foliaceus, and Ammotium salsum are common. In the uppermost estuarine areas H. bonplandi disappears (sta. 6, 9, 10). At stations 45 and 56 some thecamoebians are observed in the lower areas.

Central estuarine marshes: This association was observed in the seaward portion of the West Head and down the estuary almost to the mouth (sta. 1-3, 5e-g, 20, 46–48, on foldout 1, Appendix Tables 1–3). The central estuarine marshes are generally narrower with a more uniform vertical gradient than the marshes observed in the upper estuary. The area is dominated by T. macrescens in the higher areas and M. fusca in the lower areas. H. bonplandi disappears from the high areas except for an isolated occurrence at station 46, and A. foliaceus is absent from the lower areas. The calcareous species, Cribrononion umbilicatulum, Protelphidium orbiculare, and Ammonia beccarii, make their first appearances in the lower part of the central estuarine marshes. Stations 47 and 48 represent areas of newly forming marsh and only the lowest marsh is



Seasonal variations of salinity at Chezzetcook stations 4a, b; 7b-d; 20b.

present. The fauna observed at these stations corresponds with the lowest parts of the fully developed marshes. Distributions at stations 47 and 48 are extremely irregular and populations are usually small.

Lower estuarine marsh: This is a relatively small area near the mouth (sta. 7, 8, 19 on foldout 1, Appendix Tables 2, 3). The area is dominated almost exclusively by *M. fusca*; but large populations of *C. umbilicatulum*, *A. beccarii*, *Helenina andersoni*, *Hemisphaerammina bradyi*, *Trochammina inflata*, and *Jadammina polystoma* (an ecotype of *T. macrescens*; see SYSTEMATIC TAXONOMY) also occasionally occur.

Transects: The same five transects discussed above were sampled for foraminifera (foldout 1). Using these transects the marsh foraminiferal faunae can be divided into distinct vertical zones. Here we use the dominant species to define a zone, presence or absence of subdominant species to recognize subzones, and subsubzones are delimited on the presence or absence of a subdominant species whose occurrence appears to be restricted not only by elevation, but also by some other parameter (such as salinity).

Upper estuarine transects—I and III: Transect I (Fig. 9, Appendix Table 4) was located in the West Head and transect III (Fig. 10, Appendix Table 5) in



FIGURE 9

Foraminiferal occurrences along transect I, Chezzetcook Inlet. Dots in upper part of diagram are sampling localities. Double vertical bars below represent replicate percentage occurrences of each species along the transect, except the lowest set which indicate total numbers per 10 cm³. Horizontal connecting lines indicate averaging, hence vertical lines ending either outside or inside these lines are intra-zonal rather than inter-zonal differences. Total numbers are often higher than 1,000; however, significant variations appear to occur only between 0 and 1,000 so the scale is limited to this figure.

the East Head. At 95–100 cm a.m.s.l. foraminiferal numbers decrease sharply in transect I. Unfortunately no samples were obtained from comparably high elevations in transect III; however, the most landward sample (no. 2, Appendix Table 5) at 88 cm a.m.s.l. shows a decrease in population. This decrease corresponds closely with the higher high water datum (HHW, 92 cm a.m.s.l.), as determined with tide gauges at the head of Chezzetcook. Below HHW the marsh fauna in the upper estuary can be divided into two zones: zone I (65 \pm 5 to 95 cm a.m.s.l.) and zone

II (-15 ± 15 to 65 ± 5 cm a.m.s.l.). Additionally zone I can be subdivided into two subzones I_A (88–95 cm a.m.s.l.) and I_B (65 ± 5 to 88 cm a.m.s.l.). Subzone I_B can be further divided into sub-subzones I_{B1} (70–88 a.m.s.l.) and I_{B2} (60-70 cm a.m.s.l., Trans. I only). The faunal zone II can be divided into two subzones (an upper subzone II_A and a lower II_B); however, their exact vertical boundaries could not be determined because the steep vertical gradient prevented reliable sample coverage.

Central estuarine transects-II and V: Transect II



(Fig. 11, Appendix Table 6) was the most seaward while transect V (Fig. 12, Appendix Table 7) was located farther up the estuary. At 100–110 cm a.m.s.l. in both transects the foraminiferal numbers decrease sharply. This corresponds closely with HHW (as obtained from tidal data for Halifax which is comparable to the open part of Chezzetcook) which occurs at 101 cm a.m.s.l. Below HHW (95–100 cm a.m.s.l.) again two zones can be distinguished: zone I (75 \pm 5 to 100 cm a.m.s.l.) and zone II (-15 \pm 15 to 75 \pm 5 cm a.m.s.l.) As in the upper estuary these zones can be subdivided into subzones and sub-subzones. Zone I can be divided into two subzones, I_A (95 to 100 cm a.m.s.l.) and I_B (75 \pm 5 to 95 cm a.m.s.l.). Zone II can

be divided into two subzones: II_A (55 ± 5 to 75 ± 5 cm a.m.s.l.) which is divisible into two sub-subzones (II_{A1}, 70 ± 5 to 75 ± 5 cm a.m.s.l.; II_{A2}, 55 ± 5 to 70 ± 5 cm a.m.s.l.) and II_B (-15 ± 15 to 55 ± 5 cm a.m.s.l.).

Lower estuarine transect—IV: Transect IV (Fig. 13, Appendix Table 8) was located in the relatively large marsh area near the mouth (foldout 1). This area was chosen because it was the only area near the mouth having a fully developed marsh vegetation sequence. In the elevation range from 78 to 103 cm a.m.s.l. there were virtually no foraminifera. In the short range between 69 and 78 cm a.m.s.l. a fauna resembling those observed in higher elevations at the other transects



Foraminiferal occurrences along transect II, Chezzetcook Inlet. Format is the same as Fig. 9.

occurs. Below 68 cm a.m.s.l. a faunal zone II occurs but is much more diverse than those in the upper and central estuary. The upper part of this transect was probably not representative since salinities were abnormally low, probably because of excessive runoff which was funneled into this location.

All information from Figures 3–7 and 9–13 is summarized in Fig. 14.

The total foraminiferal population (live plus dead) has been used to define assemblages. As pointed out

by Albani and Johnson (1975) the total population is a more reliable indicator of assemblages because all of the seasonal variations are integrated into it, and no seasonal variation of living species will be overemphasized. Comparison of replicate samples indicates that variations between the total numbers at any one station are usually small in comparison with the large variations between corresponding living populations. Consequently, any meaningful interpretation of the assemblages based only on living data would be ex-



tremely problematic. This conclusion is further supported by seasonal studies in this area (Scott, 1977, 1978) which show that, although living populations vary considerably during the seasonal cycle, total assemblages do not change significantly.

CHEBOGUE HARBOUR

Introduction

Chebogue Harbour is located in the southwestern part of Nova Scotia (Fig. 1); it is similar in size to



Foraminiferal occurrences along transect IV, Chezzetcook Inlet. Format is the same as Fig. 9.

Chezzetcook and, like Chezzetcook, contains an extensive marsh system (Fig. 15). The marsh in Chebogue has a similar morphology to those areas at the head of Chezzetcook with steep-sided channels and large, low-gradient areas comprising much of the marsh. Unlike the head of Chezzetcook, however, most of the low-gradient areas in Chebogue would be classified into low-marsh floral subzone A rather than into the middle-marsh floral zone.

Vegetation

Plant species occurring in Chebogue are essentially the same as those in Chezzetcook and they appear to have a similar distribution pattern (Table 2). Some floral zones, especially the low-marsh floral zones, however, are enlarged vertically because of an expanded tidal range (Fig. 16). The low-marsh zone, consisting of either 100% Spartina alterniftora (subzone B) or

			Org.	Sed.	Sal.	Flora	lidal	Upper Est.	Central Est.	Lower Est.	Fau	inal	
		Plant Species	С%	Rate	Range	Zones	Heights	Foram Spp.	Foram Spp.	Foram Spp.	Zon	es	
1	0-	<i>S. cynosuroides</i> Terrestrials					EHW HHW	No Forams	No Forams	No Forams			
IC	0-0	Cyperaceae Potentilla	18-	.6 mm	3-	Hiah		T. macrescens	T. macrescens		I	Α	
g	0-	Juncus Solidago	50	∕yr.	10‰	Marsh		T. macrescens T. comprimata	T. macrescens	Few Forams	Upper Estuary	Central Estuary	
8	0-				ļ			H. bonplandi	T. comprimata		ΙBι	IB	
_		S. patens	25- 35	1.3 mm /yr.	10- 30‰	Middle Marsh	MHHW	No H. bonplandi T.macrescens	M. fusca	T. macrescens T. comprimata	IB2	ΠΑι	
e e	0- 0-	S. patens S. alterniflora		No values		Low Marsh	MLHW	T. comprimata M. fusca	M. fusca T. inflata	M. fusca	IA	I A2	
۔ ء ا_	:0		12- 31		18- 31‰			T. inflata M. fusca	M fusca	T. inflata J. polystoma		I	
S N N	- U							T. inflata	A. salsum	H. ander soni	П	в	
9 0 0	0-	S. alterniflora		6 m m		Low Marsh		A. salsum A. foliaceus	C.umbilicatulum P. orbiculare	C.umbilicatulun	7 		
ē:	50-			/yr.		В							
Š2	20-												
	10-												_
	~						MSL						
	0-												
-	10-												
-2	20-												_
-3	50-	Lowest Marsh						、 、					

FIGURE 14

Summary of Chezzetcook physical, vegetation, and foraminiferal data. Abbreviations: EHW = extreme high water, HHW = higher high water, MHHW = mean higher high water, MLHW = mean lower high water, MSL = mean sea level.

any mixture of Spartina patens and S. alterniflora (subzone A), occupies approximately $\frac{4}{5}$ of the tidal range (approx. 200 cm) in Chebogue as compared with only $7/_{12}$ of the tidal range in Chezzetcook. High-marsh floral subzone B consists of any combination of highmarsh vegetation (Solidago sempervirens, Cyperaceae, Juncus spp.) together with varying percentages of S. patens (225-245 cm a.m.s.l.) with high marsh subzone A (245-250 cm a.m.s.l.) lacking S. patens. There is virtually no area that can be defined as the middle-marsh floral zone. It appears that the high marsh zone is compressed vertically with its relative vertical range decreasing in the higher tidal range of Chebogue while its absolute vertical range remains the same (25-30 cm).

Physical Parameters

The most important physical characteristic of this marsh in relation to the others is the expanded tidal range. Higher high water occurs at 250 cm a.m.s.l. with a total tidal range of 486 cm (data from Yarmouth). Since no convenient benchmarks could be located, the base of the marsh (i.e., bottom of the Spartina alterniflora) was used as MSL indicator in the semi-detailed transects carried out (Fig. 16). In one transect the marsh range was 192 cm while in the other it was 245 cm. Considering the variance of the base of the marsh around MSL as observed in Chezzetcook, these values are sufficiently consistent to assume that the marshes in Chebogue, even with the expanded tid-



Surface sample locations in Chebogue Harbour marsh.

al range, still extend from approximately MSL to HHW. Water salinities showed an inverse relationship with elevation, similar to Chezzetcook (Table 2). High marsh values ranged from 2-19%, and low marsh from 13-35%. Salinities were lowest in isolated channels near the head of the estuary.

Foraminiferal Distribution

As in Chezzetcook all samples were collected in replicate. One hundred and four samples from 52 localities were analyzed for foraminiferal content (Fig. 15). Thirty-two species, 15 of which had living representatives, were observed in the samples (Appendix Tables 9, 10).

Two semi-detailed transects (Stations 2, 3, Fig. 16) were carried out in areas where there was a complete vertical section of marsh. Although these transects are not as detailed as those in Chezzetcook, the same basic characteristics emerged. At HHW the total populations in both transects decrease sharply. Just below HHW (5-10 cm below) the fauna is composed of almost 100% Trochammina macrescens (faunal zone I_A). In the faunal subzone $I_B T$. macrescens and Tiphotrocha comprimata are both common. Faunal zone II can again be divided into two subzones. In faunal subzone II_A Miliammina fusca and Trochammina inflata dominate with T. macrescens and T. comprimata disappearing. In faunal subzone II_B M. fusca dominates with Cribrononion umbilicatulum being common towards the lower end of it. With the increase in calcareous species the total number decreases. Ammotium salsum, a common faunal zone II constituent in Chezzetcook, is absent from these transects as well as most of the other areas sampled in Chebogue.

These transects were in the central estuarine area; however, some samples collected in isolated channels (sta. 7, 9) demonstrated the existence of a faunal subzone I_B assemblage denoting more brackish conditions similar to those in Chezzetcook with significant percentages of Haplophragmoides bonplandi. A different faunal subzone $I_{\rm B}$ occurred at two localities (4d, 8a) dominated by Trochammina inflata with varying percentages of Tiphotrocha comprimata and Trochammina macrescens and low percentages of Miliammina fusca. These rare faunal subzone I_B associations occurred where salinities were higher than would be expected for a high marsh area. Some areas had a more clearly characterized faunal subzone II_A with higher percentages of Trochammina inflata (stations 1d, 4b, c, 4b, d, 6b, d, 7c, 8b, d, Appendix Tables 9, 10).



Plant and foraminiferal distribution at stations 2, 3 in Chebogue Harbour. Format similar to Fig. 9 but less detailed.

WALLACE BASIN

Introduction

This marsh system occurs on the Nova Scotia shore just across from Prince Edward Island (Fig. 1). The area is similar in many respects to Chezzetcook and Chebogue but is slightly smaller than the other two. The marsh is similar to Chebogue in that the middlemarsh floral zone, if it exists at all, is extremely restricted. There are few areas with steep-sided channels compared to those occurring in Chezzetcook and Chebogue.

Vegetation

Vegetation here is similar to that in the other areas except that, in the high-marsh floral zone, *Juncus ge-*

rardi is usually the dominant form rather than the Cyperaceae (Table 3). The middle-marsh floral zone appears to be compressed into an extremely small vertical range of 5 cm with high marsh occupying the upper 50–70 cm and the low-marsh floral zone (both subzones) occupying the lowest 50-70 cm.

Physical Parameters

The tidal regime in Wallace as well as the rest of the Gulf of St. Lawrence is a mixed system; it is influenced equally by semi-diurnal and diurnal components. Hence this tidal system is not strictly comparable with the Atlantic coast. However, HHW is reported as occurring at 113 cm a.m.s.l. (from Malagash which is close to Wallace), which is comparatively close to HHW at Chezzetcook.

TEXT TABLE 2

The vegetation, salinity, and dates of collection for Chebogue Harbour marsh stations. Plant abbreviations are the same as those in Text Table 1.

STATION NUM	85K	1	2	3	4	5	6	7	a	9	10
DATE		6/22/78	6/22/76	6/22/76	6/22/76	6/22/76	6/22/76	6/22/76	6/22/76	6/22/76	6/22/76
Substations	Noa	S.C., P.A.,			8.d.			a.ç.	J.g.	Sep.	70% s.p.
N			and the second		140704407			~~~~	Bills		
	631.	10%	3%=	5%2	31%.	33%.	20%	16%.	10%*	2%	21 36
	Veg.	S.p., P.A.	G.R., F.A.	sep.	50% s.p. 50% s.a.	50% s.g. 50% s.a.	E.O.	904 m.p. G.R.	50% S.p.	90% S.J.	70% S.p. 30% S.A.
p.						AAI Briddele		Contract Public Contract			
	231.	5%a	2%.		32%		35%0	15%	15%0	1	15%4.
	Ven.	505 8.8.	Sep. P.A. G.R.	. SOV 8.D.	203 g.p.	8.0	4.4.	505 e.a.	5.8., 5.2.	6.4.	G.A.
c							1				
	541.	15%*	29 42	12 40	26%.	35% .	28%	27%**		27%**	22%
	Veg.	50% s.p.	104 s.a.	704 s.p.	10% S.R.	50% S.p. 50% S.A.	1338 8.p., 538 8.3. 338 91	704 S.A. 305 A.E.	5.p., 8.d., Pl.		
Þ											
	Sal.	25%	12%	13%*	19% .	33%	22%*	25 %			
	Ver.	(upper ddge)	50% 8.4.	J04 s.a. 305 6.E.		8.0.		5.4.			
T											
	6al.	30%	12%.	30%.		32%		20 260	30%		
	Vez.	(lowest)	6.6.	TOD OF TODE			1				
5											
	pal.	30%	16%.	32%					26 % a		
	Vec.		9.A. (lowest)	5.4							
G											
	Sal.		28%	35%.					.		
	Veg.		N.F.	5.8.							
н											
	541.		9%.					_			

The salinity values have the same inverse relationship observed in the other two study areas. Salinities in Wallace were generally higher than those in Chezzetcook and Chebogue but the values were obtained later in the summer than those in the other two areas (Table 3). High-marsh salinities ranged from 6-20%, middle marsh from 15-25%, and low marsh from 28-35% (Table 3). Values were generally higher at stations on the south side of the basin where the marsh was exposed to more open circulation from the basin.

In addition to the salt marsh areas, two stations were established in the upper reaches of Wallace Basin where there is no longer tidal influence (sta. 4, 5, Fig. 17). The vegetation in this area was monospecific with *Spartina cynosuroides* and low salinities (0-5%). The non-tidal condition appears to have been created artificially by a causeway placed seaward of stations 4 and 5. However, some seawater might enter this area once or twice a year, which accounts for the mildly brackish condition.

TEXT TABLE 3

The vegetation, salinity, and dates of collection for Wallace Basin marsh stations. Plant abbreviations are the same as those in Text Table 1.

STATICS NUMB	£5.	1		2		•	4	5		6		ý.		9
DATE		7/16/76	7/10/36	8/22/7	0/16/70	8/22/76	7/17/76	7/17/76	7/13/76	8/22/76	7/17/76	n/22/19	7/17/76	8/22/7
Substations	Veş.	eop.	5-0 5-0		5014.C.		8.ç.	6-4-	5.C. J.g.		0.0. 1.45	1	и.е.	
A	Sø1.	18V.,	10%,	30%	267.	20%.	5%.,	2%.	6%		15%.	20%,	237, ,	28%.
	Vea.	s.y.	.J.q. P.λ.		s.p.		9.0	۰.۰.	3.5. P.A.		6.2:		5.0.	
5	Sal.	22%	15%	20%.	25%	33%	2%.	0%.	21.945	22%	18%.	20%	24%	28%
	¥69.	709 0.5. 305 8.P.	я.р. G.R.		50%s.p.				s.p.		6.p.		N. 5-	
0	Xa3.	25%,	15%.	23%	27.4.	35%.			23%	11%.	227.	27%	23%	28%.
	Veq.	¥.,4,	70%s.p. 30%5.d		*.*.				SCAR.p.		50%s.j. 50%s.a.		104P, 8, 5018.p	
b	581.	23%.0	27%,,	$28 M_{\rm ep}$		30%,			24%,2	11%,,	20°%,		20%,	27%,
	Veg.		0.4.		н.г.				A.4.		0. 8.		J.q.	
2	Sal.		28%,	₽Н%		28 % 5			21 %	32%,,	164.9		29%	20%
-	Veg.		8.F.						М. F.		H.F.		5048.C. 5048.g.	
F	541.		22%.						22%.	28%	B%	177.	12.	15%,

Foraminiferal Distribution

Seventy-three surface samples were collected from 37 localities in the Wallace marshes (Fig. 17). A total of 19 species, 15 of which had living representatives, were observed (Appendix Tables 11, 12). One semidetailed transect was performed (similar to Chebogue) at station 6 and data from station 8 were combined with data from station 6 to plot Figure 18. The data indicate the presence of two major foraminiferal faunal zones, similar to Chebogue and Chezzetcook. The HHW datum is again marked by sharp decrease in foraminiferal numbers and just below HHW a monospecific fauna of Trochammina macrescens (faunal subzone I_A) occurs. Faunal subzone I_B contains large numbers of T. macrescens, Tiphotrocha comprimata, and Trochammina inflata. Faunal subzone II_A is marked by a decrease in T. macrescens together with an increase in T. inflata. Faunal subzone II_B is marked by decreases in Trochammina inflata and Tiphotrocha comprimata together with increases in Miliammina fusca and Ammotium salsum.

As in other areas there are lateral differences which appear to be the result of salinity changes. *Haplophragmoides bonplandi* occurs in some of the more brackish areas to create a faunal sub-subzone I_{B_1} . There are no foraminifera in the non-tidal areas (sta. 4, 5).

A completely anomalous area, unique to this marsh, was found at station 7, which was at the head of a narrow channel. At this location the area corresponding to faunal subzone I_B contained large percentages of *H. bonplandi*, *Trochammina macrescens*, *T. inflata*, and *Tiphotrocha comprimata*. Below this fauna an assemblage occurred that was characterized by *Thur*-



Surface sample locations in wanace basin marsh.

ammina(?) *limnetis* (new species) together with the species from the faunal subzone above. A. salsum did not occur in the lower areas.

SUMMERVILLE MARSH

Introduction

This small marsh is located behind and on the landward side of a large sand barrier at the head of Port Mouton (Fig. 19). It is probably of recent formation although no drilling was done to test peat thicknesses. Any freshwater entering the marsh is probably from precipitation; nonsaline ground water, if present, is only a minor contributor. Sediments tend to be sandy and probably do not retain moisture as well as other types of marsh sediments.

Vegetation

The vegetation can be divided into two zones, a high-marsh floral zone composed of *Spartina patens*-*Juncus gerardi*-*Potentilla anserina*-*Limonium* sp. and a low-marsh floral zone composed of *Spartina alterniflora* (Table 4). In the higher elevations of the marsh the vegetation grades into dune grass.

Physical Parameters

Tidal range at Port Mouton is similar to that in Chezzetcook with HHW occurring at 101 cm a.m.s.l. and a total tidal range of 208 cm. Salinities were the highest of any area studied, especially considering the time of year during which they were obtained (mid-June). Salinities in the upper marsh ranged from 21-31% and in the lower marsh they ranged from 20-30% (Table 4). There was no indication of an inverse salinity gradient with increasing elevation; in fact salinity appeared to increase with elevation in some instances.

Foraminiferal Distribution

Thirty-four samples were obtained at 17 localities (Fig. 19). From these samples 39 species, 9 of which had living representatives, were observed (Appendix Table 13). Of the 39 total species, 33 were open ocean forms, occurring in locations 1d–1f which were exposed to considerable open ocean influence. The remaining 6 species were indigenous marsh species.

Essentially two faunal zones were observed, not including the open ocean forms occurring in station 1. Faunal zone 1 contained varying percentages of *Trochammina inflata*, *Trochammina macrescens*, and *Tiphotrocha comprimata* with small percentages of *Miliammina fusca*. Faunal zone II was dominated with *M. fusca*.

NEWPORT LANDING MARSH

Introduction

The area sampled was part of a large marsh system that borders the eastern side of the Avon River estuary



Plant and foraminiferal distributions at Stations 6, 8, Wallace Basin. Format is similar to Fig. 9 but less detailed.

which empties into the south side of the Minas Basin, Bay of Fundy (Fig. 1). There is a small freshwater stream that bisects the marsh in the area sampled so that salinities in this area may be slightly lower than those of adjacent marshes.

Vegetation

The vegetation is similar to that observed in other areas with *Solidago* sp., *Juncus* sp. and other grasses

characterizing the high marsh (Fig. 20). The Cyperaceae are not observed, however. Rather typical is the narrow, both horizontally and vertically, middle marsh characterized by *Spartina patens*, with a low-marsh subzone A (*S. patens* and *S. alterniflora*) and a wide, both vertically and horizontally, low-marsh subzone B with *S. alterniflora* (Fig. 20). The low marsh ends at approximately ± 4.00 m a.m.s.l. so that the entire vertical range of the marsh covers slightly less than the upper quarter of the tidal range. The low-marsh ŝ,

'n



zone accounted for approximately $\frac{1}{3}$ of this range while the high-marsh zone accounted for $\frac{1}{3}$ or approximately 1 m of elevation range. Hence the absolute vertical range of the high marsh is at least double that observed in the other study areas but this increase is not proportional to the increase in tidal range which is 3–7 times greater here than in any other area examined.

Physical Parameters

Unfortunately no salinity measurements were made at the time of sampling, however, salinities here probably reflect those of the Avon estuary which are usually well over 20%. It is not known if the salinity decreases with elevation as it does in the three major study areas already discussed.

The surface sediments are not the typical peat-like materials seen in the other areas. The low-marsh sediments are typically fine sand and silt with little organic material while the upper marsh has less sand and more organic material. Sedimentation rates here are probably high, reflecting the high sedimentation rates observed in the Avon estuary as a whole. This corresponds with the suggestion by Harrison and Bloom (1977) that higher sedimentation rates occur in marshes with large tidal ranges.

The distinctive characteristic of this marsh is its high tidal range (14.94 m) with HHW occurring at +7.72 m. This is roughly three times the tidal range at Chebogue which already has an expanded tidal range. The transect done here was tied into a benchmark since it was assumed correctly that the lower end of the marsh would no longer correspond with MSL.

TEXT TABLE 4

The vegetation, salinity, and dates of collection for the Summerville marsh stations. Plant abbreviations are the same as those in Text Table 1.

STATION NURBER		1	2	3
DATE		6 /21/76	6/21/76	6/31/76
Sal. at each subs	tation			
	Vey,	s.p., Li.	5.p., J.g.	J.q.
λ	5a1.			29.5%
	Veg.	a.p., 5a.	s.p., Li., F.A., J.g.	J.g., e.g., 14.
в	2a1.		26 % et	21.0% ₁₀
	Veg.	8-a.	s.p., Cl., P.A., J.q., S.a.	J.g., e.p., Li.
c	501.	31-337	28%	29*/
	Veg.	9.4.	5.4.	s.p., J.g., P.A., Sep.
0	Sal.		26 % ,e	71-24 % «
	veg.	н.ж.	8.5.	5.4.
E	Sal.		25%	20%
	Veg.	×		8.2.
*	301.			24*/

Foraminiferal Distributions

Thirty-six surface samples were collected in one detailed transect. Twelve species, 9 of which had living representatives, were observed in the samples (Appendix Table 14). Both total and living numbers were approximately an order of magnitude lower than in the other 4 marshes. This might be due in part to the higher sedimentation rates which might dilute the total population. In addition the samples were collected in late November, 1975, when living populations were no longer at their peak.

Despite its peculiarities this marsh can still be divided into two faunal zones, I and II, based on foraminifers (Fig. 20). Zone I (no subzones) is characterized by *Trochammina inflata*, *Haplophragmoides bonplandi*, and *Tiphotrocha comprimata* with small percentages of *Jadammina polystoma* and *Eggerella advena* (+6.5–7.5 m a.m.s.l.). Zone II can be divided into subzone II_A characterized by *T. inflata*, *Cribrononion umbilicatulum* and *Protelphidium orbiculare* (+6.3–6.5 m a.m.s.l.) and subzone II_B characterized by *P. orbiculare*. The higher high water mark is again marked by the absence of a significant foraminiferal population (between +7.5 and 7.8 m a.m.s.l.). *Trochammina macrescens*, a common constituent of faunal zone I in the other areas, is rare in this marsh.

DISCUSSION AND COMPARISON OF NOVA SCOTIAN MARSHES

Distribution of Plants

A generalized observation on most marshes of the east coast of North America is that there usually are three distinct vertical floral zones delineated by vegetation types. In Nova Scotia this is best illustrated on the Atlantic coast at Chezzetcook Inlet and to a lesser extent in Chebogue and Wallace marshes (Fig. 21).



Foraminiferal and plant distributions along the Newport Landing transect. Format similar to Fig. 9 except that there is no horizontal component in this diagram and the species percentages are plotted directly against elevation above mean sea level.

In Chezzetcook, the plants remain the same in each zone in all parts of the estuary, although salinity changes noticeably from the upper to the lower parts of it. Only one zone appears to be a response to lower salinity and that is the *Solidago sempervirens* area which occurs in the middle marsh of the upper estuary. It appears that the development of zones is caused principally by elevation changes (i.e., time of exposure between tidal cycles). The development of the highmarsh zone, however, could be the result of increased freshwater influence in higher parts of the tidal range. Many of the characteristic high-marsh plants also inhabit freshwater and terrestrial environments. All of these plants are restricted from higher elevations more by competition than by actual inability to live there (Waisel, 1972). 3

۰,

ŧ

١

Since the zones are biological entities, some of the boundaries are variable. This is particularly true at the base of the low marsh where the bottom of the *Spartina alterniflora* can occur from MSL to 30–49 cm below MSL. It is not uncommon to observe individuals typical of one zone growing in the next higher one. The middle-marsh zone, although often covering extensive surfaces, is extremely reduced in vertical ex-



Summary and comparison of vegetation and foraminiferal data from the three major study areas in Nova Scotia.

tent. In Chebogue and Wallace the middle-marsh zone is also reduced in areal extent to the point where in Chebogue there is only one small area containing a pure stand of *Spartina patens*. The apparent sea level changes (Scott, 1977) indicate that each area is experiencing a different rate of apparent sea level rise. Additionally, Chapman (1976) demonstrated that accumulation rates in the marsh vary vertically. A combination of sea level rise, accumulation rates and tidal ranges (as discussed by Harrison and Bloom, 1977) might determine how vegetation zonations form within the marsh.

In the Bay of Fundy marshes the relationship between the lower edge of the marsh and MSL disappears due to the greatly expanded tidal range. These data indicate that not only time of exposure but also the depth of submergence at flood tide may be an important factor. The total vertical range of the Newport Landing marsh is approximately 3.5 m suggesting that *S. alterniflora* cannot survive at water depths greater than this. This would also suggest that if the total tidal range is more than 7 m the marsh will no longer extend down to MSL.

Distribution of Foraminifera

The foraminiferal faunae contained in the marshes examined were remarkably similar, especially considering the differences in salinities, tidal range, and cli-

mate in Nova Scotia (Fig. 21). The fauna occurring at and just below HHW is particularly important. In all marsh areas (except Summerville where there was no sampling at this level) for a numbers decrease dramatically at HHW. Just below HHW a fauna dominated by Trochammina macrescens occurs in all three of the larger areas. Differences in faunal zone I_{ik} occurrences in the three areas were not substantial and could be traced to salinity differences with some species indicating a more brackish area (Haplophragmoides bonplandi) where others indicated a more saline area (*Trochammina inflata*). Faunal subzone II_{Λ} is also surprisingly similar in the three major areas with a Miliammina fusca-Trochammina inflata fauna being recurrent, sometimes containing Tiphotrocha comprimata but not Trochammina macrescens. Faunal subzone II_B appears always to have the *M*. fusca element; however, the most pronounced regional differences occur in this subzone. In Chebogue the dominant species in subzone II_B in addition to *M. fusca*, is Cribrononion umbilicatulum, a calcareous species. In Wallace there are virtually no calcareous species with the dominant species being Ammotium salsum and M. fusca. In Chezzetcook there is a mixed subzone II_B assemblage with arenaceous elements in the upper estuary and calcareous elements (in addition to M. fusca) in the lower estuary. In Chezzetcook the subzone II_B species distribution is the same as that observed in the estuarine sediments (Scott, 1977). This suggests that most subzone II_B species are actually estuarine forms whose upper range is in the salt marsh. Using this information it should be possible to predict, without having actually to sample the estuarine environment, the type of estuarine fauna in an area from adjoining low-marsh sediments. The only exception to this is *M. fusca* which occurs within Maritime Canada in almost all subzone II_B areas regardless of salinity or region. Thus *M. fusca* would be a marsh species with its lower range in the more brackish parts of the estuary.

The faunae observed in the Newport Landing marsh deserve a separate discussion. Faunal zone I is in many ways similar to those of other areas with Trochammina inflata, Tiphotrocha comprimata and Haplophragmoides bonplandi and low numbers of Jadammina polystoma. However, it differs markedly in not containing any Trochammina macrescens. Also this is the only marsh in the world where Eggerella advena has been reported as a significant component of an upper marsh fauna. The zone II fauna, composed almost entirely of Protelphidium orbiculare, is the only Nova Scotian marsh with few or no M. fusca. It cannot be generalized, from this one small area, that the foraminiferal faunae in all the Fundy marshes are similar to this one. This is particularly true in those parts of the Bay of Fundy where sedimentation rates are lower and consequently the organic content of the sediment is higher. B. Deonarine (personal commun., 1978) studied a marsh area in a small inlet along the Bay of Fundy (Clementsport) where tidal ranges were high and sedimentation rates comparatively low. The foraminiferal associations in such an area were more similar to those observed in other marshes in Nova Scotia than to those in the Newport Landing.

It is not surprising that most regional differences occur in subzone II_B since most of these species are estuarine forms. An estuary, although not a particularly stable environment, is largely subtidal and is much more environmentally stable than the marsh. especially with respect to temperature variances. With increased stability the species diversity increases along with the opportunity for faunal differentiation (Gould, 1976). In the marshes of Nova Scotia there are only 9 indigenous marsh species of which only 5 occur commonly. Usually there are only 2-3 species per subzone. Indications are that, although more variety may occur locally, these 9 species dominate in all marshes (Murray, 1971a). With such small variety occurring on a worldwide scale there is little opportunity for sharp regional variations in faunal assemblages, particularly in the upper faunal zones. This observation had already been made, at least in part, by Scott (1976b) in explaining why zoogeographical zones were not applicable to salt marsh faunae on the west coast of North America.

In all Nova Scotian marshes the total foraminiferal numbers appear to decrease just at the base of the marsh. Living foraminiferal populations do not decrease noticeably in the lower part of the marsh. Therefore, the total numbers must be decreased by means of some physical process. As discussed previously, it has been demonstrated by Chapman (1976) that marsh accumulation rates are highest in the low marsh. Additionally, the rates of accumulation are probably highest at the base of the marsh where the sediment laden tidal water first comes in contact with the baffling effect of the salt marsh plants. The rapid accumulation at the base of the marsh causes dilution of the total faunal numbers in this area.

ł

Summerville marsh was included in this study because of its distinctive faunal zone I fauna containing *Trochammina inflata* and *Trochammina macrescens*. In this, and in other areas where this fauna occurs, the marsh appears to be newly formed and to have higher than average salinities. Although this situation is not widespread in Nova Scotia today, it is conceivable that in the past, as sea level rise created the conditions for the formation of new marshes, this type of zone I fauna might have been more common.

The Tidal Role

As tidal ranges increase the zonal ranges do not appear to increase proportionally. The total marsh range appears to remain the same (MSL to HHW). Comparisons of zonal ranges at Chebogue and Chezzet-cook demonstrate that most of the increases are absorbed by low marsh floral subzone B. The upper floral zones appear to retain virtually the same absolute vertical range, regardless of tidal range. In the Fundy marshes the absolute range expands but not proportionally to the increase of the tidal range. We can conclude that the high-marsh floral zones in all but extreme cases retain their absolute accuracy as sea level indicators even with increased tidal ranges and this appears to be true also for the corresponding faunal zones.

COMPARISON OF NOVA SCOTIAN AND SOUTHERN CALIFORNIAN MARSHES

Nova Scotian and southern Californian data can be compared directly because, in both areas, detailed transect sampling was carried out (Fig. 22). The Cal-



FIGURE 22 Comparison of southern Californian marsh data (from Scott, 1976a) and Nova Scotian marshes (data from Chezzetcook Inlet).

ifornian data are from Tijuana and Mission Bay (Scott, 1976a), and the Nova Scotian data are from Chezzet-cook.

The largest difference between the two widely separated localities occurs in the vegetation types. One species from California (*Salicornia virginica*) occurs only in isolated populations in Nova Scotia and is of questionable taxonomic equivalence. In California only two distinct floral zones can be recognized with the lower zone divided into two subzones, while in some marshes in Nova Scotia, although the middle one is often narrow in extent, there are three recognizable floral zones.

The foraminiferal associations have more similarities. Only one arenaceous marsh species from California (*Protoschista findens*) is not present in Nova Scotia and it is probably a lagoonal species rather than a true marsh form. Several of the arenaceous marsh species present in Nova Scotia are not present in California (Haplophragmoides bonplandi, Tiphotrocha comprimata, Thurammina(?) limnetis, Trochammina macrescens, Polysaccamina ipohalina). These species are all faunal zone I species and appear to be replaced in California by Trochammina inflata and Jadammina polystoma together with significant numbers of calcareous species such as Quinqueloculina seminulum and Discorinopsis aguavoi. The faunal zone II differences are more complete. However, this would be expected since few of the warm-water lagoonal species in California inhabit Nova Scotia. The distribution of Miliammina fusca in California is similar to that in Nova Scotia. This form appears to be more restricted in California, however, possibly by competition from southern low marsh-lagoonal forms.

In both California and Nova Scotia the total foraminiferal numbers decrease dramatically at HHW datum in addition to showing a less pronounced decrease at the lower edge of the marsh.

COMPARISON OF NOVA SCOTIAN MARSH FORAMINIFERA WITH FORAMINIFERA FROM OTHER SELECTED MARSH AREAS

Barnstable Marsh, Massachusetts

Phleger and Walton (1950) reported on marsh faunae of Barnstable Harbor as part of a larger study involving the entire bay. They reported faunae containing *Trochammina inflata* and *Trochammina macrescens* in high numbers from the marsh areas but no attempt was made to differentiate the assemblages into faunal zones. They also reported *Miliammina fusca* at some locations.

James River Estuary, Virginia

Ellison and Nichols (1976) report on the marsh foraminifera from the adjoining marshes of the James River estuary. They detected upper, middle, and lower estuarine marsh assemblages, similar to Chezzetcook. They also detected some vertical zonation within the marsh. Salinities in the James estuary, especially in the upper and middle estuarine areas, are much lower than those observed in any of the study areas in Nova Scotia. Tidal ranges also appear to be relatively low compared with those in Nova Scotia.

In the upper James River estuarine area an assemblage dominated by *Ammoastuta salsa* occurs in the marshes; in the middle estuary the assemblage is codominated by *A. salsa* and *Miliammina fusca*, and in the lower estuary by *M. fusca*.

Vertical zonation was demonstrated only in the upper estuarine marsh. Foraminifera appear to decrease sharply at HHW. Ammoastuta salsa dominates the higher marsh together with lesser percentages of Arenoparella mexicana, Tiphotrocha comprimata, and Trochammina macrescens; Miliammina fusca dominates the lower marsh with Ammobaculites crassus beginning to appear on the mudflats.

This, except for the appearance of *A. salsa*, is not altogether different from what is observed in Nova Scotia, especially considering the different salinities, plant types, sediment types, and tidal ranges.

South Texas Marshes

Phleger (1965a, 1966) examined a series of marshes in Matagorda Bay and Galveston Bay in south Texas. In Matagorda Bay two distinct floral zones are recognized with a transition zone occurring between them, much as in Nova Scotia and California. Trochammina inflata, Arenoparella mexicana, Ammonia beccarii, and Pseudoeponides (=Helenina) andersoni dominate in the upper Salicornia floral zone with Miliammina fusca, Ammotium salsum, Cribrononion spp., Miliolids, and A. beccarii dominating in the lower Spartina floral zone. Significantly, M. fusca and T. inflata together with A. beccarii dominate in the middle Spartina-Salicornia transition floral zone, as in Nova Scotia. In Galveston Bay the zonation is less distinct, however T. inflata appears to dominate the higher areas.

Although no salinity values are reported from this marsh, the range is probably somewhere between that of Nova Scotia and southern California. The Texas marshes have some brackish marsh species but they are in small numbers. Additionally, the warmer temperatures in Texas allow populations of some calcareous species such as *A. beccarii* and *H. andersoni* to develop.

Southern Holland, Europe

Phleger (1970) examined several marshes in Europe including some in Holland. The low-marsh floral zones are characterized by a flora containing a *Salicornia– Spartina* assemblage and the high-marsh floral zone is denoted by a *Puccinella–Halimione–Suaeda* assemblage. The marsh foraminifera were delineated into two vertical zonations: *Jadammina polystoma* and *Trochammina inflata* characterizing the upper marsh and an array of calcareous species denoting the lower marsh. The upper marsh fauna is similar to that observed in California.

Kiel, Germany

Lutze (1968) examined marsh areas associated with the large, brackish Bottsand Lagoon. Although his sample coverage was limited in the marsh areas, he did indicate a vertical foraminiferal zonation similar to that in Nova Scotia. Salinities recorded were low (4– 14‰).

In the highest part of the marsh Lutze (1968) reported Tiphotrocha comprimata and Haplophragmoides bonplandi as being dominant with Trochammina macrescens-Jadammina polystoma occurring slightly lower together with Trochammina inflata and Ammotium salsum. Lowest marsh was dominated by Miliammina fusca and Cribrononion articulatum (=C. umbilicatulum in this paper). These species are identical to those in Nova Scotia, particularly the presence of *H. bonplandi* in the brackish marsh.

Western Greece

Scott and others (1979) recently completed a study of some salt marsh foraminifera from the Acheloos and Evinos River deltas in Western Greece. This investigation, though not quite as detailed as the Nova Scotia or southern California studies, is sufficiently quantitative to make direct comparisons between Greece and these areas possible. The climate makes this area most comparable to southern California and salinities observed in both summer and winter seasons are similar to those of southern California. The vegetation in Greece is mostly Salicornia sp. with no Spartina spp.; there is no obvious plant zonation but an obvious foraminiferal zonation is present. Jadammina polystoma and Trochammina inflata together with Discorinopsis aguayoi dominate the high marsh while Ammonia beccarii, Protelphidium depressulum, and Cribrononion translucens dominate low marsh areas. Except for a couple of species these marsh faunae are exactly the same as those in California. The peculiarity that emerges from this comparison is that despite the microtidal environment in Greece (45-75 cm), the marsh foraminiferal relationships remain the same as those in other areas, although greatly compressed.

DISCUSSION

The large amount of data presented in this paper may appear to be excessive simply to substantiate apparently obvious vertical zonations that occur in the range of a salt marsh. This amount of supportive data, however, was necessary to conclusively validate the reliability of the unusual relationships observed between marsh foraminifera and absolute elevation. These relationships are not common among foraminifera; for example: estuarine foraminiferal distributions are generally controlled by salinity gradients and since many estuarine forms also inhabit salt marshes, the same might be expected of marsh foraminifera. However, the data presented demonstrate that the distributions of the marsh foraminifera are controlled at least as much by elevation above mean sea level as by salinity. Hence the controlling parameters for marsh foraminiferal distributions appear to be different from those controlling foraminiferal distributions in adjoining estuaries and lagoons. The marsh is the most marginal of the marginal marine environments, being subject to large, sudden variations in temperature and salinity, regardless of latitude (Scott, 1976b). Clearly, most distinctive variable in a marsh is the tidal cycle and the long times of exposure that accompany it. Relatively few marine organisms can withstand sustained exposure to the atmosphere which results in the extremely low diversity observed in marsh foraminiferal populations. As demonstrated by the marsh plant population (Waisel, 1972) these marsh organisms are not competitive under normal conditions and can colonize only areas where competition is minimal. However, salinity remains an important parameter in determining distributions of marsh foraminifera. In brackish areas, such as those in Nova Scotia, Trochammina macrescens and Tiphotrocha comprimata dominate the faunal zone I. In areas that are borderline brackish (for example, Summerville marsh), a mixed fauna of Trochammina macrescens and T. inflata occurs. In marshes with normal or higher salinities such as those in Holland and California, T. inflata and Jadammina polystoma dominate the faunal zone I. Faunal zone II distributions are much more complex, being controlled more by locally dominant estuarinelagoon forms than by marsh forms. However, Miliammina fusca is a common constituent of most faunal zone II assemblages. It is worth noting here that the faunal zone I forms such as T. inflata, J. polystoma, Tiphotrocha comprimata, and Trochammina macrescens normally occur in large populations only in the upper guarter of the tidal range or not at all, regardless of salinity. This is important to paleo-oceanographic work since the presence of these species will reliably indicate the upper half of the marsh.

any species sensitive to large variations of these pa-

rameters could not survive under such conditions. The

The detailed data obtained in both California and Nova Scotia suggest a strong correlation between elevation above mean sea level and marsh foraminiferal zones. The marsh foraminifera characterizing these zones are easily detected and well preserved in subsurface marsh sediment. It appears clear that in salt marsh sequences foraminiferal zones can be accurately equated with distinct vertical horizons bearing a fixed relationship with the tidal cycle. Thus, non-modern subsurface marsh deposits can be correlated with former sea levels much more accurately than had been thought possible (Scott and Medioli, 1978). As the data from the Chezzetcook transects demonstrate, certain faunal zones within the marsh yield higher accuracy than others (the larger the vertical range, the lower the accuracy). The least accurate is faunal zone II, particularly subzone II_B, because it has the largest vertical range of all the faunal divisions. Faunal zone I_A has the lowest vertical range and the top of this zone is distinguished by a sharp decrease in foraminiferal numbers which accurately locates the HHW datum.

There are a number of reasons why, in addition to high accuracy, the HHW datum is a particularly useful one to locate: 1) HHW represents a strandline deposit denoting the first marine incursion into an area, thus it represents the base of most marine transgressive sequences; 2) the basal sequence is usually overlying a non-compactible substrate such as glacial till, bedrock, paleosoil, etc., and is only marginally susceptible to autocompaction of salt marsh peat (Kaye and Barghoorn, 1964); 3) HHW is distinctive because of its low foraminiferal numbers; and 4) because HHW is a strandline deposit, it usually contains many small wood fragments that provide excellent carbon-14 dating material. This last point cannot be overlooked when attempting to determine temporal as well as spatial position of a dynamic sea level. Clearly, however, the HHW datum must be located in a continuous sequence of marsh deposit (such as in cores or drill holes) to give significance to the negative, and in itself meaningless, evidence of no foraminifera as a datum indicator. As foraminiferal zone I_A usually covers the smallest vertical interval (seldom exceeding 5 cm) at the top of the high marsh, this subzone is the most accurate indicator of sea level. HHW can be considered as the top of this subzone, where foraminifera diminish markedly. Theoretically, in a borehole, once zone I_A has been located and the point of disappearance of foraminifera has been identified, the error in sea level determination should be so small as to be negligible. More realistically we estimate the error in sea level determination does not exceed 5 cm. Although this accuracy can only be proven in areas such as California and Nova Scotia where accurate measurements have been performed, less detailed data from other areas strongly suggest that the same accuracy could be obtained with further detailed studies.

Most of the low-marsh foraminiferal species also occur in the adjacent mudflat and shallow subtidal sediments. In Chezzetcook this makes it virtually impossible to distinguish faunal zone H_B from the mudflat and shallow subtidal areas by means of foraminifera only. The total numbers are usually higher in marsh sediments, but this is not always a dependable indicator. In sediments where low marsh is grading into mudflat, sedimentological information (i.e., high organic content of marsh sediments) as well as foraminifera must be considered.

It appears that foraminiferal numbers dramatically decrease at the HHW datum in most marshes. The

sharp decrease in numbers at HHW may appear trivial at first; however, as suggested by Scott and Medioli (1978), the phenomenon is not self-evident on closer examination of the area above HHW. Conditions in surface sediments above HHW could be considered favorable for support of large foraminiferal populations, especially in humid areas such as Nova Scotia. In Nova Scotian marshes moisture above HHW is supplied both by freshwater runoff and seawater raised by capillary action, creating a mildly brackish environment. Therefore, the absence of foraminifera above HHW is significant and indicates that marsh foraminifera require some tidal activity for survival. It is highly unlikely that marsh foraminifera would be found in supratidal bogs or other freshwater deposits resembling marsh sediments.

The accurate determination of sea level using marsh foraminifera has many potential applications. For example accurately knowing the sea level changes in marsh sequences can aid in the development of models for changes in coastal water bodies. Additionally, it appears that certain marsh levels could be used as accurate datums in coastal zone planning which was the original impetus for examining marsh foraminifera by the senior author and John Bradshaw in San Diego. However, the most obvious application is to the problem of Holocene sea level changes. The authors have successfully used marsh foraminiferal assemblages to determine small-scale variations of apparent sea level that have taken place during the last 2,000-3,000 years in Atlantic Canada. The observed changes are in the order of 1 to 5 meters and could not have been detected without the use of marsh foraminiferal assemblages to locate accurately the sea level datum. These extremely accurate measurements can then be used to calibrate recently derived geophysical models of relative sea level changes (Farrell and Clark, 1976) and crustal movements (Peltier and Andrews, 1976) following deglaciation.

CONCLUSIONS

- 1. Despite the many variables present in the salt marsh environment the plant and foraminiferal assemblages seem to follow well-defined distribution patterns. These patterns appear to become less defined only in extreme tidal situations such as the Bay of Fundy.
- 2. Plant composition of the floral zones appears to be little affected by salinity changes from the head to the mouth of the estuary. However, some marsh foraminiferal species appear to be highly sensitive to both elevation and salinity.

- 3. Seasonal variations in living populations of marsh foraminifera (Scott, 1977, 1978) although substantial, usually do not significantly alter the total percentage occurrences of species composing the dominant elements in marsh assemblages.
- 4. Extremely detailed sampling in Chezzetcook allowed placing less detailed salt marsh data from Wallace, Chebogue, Summerville, and Newport Landing into a framework for determining accurate former sea levels.
- 5. Data from all areas in Nova Scotia indicate that marsh foraminiferal zones can be used to accurately locate former sea levels in subsurface sediments.
- 6. The higher high water mark appears to be the most accurate datum level that can be located using marsh foraminifera and is favorable for a number of other reasons. The dramatic decrease in foraminiferal numbers at this level is useful for differentiating marine from nonmarine peat deposits.
- 7. Examination of detailed studies in California and less detailed ones from many parts of the world suggests that marsh foraminifera could be generally used as accurate sea level indicators on a worldwide basis.

SYSTEMATIC TAXONOMY

Approximately 40 foraminiferal species have been identified in this study but only those with significant occurrences are discussed. Representative specimens of all illustrated species have been deposited in the Smithsonian Institution collections together with the holotype and two paratypes of the newly described species.

Specimens of species that were not familiar to the authors were sent either to the Smithsonian Institution in Washington, D.C., or to Ruth Todd in Massachusetts for verification. The original reference and some of the subsequent ones under different names are listed for each species. Included are local references and those that are discussed in the text. Generic names are in accordance with Loeblich and Tappan (1964) with two exceptions discussed under the appropriate species.

> Ammobaculites dilatatus Cushman and Brönnimann Plate 1, Figures 9, 10

Aminobaculites dilatatus CUSHMAN AND BRÖNNIMANN, 1948a, p. 39, pl. 7, figs. 10, 11; COLE AND FERGUSON, 1975, p. 32, pl. 2, figs. 8, 9; SCOTT AND OTHERS, 1977, p. 1578, pl. 2, fig. 6; SCOTT, 1977, p. 164, pl. 2, figs. 9, 10; SCHAFER AND COLE, 1978, p. 27, pl. 3, fig. 9.

Ammobaculites foliaceus (H. B. Brady) Plate 1, Figures 6–8

Haplophragmium foliaceum H. B. BRADY, 1884, p. 304, pl. 33, figs. 20-25.

- Ammobaculites c.f. foliaceus (H. B. Brady). PARKER, 1952b, p. 444, pl. 1, figs. 20, 21.
- Ammobaculites foliaceus (Brady). SCOTT AND OTHERS, 1977, p. 1578, pl. 2, fig. 3; SCOTT, 1977, p. 164, pl. 2, figs. 6-8.

Ammonia beccarii (Linné) Plate 5, Figures 8, 9

Nautilus beccarii LINNÉ, 1758, p. 710.

- Ammonia beccarii (Linné). BRUNNICH, 1772. p. 232; FRIZZELL AND KEEN, 1949, p. 106; GREGORY, 1970, p. 222, pl. 12, figs. 4–6; SCHNIKTER, 1974, p. 216–223, pl. 1; COLE AND FERGUSON, 1975, p. 32, pl. 9, figs. 1, 2; SCOTT, 1977, pl. 6, figs. 10, 11; SCHAFER AND COLE, 1978, p. 27, pl. 8, fig. 6.
- Streblus beccarii (Linné). FISCHER DE WALDHIEM, 1817, p. 449, pl. 13; BRADSHAW, 1957, p. 1138, text fig. 1a-c; Phleger and Ewing, 1962; p. 179, pl. 5, figs. 22, 23.
- "Rotalia" beccarii (Linné) var. tepida Cushman, 1926, p. 79, pl. 1; Parker, 1952b, p. 457, pl. 5, figs. 7, 8.

Remarks: Schnikter (1974) demonstrated with culturing techniques that most of the described varieties of *A. beccarii* are ecotypic variations of the same form hence no attempt was made here to distinguish them.

Ammotium salsum (Cushman and Brönnimann) Plate 1, Figures 11–13

- Ammobaculites salsus Cushman and Brönnimann, 1948b, p. 16, pl. 3, figs. 7–9.
- Ammoscalaria fluvialis PARKER, 1952b, p. 444, pl. 1, figs. 24, 25.
- Ammotium salsum (Cushman and Brönnimann). PARKER AND ATHEARN, 1959, p. 340, pl. 50, figs. 6, 13; SCOTT AND OTHERS, 1977, p. 1578, pl. 2, figs. 4, 5; ZANINETTI AND OTHERS, 1977, p. 177, pl. 2, figs. 4, 5; SCOTT, 1977, p. 165, pl. 2, figs. 11-13.

Arenoparella mexicana (Kornfeld) Plate 4, Figures 8–11

Trochammina inflata (Montague) var. mexicana KORNFELD, 1931, p. 86, pl. 13, fig. 5.

Arenoparella mexicana (Kornfeld). Anderson, 1951, p. 31; Parker and Athearn. 1959, p. 340, pl. 50, figs. 8–10; Zaninetti and others, 1977, p. 177, pl. 2, figs. 3, 7; Scott, 1977, p. 165, pl. 5, figs. 10–13.

Remarks: This is the first reported occurrence of this marsh species in the Maritimes.

Cribrononion excavatum (Terquem) Plate 5, Figures 5, 6

Polystomella excavata TERQUEM, 1876, p. 429.

Polystomella straito-punctata (Fichtel and Moll) var. selsevensis HERON-ALLEN AND EARLAND, 1911, p. 448.

- Elphidium excavatum (Terquem). CUSHMAN, 1930, p. 21, pl. 8, figs. 1-3; Schafer and Cole. 1978, p. 27, pl. 9, fig. 7; Lévy and others, 1975, p. 176, fig. 9, pl. 3, figs. 1, 2, 5, 6.
- Cribrononion excavatum (Terquem). LUTZE, 1965, p. 96-101, p. 15, fig. 39; LÉVY AND OTHERS, 1969, p. 93, pl. 1, figs. 1a, b, 2a, b, 4a, b.
- *Elphidium excavatum* (Terquem) formae. FEYEING-HANSSEN, 1972, p. 337–354, pls. 1–6.
- Cribroelphidium excavatum (Terquem) forma clavatum (Cushman), SCOTT AND OTHERS, 1977, p. 1578, 1579, pl. 5, figs. 1, 2; SCOTT, 1977, p. 169, 170, pl. 6, fig. 2.
- Cribroelphidium excavatum (Terquem) forma selseyensis (Heron-Allen and Earland). SCOTT AND OTHERS, 1977, p. 1579, pl. 5, fig. 3; SCOTT, 1977, p. 170, pl. 6, fig. 3.

Remarks: Although we have differentiated the two formae *clavatum* and *selseyensis* after Feyling-Hanssen (1972) in our plates and in the tables, we recently have reached the conclusion that the separation is completely arbitrary since there appeared to be a continuous series of intermediate forms between the two extremes. Miller (1979) has produced detailed photographic documentation of such an intergradational series.

It is quite clear that there is some confusion regarding the differences between *Elphidium*, *Cribroelphidium*, and *Cribrononion*. We agree with Loeblich and Tappan (1964) on a narrow definition of *Elphidium* which makes the genus unsuitable for this species. We do not accept their criterion of differentiating between *Cribroelphidium* and *Cribrononion*. Loeblich and Tappan (1964) state that the difference between the two genera is that *Cribroelphidium* has areal aperture(s) in addition to the row of pores at the base of the septal face while *Cribrononion* lacks the areal apertures. As we will show later in this section, and has been suggested by Boltovskoy (1958), for *Trochammina macrescens* Brady, this trait may not even be a

PLATE I

- 1-3 Thurammina(?) limnetis n.sp. 1. Specimen with several apertures, holotype, USNM 278127, ×58. 2. Specimen with only one aperture, paratype, USNM 278128, ×46. 3. Attached side of specimen with no agglutinated material, paratype, USNM 278129, ×52. All specimens from station 7c, Wallace Basin.
- 4.5 *Hemisphaerammina bradyi* Loeblich and Tappan. 4. Several specimens attached to each other, ×54. 5. Specimen attached to *Miliammina fusca*. All specimens from station 7d, Chezzetcook Inlet.
- 6-8 Animobaculites foliaceus (H. B. Brady). 6. Side view of

typical specimen, \times 44. 7. Side view of specimen with extended uniserial chambers, \times 41. 8. Aperture view, \times 54. All specimens from station 14a, Chezzetcook Inlet.

- 9, 10 Ammobaculites dilatatus Cushman and Brönnimann. 9. Side view, ×94. 10. Aperture view, ×193. Specimens from station 8a, Wallace Basin.
- 11-13 Ammotium salsum (Cushman and Brönnimann). 11. Side view of specimen with extended uniserial chambers, ×58.
 12. Side view of typical form, ×80. 13. Aperture view, ×76. Specimens from station 6f, Wallace Basin.
- PLATE 2
- 1-3 Miliammina fusca (Brady). 1. Side view (four-chamber side), ×43.
 2. Side view (three-chamber side), ×43.
 3. Aperture view, ×65. Specimens from station 20b, Chezzetcook Inlet.
- 4. 5 Haplophragmoides bonplandi Todd and Brönnimann. 4. Side view, ×70. 5. Aperture view, ×129. Specimens from station 4a. Chezzetcook Inlet.
 - 6 *Reophax nana* Rhumbler, 6. Side view, ×169. Specimen from station 47c, Chezzetcook Inlet.
- 7 Eggerella advena (Cushman). 7. Side view, ×92. Specimen from station 5a, Newport Landing.
- 8-11 Polysaccammina ipohalina Scott. 8, Side view of typical specimen, ×78. 9. Attached side of specimen, illustrating chamber flattening on attached side, ×61. 10. Enlargement of chamber connection, ×143. 11. Enlargement of aperture, ×410. All specimens from station 7b, Chezzetcook Inlet.
- PLATE 3
- 1-8 Trochammina macrescens Brady. 1. Dorsal view, \times 98. 2. Aperture view, \times 68. 3. Ventral view of specimen with straight sutures, a deep umbilicus, and well-defined umbilical teeth, \times 51. 4-8. Series of specimens illustrating progressively more curved sutures and less of an umbilicus, \times 56. All specimens from station 46. Chezzetcook Inlet.
- 9-11 "Jadammina polystoma." 9. Ventral view, ×60. 10. Aperture view, note the large number of supplementary aper-

tures, $\times 51$. 11. Dorsal view, $\times 55$. Note similarity between Fig. 8 and Fig. 9. Only difference is the supplementary apertures. Specimens from station 7c, Chezzetcook Inlet.

 12-14 Trochammina inflata (Montagu)—meglaspheric form. 12. Dorsal view, ×55. 13. Apertural view, ×86. 14. Ventral view, ×109. All specimens from station 1F, Chezzetcook Inlet.







defining one at the specific level. Hence in our opinion *Cribroelphidium* and *Cribrononion* are synonyms and *Cribrononion* must be retained since it has priority.

Recently Lévy and others (1975) and Rosset-Moulinier (1976) reported the presence of retral processes in *C. excavatum* and placed the species back into the genus *Elphidium*. However, we believe that the presence of retral processes only does not necessarily mean that the species belongs to *Elphidium*, especially considering the type species of the genus, which is quite different from *C. excavatum*. Hence we have left this species in *Cribrononion*. It is possible that the Thalmann (1947) definition of *Cribrononion* may need revision, after a study of its type species, to include the possible presence of retral processes.

Cribrononion umbilicatulum (Williamson) Plate 5, Figure 4

- Polystomella umbilicatula WILLIAMSON, 1858, p. 42–44, figs. 81– 82.
- Elphidium excavatum (Terquem). CUSHMAN, 1930, p. 21, pl. 8, figs. 4-7.
- Cribrononion cf. alvarezianum (d'Orbigny). LUTZE, 1965, p. 101, pl. 15, fig. 46.
- Elphidium umbilicatulum (Williamson). LEVY AND OTHERS, 1969, p. 96, pl. 1, figs. 6a, b, pl. 2, figs. 1, 2.
- Cribroelphidium excavatum (Terquem). SCOTT AND OTHERS, 1977, p. 1578, pl. 5, fig. 4; SCOTT, 1977, p. 169, pl. 6, fig. 1.

Remarks: In our opinion this species has commonly been called *Cribroelphidium excavatum* or sometimes *Cribroelphidium margaritaceum* in this area. Examination of the work of Lévy and others (1969) and our own material clearly indicate that our material belongs to the species *Cribrononion umbilicatulum* and should not be placed with the *Cribroelphidium excavatum* group.

Eggerella advena (Cushman) Plate 2, Figure 7

Verneuilina advena CUSHMAN, 1921, p. 141.

Eggerella advena (Cushman). CUSHMAN, 1937, p. 51, pl. 5, figs. 12-15: PHLEGER AND WALTON, 1950, p. 277, pl. 1, figs. 16-18: PARKER, 1952a, p. 404, pl. 3, figs. 12, 13; PARKER, 1952b, p. 447, pl. 2, fig. 3; GREGORY, 1970, p. 183, pl. 4, figs. 1–3; COLE AND FERGUSON, 1975, p. 34, pl. 3, figs. 10, 11; SCOTT AND OTHERS, 1977, p. 1579, pl. 2, fig. 7; SCOTT, 1977, p. 171, pl. 6, fig. 9; SCHAFER AND COLE, 1978, p. 27, pl. 3, fig. 1.

Haplophragmoides bonplandi Todd and Brönnimann Plate 2, Figures 4, 5

Haplophragmoides bonplandi Todd and Brönnimann, 1957, p. 23, pl. 2, fig. 2; Scott and others, 1977, p. 1579, pl. 3, figs. 5, 6; Scott, 1977, p. 172, pl. 3, figs. 5, 6.

Helenina andersoni (Warren) Plate 5, Figures 10, 11

Valvalineria sp. PHLEGER AND WALTON, 1950, pl. 2, figs. 22a, b. Pseudoeponides andersoni WARREN, 1957, p. 39, pl. 4, figs. 12–15; PARKER AND ATHEARN, 1959, p. 341, pl. 50, figs. 28–31.

Helenina andersoni (Warren). SAUNDERS, 1961, p. 148; SCOTT, 1977, p. 173, pl. 6, figs. 12, 13.

Remarks: This is the first reported occurrence of this calcareous marsh species in the Maritimes.

Hemisphaerammina bradyi Loeblich and Tappan Plate 1, Figures 4, 5

Hemisphaeraminia bradyi Loeblich and Tappan in LOEBLICH AND COLLABORATORS, 1957, p. 224, pl. 72, fig. 2; SCOTT AND OTH-ERS, 1977, p. 1579, pl. 3, figs. 7, 8; SCOTT, 1977, pl. 2, figs. 4, 5; SCHAFER AND COLE, 1978, p. 28, pl. 1, fig. 5.

Crithionina pisum Goes. GREGORY, 1970, p. 165, pl. 1, fig. 6.

Hemisphaerammina sp. COLE AND FERGUSON, 1975, pl. 1, fig. 4.

Miliammina fusca (Brady) Plate 2, Figures 1–3

Quinqueloculina fusca BRADY, 1870, p. 47, pl. 11, figs. 2, 3.

Miliammina fusca (Brady). PHLEGER AND WALTON, 1950, p. 280, pl. 1, figs. 19a, b; PARKER, 1952a, p. 404, pl. 3, figs. 15, 16; PARKER, 1952b, p. 452, pl. 2, figs. 6a, b; PARKER AND ATHEARN, 1959, p. 340, pl. 50, figs. 11, 12; GREGORY, 1970, p. 172, pl. 2, fig. 8; COLE AND FERGUSON, 1975, p. 37, pl. 4, figs. 1, 2; SCOTT AND OTHERS, 1977, p. 1579, pl. 2, figs. 8, 9; SCOTT, 1977, p. 173, pl. 3, figs. 1–3; SCHAFER AND COLE, 1978, p. 28, pl. 12, fig. 2.

PLATE 4

- 1-3 Trochammina inflata—microspheric form. 1. Dorsal view, ×95. 2. Ventral view, ×86. 3. Apertural view, ×95. All specimens from station 1F, Chezzetcook Inlet.
- 4, 5 Trochammina ochracea (Williamson). 4. Dorsal view, ×116.
 5. Ventral view, ×106. Specimens from station 17a, transect V, Chezzetcook Inlet.
- 6, 7 Trochammina squamata Parker and Jones. 6. Dorsal view,

 \times 120. 7. Ventral view, \times 99. Specimens from station 3h, Chebogue Harbour.

8-11 Arenoparella mexicana (Kornfeld).
8. Ventral view, ×86.
9. Dorsal view, ×117.
10. Aperture view, aperture partially obscured, ×112.
11. Aperture view with additional aperture above the vertical slit, ×99. Specimens from station 29b, transect III, Chezzetcook Inlet.



(41)



Polysaccammina ipohalina Scott Plate 2, Figures 8–11

Polysaccammina ipohalina SCOTT, 1976b, p. 318, pl. 2, figs. 1-4, text figs. 4a-c; ZANINETTI AND OTHERS, 1977, p. 176, pl. 1, fig. 7; SCOTT, 1977, p. 174, pl. 3, figs. 10-13.

Remarks: This recently described species probably has a worldwide distribution in marshes but has suffered the fate of non-recognition since it is sometimes difficult to differentiate from organic debris. The species was originally described as non-attached; however, many of the specimens observed in Nova Scotia are attached to organic debris.

Protelphidium orbiculare (Brady) Plate 5, Figure 7

Nonionia orbiculare BRADY, 1881, p. 415, pl. 21, fig. 5.

- Nonion orbiculare (Brady). CUSHMAN, 1930, p. 12, pl. 5, figs. 1-3. Elphidium orbiculare (Brady). HESSLAND, 1943, p. 262; GREGORY, 1970, p. 228, pl. 14, figs. 5, 6.
- Protelphidium orbiculare (Brady). TODD AND LOW, 1961, p. 20, pl. 2, fig. 11; COLE AND FERGUSON, 1975, p. 39, pl. 7, figs. 7, 8; SCOTT AND OTHERS, 1977, p. 1579, pl. 5, figs. 5, 6; SCOTT, 1977, p. 174, pl. 6, fig. 9; SCHAFER AND COLE, 1978, p. 28, pl. 10, fig. 5.

Reophax nana Rhumbler Plate 2, Figure 6

Reophax nana Rhumbler, 1911, p. 182, pl. 8, figs. 6–12; Parker, 1952b, p. 457, pl. 1, figs. 14, 15; Scott and others, 1977, p. 1579, pl. 3, figs. 1, 2; Scott, 1977, p. 175, pl. 3, fig. 7; Schafer and Cole, 1978, p. 29, pl. 2, fig. 4.

Thurammina(?) limnetis n.sp. Plate 1, Figures 1–3

Armorella sphaerica Heron-Allen and Earland. PHLEGER AND WAL-TON, 1950, p. 277, pl. 1, fig. 1.

Astrammina rara Rhumbler. ELLISON AND NICHOLS, 1976, p. 141; SCOTT, 1977, p. 166, pl. 2, figs. 1-3.

Astrammina sphaerica (Heron-Allen and Earland). ZANINETTI AND OTHERS, 1977, p. 176, pl. 1, fig. 9.

Holotype: One specimen from Wallace Basin, USNM [no.] 278127.

Paratypes: Two specimens from Wallace Basin, USNM [nos.] 278128, 278129.

Type locality: Wallace Basin marsh, Station 7c. Trivial name: $\lambda \iota \mu \nu \tilde{\eta} \tau \iota \sigma =$ living in marshes.

Description: Test small, free or attached, monothalamous, subglobular; variable number of irregular mammillae usually occur on the surface. Wall of variable thickness, flexible, made up of mineral grains loosely cemented to an inner, transparent, pseudochitinous layer. Apertures at the apex of mammillae. The pseudochitinous layer is normally visible in the area of attachment.

Ecology and occurrence: In our work this species was only observed from marsh sediments. Examination of material reported on by Phleger and Walton (1950) and Ellison and Nichols (1976) corroborates our own studies. In Nova Scotia the species appears restricted to middle and lower marsh areas with rare occurrences in high marsh. Salinities ranged from 10–30‰ with an optimum range for this species probably between 20 and 30‰.

This species may have suffered the same fate of nonrecognition as *Polysaccammina ipohalina* because it often is difficult to differentiate from organic detrital material, particularly when it is attached. The species was included in quantitative counts only from Wallace Basin but is known to occur in all the study areas. As with *P. ipohalina* the species probably has a worldwide distribution.

Remarks: This species has been referred to the genus *Astrammina* (=*Armorella*) by various authors. Specimens of *Astrammina* collected by Cushman on the east coast of North America were examined and appear to have little in common with our forms. Our opinion, supported by examination of similar material (R. Todd, personal commun., 1978), is that this form is closer to *Thurammina* than to *Astrammina* (*As*-

←---

PLATE 5

- 1-3 Tiphotrocha comprimata (Cushman and Brönnimann). 1. Dorsal view, ×74. 2. Ventral view of mature specimen with characteristic T-shaped final chamber, ×68. 3. Less mature specimen without an irregular final chamber, ×74. Specimens from station 46, Chezzetcook Inlet.
 - 4 Cribrononion umbilicatulum (Williamson).
 4. Side view, ×60. Specimen from station 7c, Chezzetcook Inlet.
 - 5 *Cribrononion excavatum* (Terquem) forma *clavatum*. 5. Side view, ×86. Specimen from station 7c, Chezzetcook Inlet.
- 6 Cribrononion excavatum (Terquem) forma selseyensis. 6. Side view, ×104. Specimen from station 47c, Chezzetcook Inlet.
- 7 Protelphidium orbiculare (Brady). 7. Side view, ×49. Specimen from station 47b, Chezzetcook Inlet.
- Ammonia beccarii (Linné).
 Dorsal view, ×130.
 Ventral view, ×110.
 Specimen from station 47b, Chezzetcook Inlet.
- 10, 11 Helenina andersoni (Warren). 10. Dorsal view, ×88. 11.
 Ventral view, ×89. Specimens from station 12b, transect 1V, Chezzetcook Inlet.

trammina, as pointed out by Loeblich and Tappan, 1964, p. 185, is an *Astrorhiza*-like form with a spherical rather than discoidal center and bears very little resemblance, on close examination, with our material).

We have doubtfully attributed the species to the genus *Thurammina* only because very few *Thurammina* specimens were available for comparison and we could not ascertain whether the flexibility of the *Thurammina* wall was due to the presence of an inner pseudochitinous layer. There are few doubts, however, that a new genus (possibly "*Pseudothurammina*") is in order. In fact, *Thurammina* is reported as free, living in normal salinity water and no mention is ever made to the pseudochitinous layer while our material can be free or attached, possesses a pseudochitinous layer and seems to be restricted to marshes. Such new genus would probably belong to the subfamily Saccammininae of which it possesses most of the diagnostic features.

Tiphotrocha comprimata (Cushman and Brönnimann) Plate 5, Figures 1–3

Trochammina comprimata CUSHMAN AND BRÖNNIMANN, 1948a, p. 41, pl. 8, figs. 1–3.

Tiphotrocha comprimata (Cushman and Brönnimann). SAUNDERS, 1957, p. 11; PARKER AND ATHEARN, 1959, p. 341, pl. 50, figs. 14–17; SCOTT AND OTHERS, 1977, p. 1579, pl. 4, figs. 3, 4; ZANINETTI AND OTHERS, 1977, p. 176, pl. 1, figs. 4, 6; SCOTT, 1977, p. 176, pl. 5, figs. 14–16.

Remarks: Large populations of this species appear to be restricted to marsh areas and only isolated, reworked specimens of this species occur outside the marsh. Since this is the first study of marshes in the area, previous authors in the Maritimes have probably only encountered isolated specimens of *T. comprimata* and these have been understandably placed with a more familiar and quite similar species—*Trochammina squamata*.

Trochammina inflata (Montagu)

Plate 3, Figures 12–14, Plate 4, Figures 1–3

Nautilus inflatus MONTAGU, 1808, p. 81, pl. 18, fig. 3.

Trochammina inflata (Montagu). PARKER AND JONES, 1859, p. 347;
PHLEGER AND WALTON, 1950, p. 280, pl. 2, figs. 1–3; PARKER, 1952a, p. 407, pl. 4, figs. 6, 10; PARKER, 1952b, p. 459, pl. 3, figs. 2a, b; PHLEGER AND EWING, 1962, pl. 4, figs. 11, 12;
GREGORY, 1970, p. 180, pl. 4, figs. 3, 4; COLE AND FERGUSON, 1975, p. 43, pl. 4, figs. 3, 4; ZANINETTI AND OTHERS, 1977, p. 176, pl. 1, figs. 1, 2; SCOTT, 1977, p. 177, pl. 4, figs. 12–14, pl. 5, figs. 1–3; SCHAFER AND COLE, 1978, p. 29, pl. 5, fig. 2.

Remarks: The microspheric form of this species (Pl.

4, Figs. 1–3) has sometimes been referred to as T. *inflata* var.; however, measurements have shown that this form is simply the microspheric generation of T. *inflata* (M. Price, Dalhousie Biology, personal commun., 1979).

Trochammina macrescens Brady Plate 3, Figures 1–8

- Trochammina inflata (Montagu) var. macrescens BRADY, 1870, p. 290, pl. 11, figs. 5a-c; SCOTT, 1976b, p. 320, pl. 1, figs. 4-7; SCOTT AND OTHERS, 1977, p. 1579, pl. 4, figs. 6, 7; SCOTT, 1977, p. 178, pl. 4, figs. 1-8.
- Jadammina polystoma BARTENSTEIN AND BRAND, 1938, p. 381, figs. 1a-c, 2a-l; PARKER AND ATHEARN, 1959, p. 341, pl. 50, figs. 21, 22, 27; PHLEGER AND EWING, 1962, p. 179, pl. 4, figs. 13, 14; SCOTT, 1977, p. 173, pl. 4, figs. 9-11.
- Trochammina macrescens Brady. PHLEGER AND WALTON, 1950, p. 281, pl. 2, figs. 6, 7; PARKER, 1952a, p. 408, pl. 4, figs. 8a, b; PARKER, 1952b, p. 460, pl. 3, figs. 3a, b; PARKER AND ATHEARN, 1959, p. 341, pl. 50, figs. 23–25; GREGORY, 1970, p. 181, pl. 4, fig. 7; COLE AND FERGUSON, 1975, p. 43, pl. 4, figs. 6, 7; SCHAFER AND COLE, 1978, p. 29, pl. 4, fig. 3.
- Jadammina macrescens (Brady). MURRAY, 1971b, p. 41, pl. 13, figs. 1-5.

Remarks: There has always been some question as to whether *Trochammina macrescens* and *Jadammina polystoma* were distinct from each other. To help solve this problem we prepared an intergradational series between the two to determine if they were linked. This technique was discussed and successfully used on a more complex foraminiferal group in a recent paper (Medioli and Scott, 1978).

A series of specimens is shown in Pl. 3 to illustrate the variability of the curvature of the suture lines on the ventral side of this group, together with other characteristics of the ventral side. Dorsally all specimens look the same. At one extreme of the series are the straight sutures with a large umbilical cavity and distinct umbilical teeth (Pl. 3, Fig. 3). Plate 3, Figs. 5-8 show specimens with progressively more curved suture lines, a reducing umbilical cavity and no umbilical teeth. The form with extremely curved sutural lines (Pl. 3, Fig. 8) is indistinguishable from what has been previously called J. polystoma (Pl. 3, Figs. 9-11) except for the supplementary apertures (Pl. 3, Fig. 10). Boltovskov (1958) has suggested that supplementary apertures in some species may be environmentally controlled, rather than distinct specific characteristics. Parker and Athearn (1959) speculated that this may be the case for T. macrescens.

Additionally, in our material (and in the figures of Bartenstein and Brand, 1938) the number of supplementary apertures in the *J. polystoma* form appears to vary between 1 and 5, suggesting that the number

of apertures is an individual rather than a specific characteristic. This, in turn, means that supplementary apertures, at least in this case, have no taxonomic significance (particularly to define a genus, i.e., Jadammina). If, to this consideration, we add the evidence of the intergradational series there remains little doubt that J. polystoma and T. macrescens belong to the same species. Murray (1971b) had already placed the two forms together in J. macrescens but, as Jadammina, the latter has priority and these forms should then be placed in Trochammina macrescens Brady.

If, as it has been suggested, supplementary apertures are environmentally controlled, one would not expect the two forms to occur together. In our counts, in fact, they appeared to have different distribution patterns. The form without supplementary apertures was restricted to areas where the salinity was below 20% (Barnstable, Mass.; James River, Va.; Nova Scotia) whereas the one with supplementary apertures occurs in high salinity marshes (Greece, southern California, Europe). Temperature does not appear to have any influence on these forms, as shown by the presence of the form without supplementary apertures in a brackish marsh in southern California (Scott, 1976b). These forms are useful salinity indicators and it appears desirable to keep them separated. We propose the following terminology (which clearly has no taxonomic value): the form without supplementary apertures to be identified as Trochammina macrescens macrescens, and the one with supplementary apertures as Trochammina macrescens polystoma.

Trochammina ochracea (Williamson) Plate 4, Figures 4, 5

- Rotalina ochracea WILLIAMSON, 1858, p. 55, pl. 4, fig. 112, pl. 5, fig. 113.
- Trochammina ochracea (Williamson). CUSHMAN, 1920, p. 75, pl.
 15, fig. 3; GREGORY, 1970, p. 182, pl. 4, figs. 8, 9; COLE AND FERGUSON, 1975, p. 43, pl. 4, figs, 9, 10; SCOTT AND OTHERS, 1977, p. 1580, pl. 4, figs. 5, 8; SCOTT, 1977, p. 179, pl. 5, figs.
 4, 5; SCHAFER AND COLE, 1978, p. 29, pl. 4, figs. 4a, b.

Trochammina squamata Parker and Jones Plate 4, Figures 6, 7

Trochammina squamata PARKER AND JONES, 1865, p. 407, pl. 15, figs. 30, 31a-c; PHLEGER AND WALTON, 1950, p. 281, pl. 2, figs. 12, 13; PARKER, 1952a, p. 408, pl. 4, figs. 11-16; PARKER, 1952b, p. 460, pl. 3, figs. 4a, b; COLE AND FERGUSON, 1975, p. 43, pl. 4, figs. 11, 12; SCOTT, 1977, p. 180, pl. 5, figs. 6, 7; SCHAFER AND COLE, 1978, p. 29, pl. 5, fig. 1.

Note: Cribrononion umbilicatulum (Williamson) should be C. williamsoni (Haynes) from Elphidium williamsoni Haynes. J. R., 1973, Bulletin of the British Museum of Natural History, Zoology, supplement 4, p. 207-209, pl. 24, fig. 7, pl. 25, figs. 6, 9, pl. 27, figs. 1-3.

ACKNOWLEDGMENTS

P. J. Mudie (Dalhousie University) critically read the various parts of the manuscript as they were produced and identified all plants mentioned in the text; Dr. R. Ellison (University of Virginia) provided extremely useful comments during the early stages of preparation. B. Tilley, D. Howard, and D. Wightman (all Dalhousie University students) assisted at various times with field operations. A. A. L. Miller (Dalhousie) critically read the final manuscript and assisted in plate preparations.

Dr. C. T. Schafer, F. Cole, and B. Deonarine (Bedford Institute of Oceanography) assisted with taxonomic problems and S.E.M. photography.

Drs. D. J. W. Piper, H. B. S. Cooke, and C. Beaumont helped in various phases with comments and criticisms.

This work was partially supported by a National Research Council of Canada operating grant to F. S. Medioli.

Funding for publication costs was supplied by the Department of Graduate Studies, Dalhousie University.

REFERENCES

- ALBANI, A. D., and JOHNSON, K. R., 1975, Resolution of foraminiferal biotopes in Broken Bay, N.S.W.: Geological Society of Australia Journal, v. 22, p. 435–446.
- ANDERSON, H. V., 1951, Two new genera of Foraminifera from recent deposits of Louisiana: Journal of Paleontology, v. 25, p. 31-34.
- BARTENSTEIN, H., and BRAND, E., 1938, Die Foraminiferan-Fauna des Jade-Gebietes 1. Jadammina polystoma n.g., n.sp. aus dem Jade-Gebietes (for): Senckenbergiana, v. 20, no. 5, p. 381-385.
- BOLTOVSKOY, E., 1958, The foraminiferal fauna of the Rio de la Plata and its relation to the Caribbean area: Cushman Foundation for Foraminiferal Research Contributions, v. 9, p. 17-21.
- BRADSHAW, J. S., 1957, Laboratory studies on the rate of growth of the Foraminifer, *Streblus beccarii* (Linné) var. *tepida* (Cushman): Journal of Paleontology, v. 31, no. 6, p. 1138–1147.
- —, 1968, Environmental parameters and marsh Foraminifera: Limnology and Oceanography, v. 13, no. 1, p. 26–38.
- BRADY, H. B., 1870, in Brady, G. S., and Robertson, D., 1870, The ostracoda and Foraminifera of tidal rivers. With analysis and descriptions of Foraminifera by H. B. Brady, part II: Annual Magazine of Natural History, ser. 4, v. 6, p. 273–306.

—, 1884, Report on the Foraminifera dredged by the H.M.S. Challenger during the years 1873–1876. Reports of scientific results from Explorer: Voyage of the H.M.S. Challenger, Zoology, v. 9, p. 1–814, pl. 1–115.

- BRÜNNICH, M. T., 1772, M. T. Brunnich Zoologiae Fundamentals: Grunde i, Dyrelorren (Hafniae at Lipsiae), 253 p.
- CHAPMAN, V. J., 1960, Salt Marshes and Salt Deserts of the World: London, Leonard Hill LTP, 392 p.
- —, 1976, Coastal vegetation, second edition: Toronto, Pergamon Press, 292 p.
- COLE, F., and FERGUSON, C., 1975, An illustrated catalogue of Foraminifera and Ostracoda from Canso Strait and Chedabucto Bay, Nova Scotia: Bedford Institute of Oceanography, Report Series BI-R-75-5, 55 p.
- CUSHMAN, J. A., 1920. The Foraminifera of the Atlantic Ocean. Pt. 2, Lituolidae: U.S. National Museum Bulletin, v. 104, pt. 2, 111 p.
 - —, 1921, Results of the Hudson Bay expedition, 1920; I—The Foraminifera: Toronto, Canada. Biological Board, Contributions to Canadian Biology (1921), 1922, no. 9, p. 135–147.
- ———, 1926, Recent Foraminifera from Porto Rico: Carnegie Institution of Washington Publication 344, p. 75–84.
- , 1937, A monograph of the foraminiferal Family Valvulinidae: Cushman Laboratory for Foraminiferal Research Special Publication 8, 210 p.
- CUSHMAN, J. A., and BRÖNNIMANN, P., 1948a, Additional new species of arenaceous Foraminifera from the shallow waters of Trinidad: Cushman Laboratory for Foraminiferal Research Contributions, v. 24, p. 37-42.

—, 1948b, Some new genera and species of Foraminifera from brackish water of Trinidad: Cushman Laboratory for Foraminiferal Research Contributions, v. 24, p. 15–21.

- ELLISON, R. L., and NICHOLS, M. M., 1976. Modern and Holocene Foraminifera in the Chesapeake Bay Region: First International Symposium on Benthonic Foraminifera of the Continental Margins, Part A, Ecology and Biology, Maritime Sediments, Special Publication 1, p. 131–151.
- FARRELL, W. E., and CLARK, J. A., 1976, On postglacial sea level: Geophysical Journal of the Royal Astronomical Society, v. 46, p. 647-667.
- FEYLING-HANSSEN, R. W., 1972, The Foraminifer *Elphidium excavatum* (Terquem) and its variant forms: Micropaleontology, v. 18, no. 3, p. 337–354.
- FISCHER DE WALDHEIM, G., 1817, Adversaria zoologica: Memoirs de la Societé Impériale des Naturalistes de Moscow, v. 5, p. 357-471.
- FRIZZELL, D. L., and KEEN, A. M., 1949, On the nomenclature and generic position of *Nautilus beccarii* Linné (Foraminifera "Rotaliidae"): Journal of Paleontology, v. 23, p. 106–108.
- GOULD, S. J., 1976, Paleontology plus ecology as palaeobiology: In May, R. M., Theoretical Ecology, Principles and Applications: Philadelphia, W. B. Saunders, p. 218–236.
- GREGORY, M. R., 1970, Distribution of Benthonic Foraminifera in Halifax Harbour, Nova Scotia: Halifax, Dalhousie University, Ph.D. thesis.
- HARRISON, E. Z., and BLOOM, A. L., 1977, Sedimentation rates on tidal salt marshes in Connecticut: Journal of Sedimentary Petrology, v. 47, no. 4, p. 1484–1490.
- HERON-ALLEN, E., and EARLAND, A., 1911, On the Recent and fossil foraminifera of the shore-sands of Selsey Bill, Sussex

VIII: Royal Microscopical Society London Journal, 1911, p. 436-448.

- HESSLAND, 1., 1943, Marine Schalenablager-ungen Nord-Bohuslans: Geological Institute of Uppsala Bulletin, 31 p.
- KAYE, C. A., and BARGHOORN, E. S., 1964, Late Quaternary sealevel change and crustal rise at Boston, Massachusetts, with notes on the autocompaction of peat: Geological Society of America Bulletin, v. 75, p. 63–80.
- KORNFELD, M. M., 1931, Recent littoral Foraminifera from Texas and Louisiana: Stanford University, Department of Geology Contributions, v. 1, no. 3, p. 77–101.
- LÉVY, A., MATHIEU, R., MOMENI, I., POIGNANT, A., ROSSET-MOULINIER, M., ROUVILLOIS, A., and UBALDO, M., 1969, Les représentants de la Famille de Elphidiidae (Foraminiferes) dans les sables des plages des environs de Dunderque. Remarques sur les espèces de *Polystomella* signalées par O. Terquem: Revue de Micropaléontologie, v. 12, no. 2, p. 92–98.
- LÉVY, A., MATHIEU, R., POIGNANT, A., ROSSET-MOULINIER, M., and ROUVILLOIS, A., 1975, Sur quelques foraminiferes actuels des plages de Dunkerque et das environs: Neotypes et espèces nouvelle: Revue de Micropaléontologie, v. 17, p. 171–181.
- LINNÉ, C., 1758, Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis: G. Engelmann (Lipsiae), ed. 10, v. 1, p. 1–824.
- LOEBLICH, A. R., JR., and TAPPAN, H., 1964, Sarcodina, chiefly "Thecamoebians" and Foraminiferida, *in* Moore, R. C., ed., Treatise on Invertebrate Paleontology, Protista 2, pt. c, Kansas University Press, v. 1, 2, 899 p.
- LOEBLICH, A. R., JR., and collaborators: Tappan, H., Beckman, J. P., Bolli, H. M., Gallitelli, E. M., Troelsen, J. C., 1957, Studies in Foraminifera: U.S. National Museum Bulletin 215, 321 p.
- LUTZE, C. F., 1965, Zur foraminiferen der astee: Meyniana, v. 15, p. 75–142.
- —, 1968, Jahresgang der Foraminiferen-Fauna in der Bottsand-Lagune: Meyniana, v. 18, p. 13-30.
- MACDONALD, K. B., 1969, Quantitative studies of salt marsh faunas from the North American Pacific coast: Ecology Monographs, v. 39, no. 1, p. 33-60.
- MEDIOLI, F. S., and SCOTT, D. B., 1978, Emendation of the genus Discanomalina Asano and its implications on the taxonomy of some of the attached foraminiferal forms: Micropaleontology, v. 24, no. 3, p. 291–302.
- MILLER, A. A. L., 1979, Taxonomy, morphology and microprobe analysis of the recent Foraminifer *Elphidium excavatum* (Terquem) from a Labrador shelf sediment core: Queen's University, Kingston, Ontario, Canada, unpublished B. Sc. thesis.
- MONTAGU, G., 1808, Testacea Britannica, supplement: Exeter, England, S. Woolmer, 183 p.
- MURRAY, J. W., 1971a, Living Foraminiferids of tidal marshes: a review: Journal of Foraminiferal Research, v. 1, no. 4, p. 153– 161.
- —, 1971b, An Atlas of Recent British Foraminiferids: New York: Elsevier Publishing Co.
- PARKER, F. L., 1952a, Foraminifera species off Portsmouth, New Hampshire: Harvard Museum of Comparative Zoology Bulletin, v. 106, no. 9, p. 391-423.
- , 1952b, Foraminiferal distribution in the Long Island Sound-Buzzards Bay area: Harvard Museum of Comparative Zoology Bulletin, v. 106, no. 10, p. 438–473.
 - -----, and ATHEARN, W. D., 1959, Ecology of marsh Foraminif-

era in Poponesset Bay, Massachusetts: Journal of Paleontology, v. 33, no. 2, p. 333-343.

- PARKER, W. K., and JONES, T. R., 1859, On the nomenclature of the Foraminifera, part 2, on species enumerated by Walker and Montagu: Annual Magazine of Natural History, ser. 2, v. 4, p. 333–351.
- —, 1865, On some Foraminifera from the North Atlantic and Arctic Oceans, including Davis Strait and Baffin's Bay: Philosophical Transactions, v. 155, p. 325–441.
- PELTIER, W. R., and ANDREWS, J. T., 1976, Glacial-isostatic adjustment—I. The forward problem: Geophysical Journal of the Royal Astronomical Society, v. 46, p. 605–646.
- PHLEGER, F. B. 1954, Ecology of Foraminifera and associated micro-organisms from Mississippi sound and environs: American Association of Petroleum Geologists Bulletin, v. 38, no. 4, p. 584-647.
 - —, 1955, Ecology of Foraminifera in southeastern Mississippi delta area: American Association of Petroleum Geologists Bulletin, v. 39, no. 5, p. 712–751.
- —, 1965a, Living Foraminifera from a coastal marsh, southwestern Florida: Boletin de la Sociedad Geológica Mexicana, t. 28, no. 1, p. 45-60.
- —, 1965b. Pattern of marsh Foraminifera, Galveston Bay, Texas: Limnology and Oceanography, v. 10, supplement, p. R169-184.
- —, 1966, Patterns of living marsh foraminifera in south Texas coastal lagoons: Boletin de la Sociedad Geológica Mexicana, t. 28, no. 1, p. 1–44.
- —, 1967, Marsh foraminiferal patterns, Pacific coast of North America: Universidad Nacional Autonoma de Mexico Instituto de Biológia Anales 38, ser. Ciencia del Mar y Limnológia, v. 1, p. 11–38.
- , 1970, Foraminiferal populations and marine marsh processes: Limnology and Oceanography, v. 15, no. 4, p. 522–534.
- PHLEGER, F. B, and BRADSHAW, J. S., 1966, Sedimentary environments in a marine marsh: Science, v. 154, no. 3756, p. 1551– 1553.
- PHLEGER, F. B., and EWING, G. C., 1962, Sedimentology and oceanography of coastal lagoons in Baja California, Mexico: Geological Society of America Bulletin, v. 75, p. 145–182.
- PHLEGER, F. B., and WALTON, W. R., 1950, Ecology of marsh and bay Foraminifera, Barnstable, Mass.: American Journal of Science, v. 248, p. 274–294.
- REDFIELD, A. C., 1972, Development of a New England salt marsh: Ecology Monographs, v. 42, no. 2, p. 201-237.
- RHUMBLER, L., 1911, Die Foraminiferen (Thalamophoren) der Plankton-Expedition: Ergebnisse der Plankton-Expedition der Humboldt-Stiftung, v. 3, Lief. C., p. 1-331.
- ROSSET-MOULINIER, M., 1976, Etude systématique et écologique des Elphidiidae et des Nonionidae (Foraminifères) du Littoral Brêton: 11—Les espèces a test radiaive: Revue de Micropaléontologie, v. 19, p. 86–100.
- SAUNDERS, J. B., 1957, Trochamminidae and certain Lituolidae (Foraminifera) from the recent brackish-water sediments of Trinidad, British West Indies: Smithsonian Miscellaneous Collections, v. 134, no. 5, publ. 4270, p. 1–16.
- . 1961, *Helenina* Saunders, new name for the foraminiferal genus *Helenia* Saunders, 1957, non *Helenia* Walcott, 1889: Cushman Foundation for Foraminiferal Research Contributions, v. 12, pt. 4, p. 148.

- SCHAFER, C. T., and COLE, F. E., 1978, Distribution of foraminifera in Chaleur Bay, Gulf of St. Lawrence: Geological Survey of Canada Paper 77-30, 55 p.
- SCHNITKER, D., 1974, Ecotypic variation in Ammonia beccarii (Linné): Journal of Foraminiferal Research, v. 4, no. 4, p. 216– 223.
- SCOTT, D. B., 1976a, Quantitative studies of marsh foraminiferal patterns in southern and their application to Holocene stratigraphic problems: First International Symposium on Benthonic Foraminifera of Continental Margins, Part A, Ecology and Biology, Maritime Sediments, Special Publication 1, p. 153-170.
- —, 1977, Distribution and population dynamics of marsh-estuarine foraminifera with applications to relocating Holocene sea-levels: Dalhousie University, Halifax, Ph.D. dissertation, 252 p.
-, 1978. Seasonal variations of salt marsh foraminiferal populations in Nova Scotia, Canada: Geological Society of America Annual Meetings, Toronto, Canada, Abstract to symposium on ecology of living foraminifera.
- SCOTT, D. B., and MEDIOLI, F. S., 1978, Vertical zonations of marsh foraminifera as accurate indicators of former sea levels: Nature, v. 272, no. 5653, p. 528-531.
- SCOTT, D. B., MEDIOLI, F. S., and SCHAFER, C. T., 1977. Temporal changes in foraminifera distributions in Miramichi River estuary New Brunswick: Canadian Journal of Earth Sciences, v. 14, no. 7, p. 1566–1587.
- SCOTT, D. B., PIPER, D. J. W., and PANAGOS, A. G., 1979, Recent salt-marsh and intertidal mudflat foraminifera from the western coast of Greece: Rivista Italiana de Paleonotogia, v. 85, no. 1.
- STEVENSON, R. E., and EMERY, K. O., 1958. Marshlands at Newport Bay, California: Allan Hancock Foundation, Occasional Papers, no. 20, 109 p.
- TERQUEM, O., 1876, Essai sur le classement des animaux qui vivent sur la plage et dans les environs de Dunkerque: Premiere partie. Societé Dunderquoise, Mémoires. v. 19 (1874-75), p. 405-457.
- THALMANN, H. E., 1947, Mitteilungen über Foraminiferen: Eclogae Geologicae Helvetiae, Pt. 5, v. 39, no. 2, p. 309-314.
- TODD, R., and BRÖNNIMANN, P., 1957. Recent Foraminifera and Thecamoebina from the Eastern Gulf of Paria: Cushman Foundation for Foraminiferal Research Special Publication 3, 43 p.
- TODD, R., and Low, D., 1961, Near-shore Foraminifera of Martha's Vineyard Island, Massachusetts: Cushman Foundation for Foraminiferal Research Contributions, v. 12, p. 5–21.
- WAISEL, Y., 1972, Biology of Halophytes: New York, Academic Press, 395 p.
- WARREN, A. D., 1957, Foraminifera of the Buras-Scofield Bayou region, southeast Louisiana: Cushman Foundation for Foraminiferal Research Contributions, v. 8, pt. 1, p. 29–40.
- WILLIAMSON, W. C., 1858, On recent Foraminifera of Great Britain: Royal Society (London) Publication, 107 p.
- ZANINETTI, L., BRÖNNIMANN, P., BEURLEN, G., and MOURA, J. A., 1977, La Mangrove de Guaratiloa et La Baie de Sepetiba état de Rio de Janeiro Brésil: foraminiferes et écologie: Genève, Archives des Sciences, v. 30, pt. 2, p. 161–178.

APPENDIX TABLES 1A, B

Foraminiferal occurrences at areal marsh stations 1–6, Chezzetcook Inlet: percent living and total number of species and individuals per sample, X indicates less than 1%, L = live, T = total. J. polystoma is differentiated from T. macrescens in all of the following tables; however, the two forms are believed ecotypes of the same species (see SYSTEMATIC TAXONOMY).

				a branchester	and the second se		and includes a			1.000			-								And and a state of the local division of the	-	-			w		A				1.1.1.	100 C 10	A
WATION NUMBER	141	1ay	űь ₁	1102	101	ie2	ъd ₂	102	1e1	102	171	1.12	1ųj	192	in ₁	147	28.1	2 a 7	201	202	20 ₁	202	201	28 ₂	2e1	Ze 2	Jeş	Ja ₂	1001	3bg	341	302	241	Hd 2
EAMPLINC DAVE	8/20/15	9/20/75	\$1707/6	51/07/6	21/20/15	CL/02/6	3/20/15	9/20/75	9/20/75	51/02/6	\$6/02/6	\$1/02/6	Sc/uC/6	\$120215	51/02/6	8120/75	SL/OE/6	suitativis	\$1/02/6	56/02/0	9/20/75	9/20,75	9/33/75	9/20/75	\$7.702./6	9/20/75	\$1/07/6	3/20/35	\$1/30/2P	\$7.20/75	9/20/25	3/20/35	27/02/6	9/20/75
NO. OF SPECIES LIVE/DOMED	0 0	0 G	- 2	0	0	- 4	2	4	5	6	3	4	6	5	3	- <u>-</u> R	2	<u>_6</u>	3	6 7	6 7	2	5 8	4. 5	7. 8	- 4	2.5	4 5	3	4	4	<u>4</u> 5	\exists	3
NG. OF INDIVIDUALS FER 10 cm ³ (J.196/TOTAL)	µ G	0 0	15 585	0 1120	0 0831	56 1366	3 3824	19 2079	AS 1107	129 1866	28 2544	25 5984	310 2845	57 846	ष २०६	49 201	29 241	40 409	12 1711	47 2635	46 2786	2 5911	65 1560	77 1035	405 1793	71 1751	17 690	48 585	98 H 54	59 2861	22 4205	৭৫ ২৩৬৩	730 1108	157
samoirzaulijen friigreus y											-	-	_							_		_			-	L								
A. Jiharane T	·						-																_			3								
Ameralis boovarii 7		-			-					<u> </u>	4 X		ļ	2 X		2	-							******	12	4 X				-		~	-	
Annotium onlean 1														-	25	2						X			<u>х</u>									
Aremannella matanne $\frac{\pi}{4}$	1													+					-		.8	x	x							+				
rehension 1 wellfortuler 7										1 K			ė X	12	3	60 21		20		a X	4	.*	8	é X	60 26	70 .ij							0) 16	96
KapLophragwoides ^L Sonplasdi T											-																						_	
dankameleka prilijeterno <u>r</u>	-	-							2	2	21	20	11	16	2	3		3	1	1	2	50 1	9 10	5	×	x	1	2 X	x	<u>+</u>	9	4		
Miliannelne Jusea 1			x	ĸ	5	2	50 53	68 39	65 63	81 70	26	20	52 88	54 76	62 76	27 65	71 69	65 48	3.1 65	26 33	22 58	63	17 63	71 67	24 69	24	<u>в</u> н	7	20	22	90 46	33 26	11 69	2 59
Prégnacagennes l épohotina 1	+													<u> </u>		-	<u> </u>	x								Ŀ		X.						
Protožphidžan ž orbicujar <u>e t</u>	1												×	x	12	4									<u>x</u>	-1		-					-	
ineinquelocalina e econosian c		<u> </u>											X							2 X			<u>x</u>											~
Rectine nana 1					-						<u> </u>		-				<u> </u>																	
Tiphokreaka emperimata					4		50 10	16	6 10	4 9	x	7 X	x	<u> </u>			20 20	15 29	42 3	19 3		50 2	- 2 -	x		<u> </u>	93 11	24	- 7		24	. <u>4</u>	- 1	
Trookanninė enflato – j			÷ 2	2	x	×	23	10	5	5	75 62	53 49	21	14	1	2	1	2 X	25	30 31	46	34	3	19	$\frac{x}{x}$		x		X	2 -	. <u>33</u> 30	- <u>18</u> 25		-4-
C. machesiskets.	1	Į	94	- 94		95	1.	5	13	8	ļ		L				<u> </u>	2		21	15						41	67	72	7.3	12	45	-10-1	38

STATION NUMBER	6x,	44.2	æ.	462	4c1	402	441	482	341	5×2	50-1	\$5.3	5e.1	se,	541	502	501	5+1	581	5f ₂	54	59.2	64,	6.8.2	60.j	60 g	6c,	402
STAFFLING DATE	\$7.257.75	\$175276	\$1.752.78	81.252.78	\$6/52/6	55/52/6	51/52/6	21/22/6	\$4.76Z/4	9/752/0	21/02/4	\$175/15	9/25/75	3/25/75	9/25/75	9/28/75	3/27/26	5/22/76	81/10/6	3/27/76	20076	3/27/74	4/6/76	474.786	4/11/74	92/4/6	47/2/2	4/6/75
NO. OF SPICZES	4	3	4)	2	3	5	1	2	4	4	3	1	7	1	3	1	1	1	2	2	0	1	0	E.	i	D	c
- (Lave/botal)	1 -			1 4			 ./ _			6		-	, ,	<u> </u>	1 1	4	f.	1	1.	fridan	1 10	1 R	ϲ	1-	14	1	<u>†~</u>	+
NO. OF INDIVISING PER 10 cm ³ (Lave/total)	4644	99 4199	20 1613	3929	2776	2 26-4	12 2041	3 1209	2364	- 58 2367	6138	180 5864	3621	4504	76 1922	33 1750	209	417	9 157	Q 535	2 736	460	2 238	n 1	415	2 793	0 356	2 236
A m chapulitus filianeus '								-					-	-				_	-		7	8			-		1	×
A. dilatatus t	-				x		x	x	-									-			3	1	-					
Amenia beararti	-					-		x			Ŀ			<u> </u>		-		ļ		<u> </u>			<u> </u>	-	<u> </u>	1	<u>+</u>	
Annotice address C	<u> </u>		-		-		+				-	<u> </u>		-		-			x	x	50	4					2	
Anonoponezia necorrana a								x								Ļ	<u> </u>	<u> </u>	-			<u> </u>		<u> </u>		<u> </u>		
Cribaunnton h prhilintulun g	-		-	-	-	<u> </u>	6 - N	160 X											<u>+</u>		- 1-			Į	<u> </u>		<u>+</u>	
fice Lophrages (163) branz Landi	24:	24	10	17 X	x	40	1	-	75	24	r	×	x	-							-			-	z	169	×	-
Jadannino polyticna J		X.		1			-	-	-		-						-	1		-			<u> </u>	<u>}_</u> .		<u> </u>	-	
Miliannika juara 1			5	1.17	50 A	h.,	25	14			21	11	29-	1		23	100	100	100	18	50	42		h		+	42	47
Polyzacowielea L Spohalina			F -		-	É	-						<u> </u>	-	1		<u> </u>						-	-		<u> </u>	-	
Frotelphidium : orbiculare	-											-			-						-		-	-			-	
Quinquelantina L senéralum T	-				-	-				×	-	4						-										
Reophan nore:	-					-					-		-						\vdash		x	x	-		-	-	_	-
Tipheloocha uospeiratu L T	16	37	10	10	12	20	38	10	5	7	26	15	12	10 20	3 11	ə 20	25	9	2	4	0	20				11	4	4
Sepundametra inflata C	x				×	1	1	-	2	5	- 28 5	26		1		x	18	9	40	4	10	23				1	×	
2. maanskoons F	47	69 92	80	67 63	50	40	70	74	25	64	21 84	51 34	65 50	87	59 84	77	11	12	11	33	14	10	160	96	89	63	49	44

APPENDIX TABLES 2A, B

Foraminiferal occurrences at areal marsh stations 7-15, Chezzetcook Inlet: format same as Appendix Table 1.

and the second s		24	782	75.	78,	1742	762	74	202	7.	70.2	84,	842	NO 1	NB 7	8: 1 j	8r2	Nd1	Hd 7	141	30.2	981	-		- ×.		2	1 1	- j.,
DATK SAMPLED]	50	WIT.	17.1	E/FT	an a	њ/п.	82/NT.	5	NCAL.	2/11/2	3673	32/TE.	36/74	the second	11/3e	11.776	al T	11/26	1	NTC.	WTV	570	्र	11.75	12-11	192.IT	1.1	£. 11
W. The spectre		- 1 - 4	- <u>à</u> -		. <u>.</u>	1- a.		-	· 8	- je-		- ÷	-	-÷	وستجس	- - +	-÷;	-7-+	÷.	· # - 1	÷.		-7-+		÷ż.		i tim	+ 2	· * -
(1.1 vo/total)				1 2 1	+	F 6	1-2-1	- 2			6	6				7		-2-1			++	- - 1	. G	• ~~		÷-,	+ ;	1	
NO OF TROINING	131-		0	0	0	14	20	50	14	1	20	34	34	112	19	34	~~is i	42 1	11			c :		16	11-	- 6 -	÷	1 (- 1	1
TRE 10 CM	anto (11	11						100.01			17.10	1780	783		1000	16721	140 1	70 1	or 1	!	44.2		1.		1			÷.,
Have/totall				115 3	المشارية	8 140	1	6710	3437		1	1314	1000		-19	104	101.5	144					118		646	201	110	1 267	
differences					1.0	1 7	/											-+			i			-		L		i. 1	
di 1di di Sua	~ .			þ	pr			d			4				~~ ~ · · •				·	~ − i			·		<u>ــــــــــــــــــــــــــــــــــــ</u>	<u>_~</u> _		÷	
A. Ciarcur	-	- +		1 - 1	1 -	h	f 1	1	- +					+			j	÷	+							÷			
dama and a distance on	4	1		-												5	9	10	9 1					····		4	+	1	
Survey at City Decisions	In In				1	- X	. S		X	1						<u></u>	<u></u>	TIT	12						+				
American Relation	- L			4		4 - 2	1 1													. i						+		-	
	T+			÷			+	X		-h-u				-*					+	+			-	<u>x</u>	£	12.	4.2	1.8 -	X
Buccetta frigi	ia 1				+i	j- 4				aa								- 10 -	- 18-+				-					+ - 4	1.7 PK
ante parte					r		h 1			^	r. A						· Anni	- Sines	- "nut				-4170		÷	t	+	t —	
AZ-YONGP1 Hud				F	1	C. 1	-	· · · ·			1					1			- 1	t	l				t	1 .		1 C 1	
ireinonan on	L.					(4)]	55	56	53	67	45	25	.35	80	65	.43	18	76	73		_				L	i			
					است مغ	- è -	11	-ē	-2-1	-11	- 25	- <u>-</u> 2	h. to	- 12-4	-42-4	4.4	-2	-1i-	-21-+				m						
 Astropycom 		- 1		1	1	ې درې	+ i				. 15					- 1				- 4					1	j j	i	1	-
Bautroheamin	18								·····							• • • • •									t	÷	÷	+	
bung land?						h-v - ₹	+ +		· · · • •		~ ~ ~				. 1	+				+	ł			· · ·	- x	+	÷ —	t · – ł	
Notraina -	år								0	13	5	-	6					2		- 1							1	1. 1	-
mainsant				(<u>i </u>	<u> </u>		1		1			. 8						1	_ 1					1	1	1	Ľ _1	
Newsephaeransi	w L				1	4 J	<u> </u>		1		5				_ 1		6								1	<u>.</u>	i		
Philip:	T			j	أسمحه	h	<u>↓</u>		. ă.,	-11-	- 25				···	- × - +	<u> </u>		1						÷	t	1		
zolusiona	- 5	• · }		j	لہ ج	لـ وسغ	f			,						- 1	-		-+	- +								+ -+	-
111	T			r — I		59	45	40	- 15		28	- <u>A</u>	-17	10	75	10	21								+	+	+	· · · ·	765
ALL COMPLET 1/75	72 T	Sec.	50	42		36		92	95	42	40	64		82	85	24	35	22	18			1	5 1	Ť.	t-11 ·	42	1 54	1 45	- 1 A -
Provelphidium	6			1		1									2	16		- 6-1	-								- Codena	1	
orhickizee	I.			J		here and	-			- Á.,	·····				. X	1.1									_	<u></u>		+	
Circlana .	L	+		i sand	r		j. i								~ \$		1.00	-	- 4	- 1				pr - 24	t	+	· · · ·	+ - 1	
-uen Restornition			+	ŕ	pr				t			1	~ ~	~		+								·	÷		·	t -+	
and an inclusion	- to T			p		1		-	- <u>n</u>	-						x	X		+	1	~~ ·		~		-			† ~~	-
7114 190-60												6						·	+					14				• • • • •	
oumphinate			. 32		i	F. 1	<u> </u>					- i	- E			1			т., I	1	4	41	4		1.14	time	1.5	11 8 1	
Troutigrania.e.	L						Į]			1	- 1	_ [-				
seg ones				·	pr	اساقى ا	ا، گینیا						- 24					+			1.00	-		- <u>-</u> -	÷	·		4	
 maintene 				69	40	h	d		-			Y				}		+	,	- 1	-100-1	56	· and	22	1 100	10	1 10-	100	
Urmusing							÷							·	man can			winner	• • • • • • •		ind		.83		the s	1-32-	1.28-	1	- 19.
	21														1	1		- 1											

		· · · · ·		·	-			,	·	nç	· · · · ·			T				т	·		.	·			· · · · · ·		·			·					1		·				
STATION NUMBER	10.4	toa	2 106	2 1 2	262	¹⁰² 1	10e,	109	1042	1110	12142	115	1262	1101	1102	12.	120 2	7.50	1262	140	12c2	134	1342	135	1352	1271	13c ₂	140	14a2	:40	145	1401	140	234	150.2	2.001	1 255	2 3 5 1	15021	1.4 15	2
	14	36	18		2	8	2	E	18	36	ιę.	18	1.5	E	R.	18	3	31	18	12	5	12	18	2	18	2	1	Č.	Ιŝ	18	1.2	18	18	12	15	ιč.	15	1 E	· ¥ I		
DATE SAMPLED	17	13	12		7	8	1	2	18	18	12	8	18	12	12	1.8	18	1 ê	18	16	18	18	18	32	18	124	1.5	18	1 2	1.8	18	i Š	1.6	18	18	1		14	. 8.,	. <u>8</u> . 1	÷
NO OF SPECIFIC	to the	-3	+*		<u>a</u> +		<u>_</u> #	+ * •	+	1 0	+ - *	+	t- *	1.7	- #	1 7	7	+*-	4	0	17	1	+	15	12		17	+ 1	1-2-	1-2-	17	+	2	1-2-	+ * '		+	1-7	1	5-+7	{ -
(Live/rotal)	10	12	6	1	6 1	5	3	11	ti	1.5	Ť.	14	A	1.1	1.1	2	13	14	11	3	4	3	4	4	9	4	4	h	3	6	4	4	1	1.7	5	4	1.4	1 1		4	Ű,
NO. OF INDIVIOUNTS PER	1	1	1		2	0	ō	1	12	0	3	3	3	0	e	10	0	2	0	2	5	1	3	26	50	3	20	2	2	13	24	3 22		14	2	1.15	<u>_</u>	1.31	· · ·	12	1
10 cm (Live/total)	471	420	1 437	· ɔ·	93	115	(14	289	293	570	; 361	289	192	67	i n.	427	149	536	292	252	001	57	129	1460	1538	733	422	256	1022	649	415	675	819	857	631	178	1 251	472	324	i NR j 5°	54
Armed aprel Stern L				-t-			unit 11, pere	1		forme.	+	1	1	1	1				+	france			1	1	1							t:	1	1	1	T		-	1	· · · · · · · ·	
dil mano T		1 x	X.	-	X.			+			1			1			1	+	1					1				1	. 1		1	Į	÷	1	+			1 8	1 ×		
A. follaarus	free and	+	+					Ļ.,			j	4	ý		÷	÷			+	÷	÷			į	4 - 1		ļ., .	100	1 <u>50</u>	+		f	÷	1		4		÷			
	-+-	+		-+				+	+		+	+	+	+	+	<u>+</u>	+	+		·		forment.	-	1					1.2	÷	+	t	+	1-2-	*	T		+	1		
नेत्रकार्यन इत्याला हो 🙀		1	-	re denne sender a	_				+	+ name	1	-		1		1	1 -	1	1		I	T		L	1		1	L	i		Ļ	L	1		La ch	1 [']	1	Lan		i	
Americian Solator -	1	1 100	÷	-15	0			L	+	+	+	+	·	ļ	÷	÷.	+	+			+		+	÷.,	+			<u> </u>	1	j	÷	ţ	1	1-2	∔ ·,	+ •	÷ -	ł	1	1	
		+ +	-for de		A		- 1 -	t		- A	+-×	+				+		+	+		+	finter	+	+	+	f	+	+	<u>† </u>	÷	+		in a start a start a start a start a start a start a start a start a start a start a start a start a start a s Start a start a	÷ *	t 1 -	tr -	÷	1	1	·	
BRANDER TREAM		1	1						1	1	1	1				1			-			T		1							T	<u> </u>	1	1	L	Ĩ	Г.,	1	1	L. market	
Contropyriz L	h	+ .	·							1		÷			1		+ -	+ + + + + + + + + + + + + + + + + + + +		- ~							+				+	+		1			÷.	1			-
ezerntricus 7		+		-+				+	+			+	+	<u></u>	+		-	+	-	+	+	+	+		·		+	÷			+	+	+	÷	÷			-	÷	·	-
withtary r	a second second	-						÷ · ·	1-	1 -	t -	1	1	÷		1 -	†′ –	†= -	+ ~	1 -	+	1	-	- comme	1	-	t	1	1	1	i	1.	1		1	t.,	T_				
C. Hansbarur 6		-							-	1		abarr -							-	1	T	1		1	T	F 7	<u> </u>	<u> </u>		_		Į., .		1		T	-	·	,		
Cauta M	4—	+		-+-	. j				+	1		+	<u> </u>	+		+	+	·	+	÷	i	÷		+	1 30	÷ •	1 10	<u> </u>	·	1 10	+	+	1 76		÷	÷			,	i - georgeo	
toor assis T			-+	+-			× .			÷	+ •	+·	1	17	118	+	4 -		÷	+ : : *	11	+	1	1 13	+ 12	4	15	x	1	1 5	1 12	10	32	X	x	1 7	1 1	X	+	12 1	ùï.
Selentist		-		<u> </u>				1				Ļ.,	1	1			1	+				<u> </u>				ļ	-	4				-	1-		1	1	F				
andere mi		- 								+		+	<u>}</u>	+	÷	÷	+	- -	+	ł	+	÷	· +	+	+		<u>}</u>	<u> </u>	· · · ·	i	÷	÷			÷	÷		- <u>+</u>	ş	· · · ·	
Participation T				-					******	4	+	t	t-	÷~	f	+ -	<u>+-</u>	1		+~	+	+	+	·•• ·	+ -	t · - ·	+-	-			-	t	11	1.1	1 1	1	t ·	1.0		r †	
Jadamina L	1	1	1	1				1	1	1		1	1	1		1	1	1		1	1	-	-	1	1	1		-		1	I	1.		-		** ^	- <u></u>		1	i and	
porgetoma 7							_	Į		1	1	-	1		1	+		×.	-		+			-		·	+			+	+		÷	1 30	. 1			+	1	+ -+-	
RELEARNING JUNNE	1766	1	100					+	÷	1-0	+	÷	1100	·	÷	+	+	+	+	+	+	- 21	1 32	+	+		+	- 25	+	1-2	+	+	+	1 12	1 10	十品	1 8	-	1 12 -	1 2 1 -	×
Prote Inhidian C	free	nfinli		6- 1	ih.	-him	- dX-	fritter	-	er de	-in-du	+-2	÷.			+	+	+-	- false	+	+	1-44	-	- and			1	1		t-1	<u>†</u> .			+	1 _	T			1		0
orizmelare T		-	-	-				····· .		1	1	-			1	1	upun		-	1	1	F	1		1			Ļ.,	+	m.				÷		i Antonio ant	4			5 mp	
Protoschinte L	h	+		-+					+	÷			÷			á an an	4	+		+		<u>+</u>	-	4					i.	i	+ …	+	+	4		+ -		-		• • • • • •	
Quinqueloculina L	+ * **			-+-		-å		+	-	+	$^{+-}$	+	+	+	†~	+		+	+		+	+		+				+	+	÷	****	+	· •	-	÷	+	- torner ,		4		
serjaulus T		+		-				L.,	-		1	t_	1			1	-				1	1			1	* *		1	1	<u> </u>	1	1		.I	.L	1	-	-	÷		Ξ.
Téplurenceka b	-	1	1	-				1	33		1	1	1	1	1	1	1	+	1	1	1	1	33	1 10	1	1	-	1	1	1	1.4	+	+	1 1	+	+	+	23	25	- <u>.</u>	14
Plauchoning I	-l- 3	المعاوم	السلهما	4	16	-19	-12-	+-17	+	+12	174-	+ 40	432	1-2		+	+ 4	÷ 15	-+	14	+ e.	<u>+</u> ²-	-+ ^s -	1-16	÷	+ 10	+u	10	+	4 ¹	+ 21	12	1 10	1 11	110	+v		+-**	44	+ **	÷.
in Tata			-						+	11	+	1 21	21	+	t_{1}	+	+	+		<u>+</u>	+	+		1 -	+	+	t	2	1.1	+	1	fr	-	X	· t ·	<u>+</u>		11	Z		
T. mierensend	1				50			100	67	-	1	1 22	-		-	-	1	100	1	1	100	100	67	60	80	100	20			85	92	54	1 22	15	100	1 92	100	63	10	115	$\frac{79}{79}$
Vienal inte	1 32	14	- 62	-+	62	71	57	82	1 90	1 84	1 85	+ 37	45	1.85	1.60	1.99	1.95	85	- 89	1 85	90	+ 24	62	+ 70	64	1-84	+ 8C	- 53	47	1 80	60	1 69	1 34	4	+ 43	+ "	4-12	-+ #C	÷}	÷ "he	24
addenced V	ţ#~~~~~	+						1	+	+	+	+	t-	+	+ -	+ -	+	t	1 -	+ …	+	1	1	i		÷	÷	+		†	+ -	+	+			†	Ť		11.1	1 1	
CONTRACTOR OF A CONTRACTOR OF						ty		and inclusion of the	the second	and the second			_		Acres in the local division of the local div				the second second			and the second se		the second second	and the local second second second second second second second second second second second second second second			the second second second second second second second second second second second second second second second se		And in case of the local diversion of the loc						and some the second	and the second se	a contraction of the	Telephone and the second	A summer a state is a second	

APPENDIX TABLES 3A, B

Foraminiferal occurrences at areal marsh stations 16-20, 45-48, 56: format same as Appendix Table 1.

| | 57AT30

 | N NUME | IER | | 164
 | a ₁ 16a | 2 162 | P ¹ 161 | 2 1 | 6c1 | 1602
 | 1601 | 1642 | 17a ₁ | 17a2
 | 17b1 | 1762 | 17c1 | 1702 | 18a1
 | 1882 | 16b ₁ | 1852 | 1002 | 18c 2 | 198
 | 198 | 195 | 1 2.96 | 2 19
 | °1 | | 1941 | 194 | 2 | |
 | |

--
--|--|---
--|--|--|---|--
---|--|--
---|---|--|--
---	--	---	---	---
---	---	---	--	
--	--	------------------------	---	--
--	--			
	DATE S			

 | and let | 2 | | 31/52
 | 25/76 | 25/76 | 84.7% | | 522 | 51/98
 | 25/76 | 25/76 | 96/06 | 967.06
 | 307.16 | 3D/Je | 30/76 | 92./08 | 30/76
 | 30/76 | 91/02 | 30/06 | 94./QE | 30/76 | 30/75
 | 30/76 | 90/06 | 96/06 | 90/16
 | | 9//06 | 90/7E | 10,76 | | |
 | |
| | NO: OF

 | 1.55801 | es | | 10
 | 13 | 15 | 4 | | 2 | 2
 | | \$ | \$ | -
 | * | 3 | 5 | 2 | 3
 | 2 | 2 | 2 | 3 | 4 | 1
 | 1 | 1 | 1 |
 | - | 2 | | \$ | 4 | |
 | |
| | (Live/

 | (total) | | | 5
 | 5 | | 5 | | 5 | 5
 | 3 | . 5 | 4 | 3
 | 5 | 7 | - 7 | 8 | 4
 | 1 | 4 | 5 | 8 | 9 | 6.
 | 11 | 1.5 | ŝ | . 0
 | | -2 | 34 | 1.14 | - | |
 | |
| | NO. OF
10 cm ³

 | (UNDIN
(Live/ | /IDUALS
(total) | PRR | 0
 | 1 57 | 5 | | | 10 | 0
 | 12 | 14 | 1 | 15
 | 19 | 2 | 2 | 2 | 3
 | 4 | 14 | 2 | 2 | 5 | 13
 | 24 | 2 | 15 | 995
 | 6 1
2 1 | 252 | 186 | 183 | | |
 | |
| | Armoba

 | aulice | o dila | satus | L.
 | | | | | |
 | | 416 | |
 | 140 | | 101.0 | 1000 | 343.5
 | | 303 | | 100 | 000 |
 | | | + | -
 | 1 | | | ļ | | |
 | |
| | A. 102

 | іасень | , | | L
 | | 1 | | 1 | - |
 | | | |
 | | | - | - |
 | | | | 1 | |
 | | | | -
 | + | | | İ | 1 | |
 | |
| | Annoni

 | in beac | arii | | L .
 | | - | | | 1 |
 | | - | | -
 | | 1 | 12 | 14 | | |
 | | | 1 | 14 | - |
 | 1- | 1 | 1 |
 | - | | <u>s</u> . | 4 | 1 | |
 | |
| l | Astroti

 | im eat | leten | | т
L
 | | | - | - | | |
 | | | |
 | | | | |
 | | | | 1 | - |
 | - | | 1 |
 | | <u>×</u> | 5 | X | - | |
 | |
| | Ammun

 | wrate | music | | 2
 | × | _ | × | · | - |
 | | | | -
 | | x | 5 | 3 |
 | | - | 1 | 6 | 6 | 1
 | - | | 1 |
 | 4 | <u> </u> | | X | 1 | |
 | |
| | Proced

 | In Eni | aida | | T.
 | | | | | | |
 | | | |
 | | | | |
 | | | | X | |
 | | | + |
 | | | 4 | 6 | - | |
 | |
| | Cantas

 | | | | 1
 | | + | | | 1 | |
 | + | | |
 | | | | - |
 | | | | | |
 | | | |
 | | | 2 | - 2 | - | |
 | |
| |

 | | execution of the second | - | t
L
 | | | | | | |
 | | | x |
 | | | | |
 | - | | - | | F |
 | | | |
 | | | | | - | |
 | |
| | Orthers

 | NUMBER OF | 100.5%54 | | T
 | | - | | - | |
 | | | |
 | | | | |
 | | | | | 20 |
 | 1 | 100 | 40 | 62
 | , - | 65 | X
50 | X
57 | - | |
 | |
| | zerbi

 | licate | eluni - | | 7
 | | | | | - |
 | | | |
 | | | | |
 | | - | | + | X |
 | 4 | 1 | - A | 2
 | - | 18 | 31 | 28 | - | |
 | |
| | eas

 | tu No 2149
Satua tua | 1 20a9a | C10% | T
 | | + | | - | - |
 | | | |
 | | | | |
 | | | | | | -
 | | - | |
 | - | | | - | 7 | |
 | |
| | 221297

 | ryensie | | | 7
 | | | | - | | -
 | | | | | | |
 | | | | |
 | | | 1 | | 1 |
 | | | |
 | | | | | - | |
 | |
| | 21;719

 | igia co | | | -
 | | +- | | - | | -+
 | | - | | | | |
 | | | | |
 | | | 1 | - | 1 |
 | 1 | | |
 | - | | <i></i> | | •••• | |
 | |
| | U. ure

 | Maraza | 2 | | T
 | - | | | | | |
 | | | |
 | | | | |
 | | ļ | ţ | | 1 |
 | | | |
 | - | | ~ | - | | |
 | |
| | Eggerø

 | olla ad | livena | | 3
 | | 1- | 1 | 1 | |
 | | | |
 | | | | |
 | | t | | | | -
 | 1 | | - |
 | - | | ÷. | 6 | 1 | |
 | |
| | Giamos

 | opina g | ordiai | ie
 | T
 | | | _ | - | - | _
 | | - | | | |
 | • | | | |
 | | <u>+</u> | | + | |
 | - | | + | -
 | + | _ | | X | 1 | |
 | |
| | borpit

 | landi | | | T
 | 1- | | | _ | - |
 | 17 | 12 | |
 | | | | × | 30
 | 27 | <u> </u> | 3 | - | 1 | <u>t</u>
 | | 1 | - | -
 | - | | - | | - | |
 | |
| | Holeni

 | ina ana | iereoni | _ | ř –
 | | + | | | _ |
 | - | | |
 | | | | |
 | 1 | | | 1 | 1 |
 | | + | - | +
 | - | | 1 | 1 | 4 | |
 | |
| | brady

 | ri
ri | an craz | | 2
 | | | | _ | |
 | | | |
 | | | | |
 | 1 | | <u> </u> | | - |
 | 1 | | - | +
 | _ | | 3 | 3 | 1 | |
 | |
| | Judam

 | nina pe | lyston. | α | r X
 | | - | - | | x | x
 | | | | | |
 | | | | |
 | | | | 1 | |
 | X | | 1 | 1
 | | | 1 | 1 | _ | |
 | |
| | Milian

 | antina j | ñue <i>c</i> ra | | 7 4
 | 1.1 | 3 | 16 3 | 8 2 | ę. | \$
 | 12 | 5 | 1 | ß
 | 6 | ş | 29 | 26 | x
 | 1 | 13 | 12 | 43 | 60 | 50
80
 | 150 | 33 | 60 | 38
94
 | - | 75 | 20 | 47 | 1 | |
 | |
| | Postig

 | nelasíe | г сэтрэ | 0000 | 7
 | - | - | _ | - | - |
 | | | |
 | | | _ | |
 | | | | | 1- |
 | | - | - | -
 | | | | | | |
 | |
| | Protei
orbie

 | iphidii
rularo | er. | | 7
 | | | | | |
 | | | |
 | | | | |
 | | - | | | + | 31
 | - | + | - | +
 | -+ | 3 | 12 6 | 9 | - | |
 | |
| | Protos

 | ertiate | i finde | no | 7
 | | | | | _ |
 | | | |
 | | | | |
 | | | | - | | -
 | | | - |
 | | | | | _ | |
 | |
| 1 | ્રેપ્રાંગવ્ય
કરમાંગ

 | ielocul
tulum | lina | | L
T
 | | - | - | [| |
 | | | |
 | | | | |
 | | | | | - | -
 | | - | |
 | | | x | x | -1 | |
 | |
| | Peoples

 | ue nano | 2 | | T
 | | | | | | -
 | | | | | | |
 | | | | |
 | | | | | x |
 | | | - |
 | - | | | | - | |
 | |
| I | Tiphot

 | rooka | ompri | mgta | TN
 | 6 26 | | 25 | - | - | 33
 | 8 | 20 | 5 |
 | 8 | 17 | Ĥ | 10 | - 6
 | 6 | 7 | 26 | 6 | 20 |
 | | | × | -
 | - | - | | | 7 | |
 | |
| | Procha

 | mnina | inflat | a | 1
 | | 1 | 1 14 | _ | 45 | 46
 | - | 5 | |
 | 1 | | | , |
 | - | 18 | 56 | + 11 | E | 15
 | - 13 | 87 | |
 | - | | 4 | - · · | - | |
 | |
| | T. maa

 | 154.000 | C 27 | | E
T 6
 | 6 5! | 10 | 0 50 | | 30 | 37
 | 67 | 78 | 100 | 100
 | 200 | 100 | 100 | 44 | 100
 | 75 | 93 | 80 | 50 | 30 |
 | - | - | | -
 | - | - | | | 7 | |
 | |
| | S. anh

 | iradea | | | L
 | | _ | _ | | - |
 | - | | |
 | | | | 1 |
 | | 1 | 1 | - | 1 |
 | 1 | | | 1-
 | | - | x | | 7 | |
 | |
| | amuli

 | ina coe | pressa | | | |
 | | | _ | - | - |
 | | | |
 | | | | |
 | | | | - | | -
 | | 1. | | -
 | | | | 1 | 7 | |
 | |
| | Plankt

 | toniaa | | | L
 | | + | | - | | -
 | | | |
 | | | - | |
 | ļ | | ţ | + | | -
 | - | | - | +
 | | | | | - | |
 | |
| | 1

 | | | | | | |
 | | | | | |
 | | | |
 | h | | A | 1 |
 | L | | | | |
 | | | |
 | A | | | | _ | |
 | |
| |

 | | | | | | |
 | | | | | |
 | | | |
 | | | | |
 | | | | | |
 | | | |
 | | | | | | |
 | |
| |

 | | | | | | |
 | | | | | |
 | | | |
 | | | | |
 | | | | | |
 | | | |
 | | | | | | |
 | |
| |

 | , 20a. | 20a, | 205 | 206,
 | 20c1 | 200.2 | 458. | 45a., | 450 | 455
 | 460. | 46a | 446 | 465
 | 460 | \$60.2 | 460, | 466.7 | 46e,
 | 66e., | 475. | 47a., | 476, | 47b, | 470,
 | 47a, | 470, | 474. | ¢Rn,
 | 400 | . 48 | 6, 4 | ib, 4 | 18c,] · | 48c, [| 56m,
 | 568.2 } |
| STATION NUMBER |

 | 20a.1 | 20a2 | 205 ₁ | ²⁰⁶ ,
 | 20c1 | 20c2 | 458.2 | 45a2 | 45b | 455
 | 2 460 | 46a | 44b | 460
 | 460 | \$60.2 | 460, | 464.7
2 | 460.1
2
 | ste ₂ | 47a1 | 47a2 | 4701 | 476 ₂ | 470 ₁
 | 47q ₂ | 47a1 | 4742 | 48.e.1
29
 | 400 | ng 48 | b1 40 | 80.2 4
9 | 18c1 | 48c2 | 56m 1
 | 56m2 |
| STATION NUMBER
DATE SAMPLED |

 | 20a | 204.2
8-183 | 2051 94/41 | 206,
 | 20c1 | 20c2 | 458,1
9L/5/ | 45a2 | 451 9L/6/ | 15 N/W
 | 46 9(/9) | 464 91/91 | 45 9/9/ | 460 9./9/
 | 460 | 460 ge /9/ | 460,1 | 464, SC/9/0 | 45e1 91/9/2
 | 410 21/9/0 | 4781 91/9/0 | 47a2 95/4/6 | 470 - 9L/9/0 | 47b2 | 4701
91/9/
 | 4702
91/9/ | 4701 | 474 9L/9/ | \$8a1 94/9/
 | 401. | 48 | b1 40 | 4 2/9/ | 18c1 | 16/76 × 25 | 564 1 SUG
 | 568.2
27.0 |
| NATION NUMBER |

 | 20a 1
96.741/5 1 | 204 94/91/50 | 205-1 94/41/9~ | 206,
206,
 | 20×1 | 20c2
94/41/3 | 458,1
9c/6/0,1 | 45a 2 96/6/8 | 4 9L/6/3 | 53 9/2/8 N
 | 4 9(/9/6 4 | 46a 91/8/8 A | 450 91/9/6 5 | 40 9/8/6
 | 460 9//9/6 4 | 460 9L/9/6 N | 4601
90/9/65 | 464 SL/9/6 * | 46e_1 9L/9/8
 | 4€ 9//9/6 3 | 47a1 91/9/6 | 17a2 95/4/6 3 | 4 9/6/76 | 47b2 | 4701
91/9/6
9
 | 4702
91/9/6
6 | 47a1 9/./9/6 | 474 ₂
9£/9/6 | 48a1 94/9/6 4
 | 408 | 2 48
2 97/0/F | b1 94/9/6 | 9/6/76 | 18c1 | 45° 91/9/6 | 55 /SU/01
 | 568.2
/51/01 N |
| STATION NUMBER
DATE SAMPLED
NO. OF SPECIES
[Live/total]
BO. OF INDIVISIONLS | PER

 | 20a1
90
11
15
1
4 | 204.2
91/91/5
0 4 | 2067 | 206,
206,
207,
207,
207,
208,
208,
208,
208,
208,
208,
208,
208
 | 20c1
20c1
20c1
20c1
20c1
20c1
20c1
20c1 | 20c ₂ | 4541
95/35/8
2
126 | 45a,2
91/6/8 | 45h
91/6/69
108 | 45b 91/6/8 212
11 24
 | 2 464 | 46a
9:/2/0
3
4
3.84 | 46 9 5/9/6 5 0 210 | 46b 9(19)% 5 5 670
 | 460
9(3)/6 4
8
57 | 460.2
97.79.76
2
6
38 | 4641
90
90
90
90
90
90
90
90
90
90
90
90
90 | 4662
9(-3/6
4
5 | 4501
91/9/8
5
71
 | 4502
92/3/6
3
7 | 47a1
91/9/6
2
7
7 | 17a2
90,40
3
7
9 | 470 9L/9/6 m 2 49 | 47b2
92/30
5
8
902 | 47e ₁
9
3
13
1536
 | 4702
91/9/6
6 9
840 | 4741
4741
3
5
7 | 474 ₂
474 ₃
47/3/8
5
6
8 | \$8.4
9
3
4
6
12
 | 408.
91-22-0
5
6
37 | 48
2 48
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | b1 46 | 2 4 9/6/76 2 | 18c1 | 48c2 | 564 / 52/01 5 12
 | 568.2 SL SL 25 |
| UTATION HUMBER
UNTE SAMPLED
NO. OF NUMEYIONALS
ID of Juneyiotali
ID of Juneyiotal | PER

 | 20a.
20a.
1
1
4
555 | 2042
2/41/5
0 4
0 508 | 2051
9679175
 | 206 ₂
205
3
4
80
960
 | 20c1
25
5
2
9
71
1110 | 20c2
20c3
3
8
42
834 | 4581
90
2
3
126
908 | 45a2
95/6/80
1
2
499 | 45b
91/0/0
118
464 | 45b
92/6/9
2
12
94
591
 | 2 46a
9(/9/6
4
210
168 | 46a
9./2/8
3
9./2/8
3
1.84
1.750 | 95/9/6
5
5
210
1416 | 46b2
9(19/a)
5
5
670
2286
 | 460
97.3
3
4
8
57
195 | 460.2
97./9/6
2
6
188
144 | 46d1
9
1
2
3
2
3
2
2
2
2
3 | 46652
80533
6
8
8
8
8
7
11 | 4561
94/9/8
5
11
14
227
 | 562
9/3/6
3
7
27
295 | 47a1
91/9/6
2
7
7
7 | 47a2
96/4/6
3
9
36 | 4701
92/3/8
10
492
1366 | 47b ₂
\$
\$
902
1748 | 4701
91/3
3
1536
3456
 | 47c2
2
3
3
3
4
5
9
840
2216 | 47a1
473/5
3
5
7
38 | 474 ₇
474 ₇
4
5
6
8
5
6
8 | 48a1
9/3/6
4
8
12
260
 | 408.
2017
30
5
6
37
15 | 2 481
2 6 7
7 1
18 7 | b1 46 | 60-2 4
91/9/6
2 2
143 | 18c1 · | 49c2
9/0/0
6
4
10
28
731 | 5641
/57/92
5
12
297
 | 568.2
/51/01 2
28
370 |
| STATION THREER
DATE SAMPLER
NO. OF SPICIES
<u>Huleytotal</u>
NO. of INTERVISION
ID of INTERVISION
ID of INTERVISION | PER
}
2016 f

 | 20a1
90.74
1755
1 | 2042
92/191/0
0 4
0 509 | 2051
96/41/5 - 4
27
530 | 206)
8(-
7/3
3
4
69
960
 | 20c1
2
2
2
7
1
1110 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 4581
9
2
3
126
988 | 45a2
96/6/88
1
2
499 | 45b
9L/0/09
13
138
464
3
1 | 45b
91/5/0
2 12
04
591
 | 2 46a
9(/9/6)
4
210
1685 | 46a
9,/9
3
3
184
1750 | 46b
9(/9/6
5
2,10
1436 | 46b2
555
670
2286
 | 460
9/3/6
4
8
57
195 | 460.2
9.759
6
2
144 | 46d1
9
5
5
202
2230 | 46682
96/3/6
4
81
711 | 450-1
9-/3-2
3
11
14
227
 | 646 2
9
3
3
7
27
295 | 47a1
91/9/6
2
7
7
22 | 47a2 | 470 1
91/9/0 8 10
492
1366 | 47b ₂
#
5
8
902
1748 | 4701
9
13
1536
3456
 | 4702
30
4
4
5
6
9
840
2216 | 4741
4741
3
5
7
38 | 474
2
474
2
5
6
8
8
8
2 | \$8.4
2
3
4
8
12
250
 | 401
2
3
6
37
14 | 48
27
27
27
27
27
27
27
27
27
27
27
27
27 | b1 9k/9/6 9 1 | 6 2 91/9/6 37 22 34 | 18c1 1 | 48c2
95/9
6
10
28
731 | 564 / 52/01 5 12 297
 | 5682
51/01
2
26
379 |
| STATION THREES
DATE SAMPLES
NO. OF STUDIES
ILLUG/TOTALI
NO. OF INDIVIOUS
IN OF INDIVIOUS
IN OF INDIVIOUS
Amplementation
A. Articonesce | PER + 22004 - 2

 | 20a1
96.741/9
14
4
555 | 2042
92/31/50
0 4
0 505 | 2051
92/41/5
3
4
27
530 | 206)
206)
3
4
60
960
 | 20c1
25
2
2
9
71
1110
3 | 20c2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 458
2
3
126
308 | 45a2
95/8/30
1
2
54
499 | 45b
9L/0/0
13
138
464
3
1 | 45b
91/5/9
212
94
591
 | 2 46a
9(/9/6
4
210
1688 | 46a
9/4/6
3
9/1/6
1750 | 95/9/6
5
5
2,10
1436 | 460 2
9(19) 4
5
5
670
2286
 | 460
9
3
4
8
57
195
2 | \$60
2
38
144
1 | 4641
9
3
3
3
7
72
2230 | 46642
8(/39/6
4
1 81
2112
2112 | 45e1
#/3/8
5
11
14
227
 | 4fe2
9/9/6
3
7
27
195 | 4751
9(1)
9(1)
9(1)
9(1)
9(1)
9(1)
9(1)
9(1 | 17a2
\$5/4/6
3
3
36 | 475 1
92/9/0 8
10
492
1366 | 47b ₂
\$
\$
902
1748 | 47c1
9/3/6
9
13
1535
3456
 | 4702
2
9
6
9
840
2216 | 47a1
4/3/h
3 5
7
38 | 474 ₂
474 ₂
47,9/8
5
6
8
8
2 | \$88.1
9
3
3
4
8
12
260
 | 408.
2
2
3
6
37
14 | 48
47
48
4
7
18
7
19
19
19
19
19
19
19
19
19
19 | a1 46 94/9/6 9 1 | 60 2 3L/9/6 3 2 2 14 3 | 18c1
942 | 45c2
10
28
731
× | 564 1 /51/01 - 5 12 297
 | 56m2
/51/01
26
370 |
| STATION WINKER
DATE SAMPLED
NO. OF SPOCIES
INTERVISION
NO. OF INTERVISION
NO. OF INTERVISION
NO. OF INTERVISION
Ampublic deficies di La
A. Aid Carear
Ampunic devicartí | PER
}
2010# 1
1
1
2010# 2
1
2
2

 | 20a,
90,41/5
1
4
555 | 2042
92
93
0
4
0
508 | 2051
92/11/93
4
27
5.05 | 206 ₂
205
3
4
960
 | 20c1
2
2
2
2
2
2
2
1110 | 20c2
20c3
20c3
20c2
20c2
20c2
20c2
20c2 | 4581
9
7
8
126
928 | 45a2
56/8
1
354
499 | 45b)
91/10/00
20
138
464
3
1 | 45b
92,5/8/2
12
94
591
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 2 46a
9(/9/6
4 4
210
1636 | 46a
9;//2
3
0
1/84
1750 | 455
91/9/6 5 9
230
1430 | 468 2
5
670
2286
 | 460
92
73
75
4
8
53
125
2 | 460.2
9.7
30
38
144
1 | 4641
9
5
5
702
12300 | 4668 ₂
9(/9/6
4
81
711
711 | 45e1
9/32/6
5
11
14
2277
 | 4462
953
37
27
195 | 47a
1
2
7
7
27
7
4 | 47a2
95/4/6
3
7
3
36 | 475 1
96/9/0 5 0
492
1366
45 | 47b ₂
\$
5
902
1748
\$
54
35 | 4701
91/96
9
13
1536
3456
46
46
 | 47c2
9
9
840
2218 | 474
1
4
5
3
7
38 | 474 ₂
9 ⁴ /9/6
5
6
8
50
13
50 | 48m1
9/5/6
4
8
1.2
260
 | 40s | 48
48
4
7
1
1
1
1
1
1
1
1
1
1
1
1
1 | b1 46 94/9/6 9 1 1 200 | 80-2 4
91/9/6 2 2 3
14 | 18c1
9
13
32
942 | 45c2
19
19
10
20
731
X
28
4
1 | 5641
/St/01
5512
297
 | 5682
/S1/01
2
5
370 |
| STATION WHEER
DATE SAMPLED
DO OF REVELS
[]Jurg Cost]
DO OF INTERVISION
CONTRACTOR
ATTRACTOR
ATTRACTOR
ATTRACTOR
ATTRACTOR
ATTRACTOR
ATTRACTOR | PER
F
12du# 2
1
1
1
1
1
1
1
1
1
1
1
1
1

 | 20a | 204.2
%
0
0
505 | 20b1
96/11/3
3
4
27
530 | 206,
206,
3,
4,
60,
960
 | 20c1
2
2
2
7
1110
X
X | 20c2
3
8
42
834 | 4581
2
3
126
388 | 45a2
96/8/38 | 45b
97/0/09
13
138
464
1
1
x | 45b
92/5/80
212
94
591
27
24
591
27
24
 | 2 46a
9(/9/4
4
510
1685 | 46a
9;/9
3
6
384
1750 | 465
9(-9/6
5
2 10
1436 | 4652
5
5
670
2286
 | 460
3
4
4
8
57
125
2
8 | \$60
2
6
38
144 | 46d1
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 46682 9(./9)/6 4 65 191 711 711 711 711 711 711 711 711 711 | 45e1
8/39,8
3
11
14
227
7
7
1
14
16
 | stie ₂
3/6
3
7
195
1
4
32 | 47a
1
2
7
7
2
7
7
2
7
7
2
7
7
2
7
7
2
7
2
7 | 47a2
95/4/5
3
936 | 4701
91/9/6
8
10
492
1366
45
25 | 47b _z
*
*
*
*
*
*
*
*
*
*
*
*
* | 47c1
91/9/6
9
13
1536
3456
46
46
48
8
X
 | 4702
9
840
2216
1
355
29
2
2
3 | 47a1
47/3
47/3
38 | 47.47
47.47
5
6
8
92
8
50
50
13
12
6 | \$8.8.1
9
3
3
4
8
12
250
12
250
 | 40k | 4 48
9 10/2
18
7
18
7
19
19
19
19
19
19
19
19
19
19 | b1 91/5/6 | 6 9L/9/6 2 4 7 4 | 18c1
18
19
10
10
10
10
10
10
10
10
10
10 | 45c2
10
10
28
731
×
28
4
11
4 | 5641
/ 107
5
5
12
297
 | 56m2
/SL/OT 26
370 |
| 2787104 NUMBER
NATE SAMPLED
NO. OF BRVEIES
Iller tollow
NO. OF BRVEIES
Iller tollow
NO. OF BRVEIES
Iller tollow
In or instruction
of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil
demoly of the second fil | PER
}
2010# 5
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1

 | 20a1
92
41
555 | 20a2
92
94
0
4
0
505 | 2051
92/11/93
3 4
27
530 | 206 ₂
0
4
69
960
 | 20c1
2
2
2
2
2
2
2
2
1
1110
3
2
7
1
1110
3
3
2
2
2
2
2
2
2
2
2
2
3
2
3
2
3
2
3 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 4581
90/5/05
22
126
988 | 45a2
50
1
2
499 | 45b
92/0/00
108
464
3
1 | 45b
97,50
82
12
94
591
2
2
12
84
591
 | 2 46a
9(/9/6
4
210
168 | 46a
9/9/9
3
4
1750 | 45E
9(-9/6
5 0
2 10
1436 | 465
2286
 | 460
3
3
4
9
3
3
3
3
3
1
3
5
7
1
3
5
7
2
2
8 | 460
9
2
6
38
144
1 | 464 ₁
9
5
5
202
1230
1
1
7 | 46682
9(/3/6
4
5
1 81
712
81
712 | 46e1
8
10
14
14
227
1
14
26
 | 4502
3
7
27
195
3
4
4
27 | 47a1
91/19/6
2
7
7
27
7
27
7
27
7
26 | 47a2
50
3
7
9
36 | 475 1
92/9/6 10
49 26
45
10
45
11 | 47b ₂
*
5
8
902
1748
-
5
4
-
-
-
-
-
-
-
-
-
-
-
-
- | 47c1
91/9/6
9
15 36
34 56
46
40
8
X
 | 47c2
9
6
9
840
2218
1
355
229
2
2
2 | 47a1
4//9//6
3
5
7
38 | 47.4
yr
//3/6
5
6
8
5
5
6
8
5
6
5
6
8
5
6
8
5
6
8
8
5
6
8
8
5
6
8
8
8
8
5
6
8
8
8
8
8
8
8
8
8
8
8
8
8 | 48a1
94/9/6
4
5
12
260
 | 408.
2017-2/0
5
5
6
3
7
14
3
7
14
3
3
1
4 | | b1 46
9 1 1 | 60 2 9L/9/6 | 18c1
46
3
32
942
12
3
2 | 45c2
9/3/7
4
10
28
731
731
28
4
11
4 | 5641
/51/01
2 297
 | 56m2
/51/012
> 26
370 |
| 2787108 TUNAEN
LATE SHOPLED
DO, OF SWEITES
[Like/Late]
D, OF SWEITES
[IN OF LATE/LATE]
A. A. A. A. A. A. A. A. A. A. A. A. A. A | PER
}
202044

 | 20a | 20a2
95
95
95
95
95
95
95
95
95
95
95
95
95 | 2061
96/11/93
4
27
530 | 206,
3
4
60
960
 | 20c1
8
5
7
9
71
1110
8
8 | 20c2
3
8
42
834 | 4563
90
75
126
988 | 45a2 | 45h
9//0/
3
8
108
464
3
1 | 45b
9556
22
12
94
94
94
94
9591
22
23
84
94
94
94
94
94
95
91
92
92
92
92
92
92
92
92
92
92
92
92
92
 | 2 46a
9(/9/4
4
210
1586 | 46a | 2 465
2 30
2 30
1 4 36
 | 46b2
9(19)4
670
2286
 | 460
3
125
2 | 460.2
9.2
38
144
1 | 46d1
97
97
97
97
97
97
97
97
97
97
97
97
97 | 4666.2
9(/3/8
81
711
711
X | 46e1
8/32/2
3
11
14
2277
1
14
16
 | 610 2
3
3
7
27
195
3
4
32 | 4751
91/92/67
2
7
7
27
7
27
7
27
7
27
7
27 | 47a2
92/4/6
3
3
3
3
6
6
6 | 475 1
92/9/6 5 10
45 25
1 386
45 | 47b ₂
\$
\$
902
1748 | 47c ₃
9
13
15 36
45
45
8
X
2
45
45
45
45
45
45
45
45
45
45
 | 4702
2
3
4
3
5
4
5
6
9
840
2216
3
5
25
2
2
2
2
2
2
3
3
5
2
2
9
2
3
3
5
2
2
9
2
3
5
3
5
2
9
2
3
5
3
5
3
5
3
5
3
5
3
5
3
5
3
5
3
5
3 | 47a
5
7
38
1
5
7
38 | 47342
47342
47,4%
5
6
8
52
50
13
12
6
50
13
12
6 | 48n1
90
90
90
4
5
12
260
1
12
260
 | | Ay 48
2
2
3
3
4
4
1
1
1
1
1
1
1
1
3
8
8
7
1
2
5
5
6 | | 100 00 00 00 00 00 00 00 00 00 00 00 00 | 18c1 | 48c2
19
10
28
731
×
20
4
11
4 | 5641
N. 10
2
5
12
297
 | 56m2
/51/01/2
5 26
3.70 |
| 270130 MUMBER
LIATE SAMPLED
UD. OF DEVICES
III. MERICANAL
I. O. OF DEVICES
III. OF LAND/TOLAL
III. OF LAND/TOLAL
III. OF LAND/TOLAL
Amounts Lessartis
Amounts Lessartis
Amounts Lessartis
Amounts Lessartis
Amounts Lessartis
Amounts Lessartis
Amounts Lessartis
Interprets access | PER
}
22694
L
T
L
T
T
T
T
T
T
T
T
T
T
T

 | 20a1
9
9
4
555 | 20a2
9
7
7
7
7
7
7
0
9
0
505 | 2053
9
3
4
27
5)5 | 206,
206,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
 | 20c1
25
5
5
5
5
5
5
5
7
1
1110
1110
8
8
8 | 20c2 | 45s.
9.
2.
1.26
9.84 | 45a2
9
5
6
3
4
99 | 45b)
9//6/00
3
5
6
464
3
1
1
8
464
1
1
1 | 45b
955
22
122
94
591
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 2 46a | 46a
9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | 2 455
9 (976)
5 5
230
1436 | 445
5
5
670
2286
 | 460
3
3
4
9
57
135
2
2 | 46c2
97./97
2
6
38
144 | 4641
90
5
5
202
12300
1
1
7 | 464.7
2
3
3
4
8
1
81
711
711
8
8
8
8
8
8
8
8
8
8
8
8
8 | 456.1
87/9976
5
11
14
2277
7
7
7
14
26
 | 456
2
2
3
3
7
2
7
2
7
2
7
2
7
2
7
2
7
2
7
2 | 473a1
927
227
7
7
227
7
4
34
20 | 473a2
9
36 | 4751
92/9/6 510
492
1366
45
25 | 47b2
\$
\$
903
1748
\$
54
35 | 47c1
9
3
15
15
3456
46
48
X
X
 | 47a2
2
2
3
3
3
5
4
0
9
840
2
2216
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 474
474
3
5
7
38 | 479 ₂
479 ₂
5
5
6
8
8
5
6
8
5
6
8
8
5
6
8
8
5
6
8
8
8
8
8
8
8
8
8
8
8
8
8 | 48a1
9
3
3
4
4
8
12
260
 | 40h | Ay 48
4
2
3
3
5
5
5
5
5
6
6 | b1 44 | 652 4
9//9/6
14
14 | 88c1
4
5
3
9
9
2
2
2
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
3
2
3
3
2
3
3
2
3
3
3
2
3
3
2
3
3
2
3
3
2
3
3
2
3
3
2
3
3
3
3
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 45c2
19
10
28
731
8
28
11
4 | 564 1
5
5
12
297
 | 56m2
/51/01
× 26
370 |
| 2787138 NUMBER
LAFE SAMPLED
NO. OF BUILES
LILIENTOIL
19 OF ISSUES
LILIENTOIL
19 OF ISSUES
19 OF ISSUE
19 OF ISSUES
19 OF ISSUE
19 OF IS | PER
22 (146
 | 20a1
 | 20a2
95
97
0
0
508 | 2053
92.4133
4
27
530 | 206,
96,
4,
69,
960 | 20x1
9
9
7
1
1110
x
x |
20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 458.1
9
2
3
126
988 | 45a2 | 45h
91/6/03
5
5
136
464
3
3
1
 | 45b
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 2 46a
9 10
168
 | 46a
9,100
3
6
184
1251 | 2 465
9 5
9 230
1436
 | 4682
5
5
670
2286
 | 460
9
3
6
57
135
2
8
8 | 46c2
97.50
6
38
144 | 4641
969
969
969
969
969
969
970
100
11
11
7
7 | 4662
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 4561
1
1
1
1
1
1
1
1
1
1
1
1
1 | 4Ee2
3
3
7
27
295
3
4
32
4
32
4
 | 478,1
9(1)9(4)
7
7
7
7
7
7
7
7
7
22 | 47a2
\$C
\$
\$
3
3
3
3
5
6
6
6 | 4751
9(/3/8
1092
1366
492
1366
1 | 47b ₂
9
3
5
8
903
1748
 | 47c1
9
10
1536
3456
46
8
8
8
8
 | 4752
9
840
2218 | 478 1
478 1
478 1
3
3
5
7
7
38 | 479 ₂
9
5
6
8
92
8
8
50
13
112
6 | 488 1
9 - / 3/6
4
8
260
12
260 | 40k
 | A2 48 | | 6 2 4
9 -
9 -
9 -
9 -
9 -
9 -
9 -
9 -
9 -
9 - | 18c1
5
5
12
12
12
12
12
12
12
12
12
12 | 48c2
30
5
6
10
28
7
731
4
4
11
4 | 5664 1 1 2 2 97 1 2 97 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | 5882
17 £
26
170
 |
| 2747108 TURBER
LATE SHOPLED
TO OF REVIEW
[Like/Cost]
In of Tiste/Cost]
An of Tiste/Cost]
An of Tiste/Cost]
An of Tiste/Cost]
An of Tiste/Cost]
An of Tiste/Cost]
An of Tiste/Cost]
Support State
Tiste/Cost]
Support State
Children State
Tiste/Cost]
Support State
This State
Tiste/Cost] | PER > L2 (u# 2) U U U V T V T V T V V T V T V T V T V V T V T V T V

 | 20a,
90
20
3
4
4
555 | 20a2
P
1
2
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 2051
27
27
27
27
27
27
27 | 206)
4
60
960
 | 20c1
g
2
3
7
1
1110
x
x
x
x
x
x
x
x
5
9
7
1 | 20c2
20c3
20c3
3
8
8
42
834
8
8
42
834
8
8
42
834
8
8
42
834 | 45s1
9
2
126
988 | 45a2 | 45n
92/0/02
8.
108
464
3.
1.
x | 45b
955
00
22
12
04
591
2
2
x
x
x
x
x
x
x
x
x
x
x
x
x
x
x
x
x
 | 2 46a
91/976
4
4
510
1568 | 46a
9
3
9
194
9
194 | ¢ 465
¢ 5
¢ 230
1436 | 4482
555
670
2286
 | 46c
9
3
3
125 | 4662
96/99/6
2
8
1 | 46d1
9
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 466 2
2 3
3 6
4 8
5 7
1 81
711
2
8
8
8
8
8
8
8
8
8
8
8
8
8 | 45e1
45e1
5
5
11
14
227
7
14
14
14
14
14
 | 616 2
9/3
7
7
195
4
3
7
27
195
4
3
27
27
27
27
27
27
27
27
27
27
27
27
27 | 475, 1
91/92/6
2
7
7
7
2
7
7
7
2
7
7
7
2
7 | 47a2
5
5
7
9
36
6
6
6
6 | 4725
472
9
473
475
492
492
45
25
1
1
1
1
1
1
1
1
1
1
1
1
1 | 47b ₂
903
1748
 | 47c ₁
9
13
15
15
46
48
8
8
8
8
8
8
8
8
8
8
8
8
8
 | 47c2
22
55
25
22
22
2
2
2
2
2
2
2
2
2
2
2 | 47a
47a
47a
47a
5
7
38
5
5
28
5
5 | 479 2 4 1 2 2 1 2 1 2 2 1 2 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 2 1 | 4881
9
1
2
2
3
6
2
2
6
0
1
2
2
60
1
2
3
60
1
2
2
5
1
 | 408.
408.
14
5
6
37
5
6
37
5
6
37
5
6
37
5
6
37
5
6
37
5
6
37
5
6
37
5
6
37
5
6
5
6
6
6
7
5
6
6
6
7
7
7
7
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
8
8
8
8
8
8
8
8
8
8
8
8 | A2 48 | | 9 | 18c1
1
1
1
1
1
1
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
1
1
1
1
1
1
1
1
1
1
1
1 | 48c2
10
10
10
28
11
4
32
2
32
2 | 56m 1
2
5
112
247
 | 56m2
521/01
2
526
370 |
| PTATION RUMAEN
LIATE SAMPLED
DO. OF SOVIES
LIATE/SOLATION
DO. OF SOVIES
LIATE/SOLATION
AND AND AND AND AND AND
AND AND AND AND AND AND
AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND AND | PER
}
20 (ud 2
-
-
-
-
-
-
-
-
-
-
-
-
-

 | 20a_
92
33
4
4
555 | 20a2 | 2051
275
27
530 | 206)
4
60
960
 | 20c1
2
2
3
7
1
1110
x
x
5
9
7
1
1110
x
x | 20c2
20c3
3
8
42
834
8
8
42
834
8
8
42
834
8
8
42
834 | 45s1
9
2
3
126
988 | 45a2 | 45b
92/5/
3
3
108
464
3
1 | 45b
92
12
94
94
94
12
2
2
2
2
2
 | 2 46a
96/9/4
4
210
1590 | 46a | 2 445
9(-9-7)
2-5
2-5
2-5
2-5
2-5
2-5
2-5
2-5
2-5
2-5 | 4482
9494
555
670
2284
 | 8
8
8
8 | 46652
97/976
2
8
144 | 4661
9
5
5
5
202
12200
1
7
7
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7 | 466.2
9(.79/6
4
8
1 81
711
711
8
8 | 45e1
4/978
5
11
14
227
7
14
14
14
14
14
14
14
14
14
14
 | 64662
2
3
7
27
195
4
32
4
32
4
4
2
4
1
6
2 | 47a ₁
9 ¹ /3 ² | 47a2
5
5
7
9
3
22
6
6
6
6
11
11
11 | 475 1
9 (/3/6
10
492
45
25
1
1
85
25
1
1
25
1
25
1
25
1
25 | 47b ₂
903
1748
 | 47c ₁
9
15
15
15
15
3456
48
8
8
8
8
8
8
8
8
8
8
8
8
8
8
8
8
8
8
 | 47a2
90
5
9
840
2215
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 47a,
47a,
47a,
5
5
7
38
5
5
5
5
5 | 479 2 4 7 4 2 4 7 4 2 4 7 4 2 4 7 4 2 4 7 4 2 4 7 4 7 | 48a1
9
2
3
6
2
2
5
0
1
2
3
50
1
2
50
2
5
1 |
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
408.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409.
409. | 4 44
9 22
9 22
1 2
1 2
1 2
1 2
1 2
1 2
1 2 | | 92.24
92.39
37
222
34
34
34
34
34
34 | 18c1
2
3
3
5
3
2
9
4
2
-
-
-
-
-
-
-
-
-
-
-
-
- | 48c2
10
10
28
10
28
11
4
32
2
2
32
2 | 56m1
 | 56m2
521/01
370 |
| STATICS TOPOLOGY
LATE SAMPLED
TO OF STATE SAMPLED
TO OF STATE SAMPLED
TO OF STATE SAMPLE
Association of the State
Association of the State
Association of the State
Association of the State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State
State State State State State State State
State State State State State State State
State State State State State State State State
State State State State State State State State State State
State State | PER
PER
224548 2-

 | 2081
90
 | 20a2
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 2051
92/17/3 A
4.
27
530 | 2065
2065
3
4
69
960
 | 230c1
9
2
9
711110
X
X
X | 20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2 | 45s,
9
2
126
9
2
2
126
9
9
0
126
9
0
126
9
0
0
126
9
0
0
126
126
126
126
126
126
126
126
126
126 | 45a2
96767
113
5t
499 | 45b)
91/6/03
3.
106
464
3.
1
1 | 45b
9
2
12
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 2 46a
9 (.9 %)
4 4
1 580
1 580
 | 46a | 9 445
9 9 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 | 46b2
 | 8
8
8 | 46c2
97./1917
2
6
318
144 | 46d1
9
5
5
7
202
12220
1
1
7
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7 | 666, 9(1/9/6
8 8
1 81
211
211
X
X
57
7
7 | 45e1
8
1
1
2
4
2
2
2
2
2
2
2
2
2
2
2
2
2 | 6582
8/32
3
7
27
195
3
3
4
32
4
32
41
6
2
 | 47a ₁
9,5%
2
7
7
7
7
227
7
7
227
7
7
227 | 47a2
9
3
3
3
3
3
6
6
6 | 4751
92/375
10
4922
1366
45
25
1
1
8 | 47b ₂
9
9
9
9
9
9
9
9
9
9
9
9
9 | 47c ₁
9
15
15
15
15
15
15
15
15
15
15
15
15
15
 | 4702
0
1
5
840
2215
1
1
25
29
2
2
2
2
3
3
3
3
3
3
3
3
3 | 47a,
47a,
47a,
5
3
7
38 | 474 ₂
9
5
5
6
8
92
8
9
5
6
6
13
12
6 | 48a1
9/5/5
5
12
25
1
25
1 | 498
217-2/0
5
6
37
14

 | 4 48
9 /2076
4 47
7 1/
3 7
5
6
6
6
6
6
6
6
6
6
6
6
6
6 | | 902 4
91/90/6
7
7
22
3
4
4
4
3
1
4
4
1
9
1 | 48σ ₁
9
5
32
9942
3
2
5
5
7
8
6
7
7
8
6
7
7
7
7
8
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45c2
10
28
733
4
32
2
2
2
2
2
2
2
2
2
2
2
2
2 | 56m1
277
5
12
247
 | 56m2
 |
| PTATION TOMACA
INTE SAMPLED
NO. OF SIVELES
[Like/Cotal]
So. of NOVINDES
IN col Lame/Cotal
Amounts levensfil
Amounts levensfil
Amounts levensfil
Amounts levensfil
Amounts levensfil
Amounts levensfil
Amounts levensfil
Conferences
Conferences
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Contained and
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Conferences
Confere | PER
> 22006
12006
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000
1000

 | | 20a2 | 2054
92,141,35
 | 206,
5
4
60
960
 | 230c1
9
2
3
3
7
1
1110
x
x
x
x
x
x
x | 20c2
20c3
2
2
3
3
8
42
8
34
8
34
8
34
8
34
8
34 | 45% | 45a2 | 45b
96/6/09
33
5
108
484
3
3
1
2
8
108
484
4
8
4
8
4
8
4
8
4
8
4
8
4
8
4
8
4 | 45b
45b
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 2 46a
9 7 9 7 9
7 9 7 9
7 9 7 9
7 9
7 9
7 9
7 | 46a | 2 465
9 1436
5 5
230
1436
 | 448 2
5
5
670
2286
 | 460
9/26
4
125
2
5
5 | 46c2
9L/9/6
2
6
38
144 | 46d1
9
5
5
792
2230
1
1
7
7
7
9
7
7
9
7
7
7
7
7
7
7
7
7
7
7 | 6664,2
8(/9)6
8 8
91
7211
7211
8
8
8
8
57
7
7 | 45e1
P
V
V
V
V
V
V
V
V
V
V
V
V
V
 | \$ 56 0 2 3 3 7 . 2 7 195 | 47a,
22
7
7
27
7
27
7
27 | 47a2
9
3
3
3
3
3
6
0
0
1
1
1
2
2
6 | 4751
91/3
3
492
45
25
1
1
3
2
2
3
2
2
3
2 | 47b2
9
9
9
9
9
9
9
9
9
9
9
9
9 | 47c1
9
15
15
15
3456
46
48
8
8
8
8
8
8
1
1
1
1
1
1
1
1
1
1
1
1
 | \$752
\$255
\$6
9
8
40
2216
1
35
29
7
2
3
3
29
7
2
3
3
29
7
2
3
3
2
3
3
2
3
3
3
3
3
3
3
3
3
3
3
3 | 47a,
95,
73,
38,
5,
7,
38,
5,
5,
5,
28,
5,
2,
5,
1,
2,
5,
1,
2,
5,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
1,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2,
2, | 4742
94,143
55
56
8
52
50
12
6
50
12
6
50
12
12
2 | 48a1
9
2/3/6
4
6
12
280
280
280
280
280
25
1
 | | 47 48
9 /0///
1 1//
18 7.
33
5
5
5 | b1 91/9/6 9 1 1 1 | 92 4
92 4
7 22
3 4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4 | 48c1
5
5
5
5
5
5
5
5
5
5
5
5
5 | 44c2
10
28
4
28
4
28
4
32
28
4
4
4
32
2
2
2
2
2
2
2
2
2
2
2
2
2 | Sea 1
Mg
2
5
5
5
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
2
47
12
12
2
47
12
12
12
12
12
12
12
12
12
12
12
12
12
 | 50m2 |
| PTATION NUMBER
LATE SAMPLED
D. OF STATUES
I. (1990)
D. OF STATUES
I. (1990)
Annother and the statues
Annother annother a | PES
}
22506 5
2
7
1
2
7
7
7
7
7
7
7
7
7
7
7
7
7
 | 20a1
 | 20a2 | 205 ₃
27
535 | 206 y | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 20c2
20c3
2
2
3
3
8
42
8
34
8
34
8
34
8
34
8
34 | 45s,
9C,
72,
3,
126
958 | 45a2 | 450 j
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 45b
1 2
2 2
2 2
2 2
2 2
2 2
2 2
2 2 | 2 46a
9 (1997)
4 4
5 (1997)
1580
1580
1580
 | 46a | 2 465
9
9
9
1436
 | 44552
 | 460
9/26
6
4
9
7
7
125
7
2
8
8 | 465c2
97/9/6
2 e
38
144 | 4661 | 466,2
9(2)3,8
4
1 81
7311
7311
731
7
7
7
7
7 | 4561
94/9/6
3
14
297
14
14
14
14
14
14
14 | \$ 56 0 2 3 3 7 2 7 195
 | 47a1
91/92/6
2
7
7
22
7
7
22 | 47a2
85
5
3
3
9
36
6
6
6
6 | 4751
96/30
10
455
25
1
1
1
3
2
2
1
3
3
2
2
3
2
3
2
3
2
3
2
3 | 47b ₂
g
y
3
5
e
902
1748
 | 47c1
9
13
15
15
3456
46
48
X
X
X
1
1
 | \$752
\$255
\$6
\$6
\$80
\$2216
\$
\$2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 47a,
47a,
47a,
47a,
3
5
7
38
5
5
28
5
 | 473 y 473 y 473 y 56 5 5 6 6 8 52 5 6 5 6 5 1 1 1 2 5 6 5 1 1 2 2 5 6 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | \$Rn_1
9
5
6
1
2
3
5
1
2
3
5
1
1
2
5
1 | 400.
27.
24
5
5
6
37
14
2.
2
5
5
5
5
5
5
5
5
7
14
1
5
5
5
5
7
7
24
7
7
24
7
7
24
7
7
7
24
7
7
7
24
7
7
7
24
7
7
7
7
 | 48
9
9
1
2
1
2
1
1
1
1
1
1
1
1
1
1
1
1
1
1 | | | 10c1
5
5
5
5
7
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
2
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3 | 44c ₂
i2/9/6
6
10
28
4
29
4
4
32
2
2
2
2
2
2
2
2
2
2
2
2
2 | Sea 1
Mg
S
S
S
S
S
S
S
S
S
S
S
S
S |
5682
55.001
25.001
25.001
26.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001 |
| PARTON NUMBER
UNT SAMPLED
UNT | PER
> 22/04 5

 | 20a1
 | 20a2 | 205 ₃
27
535 | 206-5
206-5
3
4
60
960 | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
30
55
53
8
8
42
8
34
*
*
 | 45s,
9C,
72,
3,
126
988 | 45a2 | 450 j
2 5 5
3 5
1 1 8
4 6 4
3 1
3 1
8
8
8
1 1 8
4 6 4
5
1 1
8
8
8
1 1 8
9
8
8
1 1 8
9
8
1 8
9
1 8
1 8
1 8
1 8
1 8
1 8
1 8
1 8
1 8
1 8 | 45b
22
12
94
94
94
94
94
94
94
94
94
94 | 2 46a
9 19 3 3 4
4 4
5 10
1 566
7 4
7 4
7 4
7 10
7 10
7 10
7 10
7 10
7 10
7 10
7 10
 | 46a
9,260
3
9
0
184
0
1750 | 2 466 J | 44552 | 460
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
 | €65c2
97./9/67
2 €
38
148 | 4661 | 466.2
9(2)326
4
1 81
711
711
8
8
8
8
57
7
7 | 4561
46/976
5
14
227
7
7
7
7
7
7
7
7
7
7
7
7
7 | 456,2
9/3/6
3
7
27
195
4
4
32
4
4
4
2
41
6
2
 | 47a1
91/92/6
2
7
7
7
22
7
7 | 47a2
50
50
50
50
50
50
50
50
50
50 | 4751
96/9/0
33
10
452
21
10
452
21
1
1
1
1
3
2
2 | 47b ₂
9
9
9
17
4
 | 47c1
9
13
15
15
15
15
15
15
15
15
15
15
15
15
15
 | 47c2
9
8
8
8
1
1
35
39
8
8
8
1
1
35
32
2
2
3
3
2
2
3
3
3
3
3
3
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 4791
4791
4791
4791
4791
5
5
5
5
5
5
5
5
5
5
5
5
5 | 473 y 473 y 473 y 56 5 5 6 8 52 5 5 6 8 52 5 5 6 1 1 1 1 2 2 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 | \$Rn_1
9
5
3
3
5
3
5
3
5
5
1
2
5
5
1
1
2
5
5
1 |
400.
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017
2017 | A 2 48 | | 662 4
9/-/9/6
7
22
24
24
3
7
22
24
24
3
7
22
24
24
3
7
22
24
24
3
7
22
24
24
3
7
7
22
24
24
3
7
7
22
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
24
24
3
7
7
7
24
24
3
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 48c1 1
2
3
3
3
2
9
9
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
2
1
2
2
1
2
2
1
2
2
2
1
2
2
2
1
2
2
2
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 43c2
10
10
28
731
×
28
4
4
4
4
4
5
6
7
10
28
4
4
4
5
6
7
10
10
10
10
10
10
10
10
10
10 | Stat
 | 5882
52.001
25.001
25.001
25.001
26.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001
2.001 |
| 2781100 MORELS
INTE SAMPLED
NO. OF SIVELES
[Like/Cotel]
DO. OF SIVELES
[Like/Cotel]
DO. OF SIVELES
[Like/Cotel]
DO. OF SIVELES
INTERNATIONAL SAMPLES
INTERNATIONAL SAMPLES
AMPLESSIVE AND AND AND AND
AMPLESSIVE AND AND AND AND
AMPLESSIVE AND AND AND AND AND
AMPLESSIVE AND AND AND AND AND
AMPLESSIVE AND AND AND AND AND AND
AMPLESSIVE AND AND AND AND AND AND AND
AMPLESSIVE AND AND AND AND AND AND AND AND AND AND | PER
)
20 fuel
L
L
L
L
L
L
L
L
L
L
L
L
L

 | 20a,1
90
255
4
4
555 | 20a2 | 205 ₃
27533
535 | 206)
206)
3
4
60
960
 | 23x1
8
2
2
3
7
11119
3
8
8
8
8
9
9
9
9
9
9
9
9
9
9
9
9
9 | 20c2
30
5
5
3
8
42
834
*
* | 458.1
9
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45a2 | 45n
92/6/0
3
6
178
464
3
1
1
464
3
1
1
1 | 45b
952
22
22
22
22
22
22
22
22
22
22
22
22
2
 | 2 46a
9 19 37
4 4
5 10
1599
7 19
7 19
7 19
7 19
7 19
7 19
7 19
7 | 46a
9,260
3
184
1750 | 2 465 | 465 2
 | 460
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 46cc2
97/3/6
38
148 | 4661
9
5
5
6
792
12300
1
7
7
1
7
7
1
7
7
8
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4665 2 9(.) 9/6 4
4 5
1 81
2 311
2 31
2 31 | 4561
5
14
227
14
24
14
14
14
14
14
14
14
14
14
1 | 456,27
9,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
195
1,27
1,27
1,27
1,27
1,27
1,27
1,27
1,27
 | 47s, 1
22
7
7
22
7
7
22
2
7
7
22
2
7
7
22
2
7
7
7
22
2
7
7
7
7
7
22
7
7
7
7
22 | 47a2
9() 4/6
3
3
9
34
6
6
6 | 47b 1
9(/3/3
492
45
25
1
1
8 | 47b ₂
9
9
902
1249
 | 4703
9E/926
9
13
1556
3456
X
X
X
X
X
X
X
X
X
X |
47c2
9
8
8
8
1
1
35
39
8
8
8
1
2
2
3
3
2
2
3
3
2
2
3
3
3
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 4791
4791
4791
33
3
5
5
5
5
5
5 | 479 ₂
4
5
5
6
8
52
5
5
6
8
52
12
5
5
5
6
8
9
5
6
8
9
12
5
5
6
8
9
12
12
5
5
6
8
9
12
12
12
12
12
12
12
12
12
12 | 48a1
9
25
12
260 | 498.
25
5
6
37
14
3

 | Ay 48 | | 9//9/6
37
22
34
34
34
34
34
34
34
34
34
34
34
34
34 | 48c1
2
3
3
3
3
9
9
4
2
3
2
3
2
3
2
3
2
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
3
3
3
3
3
2
9
4
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 45c 2
10
10
28
4
28
4
4
28
4
28
4
28
28
4
28
28
4
28
28
4
28
28
28
28
28
28
28
28
28
28 | 564 k | 5 5 28
5 28
5 29
5 20 |
| 2747138 NUMBER
LATE SHOPLED
DATE SHOPLED
DATE SHOPLED
ILLEY CONTINUES
IN OUR SPECIFIC
ILLEY CONTINUES
IN OUR SHOPLED
A filderene
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arrenopartel
arre | PER
22 (54 - 2

 | 20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a,
20a, | 20a2
9
9
1
1
2
1
2
2
2
2
2
2
3
2
3
2
3
505
2
3
505
2
3
2
3
505
2
3
505
2
3
505
2
3
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
505
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
50
2
5
50
2
5
5
5
5 | 20051
92 4
3 3
3 3
5 3 5
5 4
5 5
5 5
5 5
5 5
5 5
5 5
5 5
5 5
5 | 206,
4
69
960
 | 23x1
8
2
2
3
7
11110
3
X
X
X
X
59
9
9
9
9
9
9
9
9
9
9
9
9
9 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 458.1
9
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45a2 | 45n
92/6/93
3
178
464
3
1
1
1 | 45b
90
90
90
90
90
90
90
90
90
90
90
90
90
 | 2 46a
4 5
210
168 | 46a
9
3
6
184
175
1
184
175
184
175
184
175
184
175
184
175
184
175
184
184
175
184
184
185
184
185
184
185
185
185
185
185
185
185
185
185
185 | 2 445
3 3
5 5
2 30
1436
3
3
2 30
1436
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 1 468 2
5 5
670
2286
 | | 466c2
97/1976
2
6
188
144 | 4661
9
5
5
6
792
1230
1
7
7
6
7
7
6
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4665 2 9(.) 9/6 4
4 5
1 81
2 311
2 31
2 31 | 45e1
8
8
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 4 te e 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
9 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to
2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 to 2
10 | 47s, 1
92, 22
7, 7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47a2
9(4)6
3
9
36
3
9
36
6
6 | 47b 1
9(/3/3
492
45
225
1
8 | 47b ₂
9
9
902
1249
 | 470 ₃
9£/976
3
1535
45
3456
X
X
X
1
X
X
1
X | \$702
905
580
9840
2216

 | 478
1
2
3
7
3
8
7
3
8
7
3
8
7
3
8
7
3
8
7
3
8
7
3
8
7
7
3
8
7
7
3
8
7
7
3
8
7
7
8
7
8 | 473 2 4
473 2 5
5
6
8
52
6
8
52
6
12
6
6
12
12
6
12
12
12
12
12
12
12
12
12
12 | 48a1
9/3/6
4
12
260 | 498.
2
5
6
3
7
14
5
6
3
7
14
5
6
3
7
14
5
6
3
7
14
5
6
6
3
7
14
5
6
6
6
6
6
6
6
6
6
6
6
6
6
 | Ay 48 | | 92/30/6
31
32
32
34
44
3
44
3
44
3
4
4
4
4
4
4
4
4
4
4
4
4
4 | 88c1
1
5
32
942
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
2
1
2
1
2
1
2
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 48c2
9/9/6
10
10
28
29
11
11
4
32
2
2
11
11
4
32
2 | 564 1 37 55
5 12
2 297 | 5 m22
5 28
3 700
2 28
3 700
1 1
1 1
1 1
 |
| PTATION INMAEN
LATE SAMPLED
LATE SAMPLED
ID OF ESSIVES
ID OF INTERNATIONAL
ID OF INTERNATIONAL
ID OF INTERNATIONAL
ID OF INTERNATIONAL
ID OF INTERNATIONAL
A. A. (J. Gamma Construction
American II and II and II
American II and II
American II and II
American II and II
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIO | PRR 2 72/04 2 1 2 1 2 1 2 1 1 1 2 1 1

 | | 20a2
9
7
7
7
8
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 20051
92 4
7 7
5)55 | 206,
4
60
960
 | 20c1
R
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 45s1
9
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45a2 | 45h | 45b
92
124
591
12
12
12
12
12
12
12
12
12
12
12
12
12
 | 2 46a
4 5
210
168 | 46a
9
3
6
184
175
184
175
184
175
184
175
184
175
184
185
184
185
184
185
185
185
185
185
185
185
185
185
185 | 2 445
3 3 3
5 | 46852
55
670
2286
 | 8
8
8 | 466c2
97/1976
2
6
188
144
1
1 | 4661
9
9
9
9
9
9
9
8
8
12020
1
1
1
7
7
8
8
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 466.5
57
57
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45e1
45e1
5
5
14
227
7
14
14
14
14
14
14
14
14
14
14
 | 4 5 6 2 3 3 5 6 5 7 7 2 7 2 7 2 9 5 3 6 7 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 | 475,
9,192,
27,
7,
27,
7,
27,
4,
1,4,
26,
9,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,192,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,
19,194,194,194,194,194,194,194,194,194,1 | 47a2
9
22
6
6
6 | 475 1
9 (2)3 (6) 5
10 2
1 3 (6) 5
10 2
1 3 (6) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) 5
1 3 (7) | 47b ₂
g
g
g
g
g
g
g
g
g
g
g
g
g | 47c ₃
9C/3/3
9
15
15
15
15
15
15
15
15
15
15
15
15
15
 | \$702
905
58
58
58
58
52
52
52
52
52
52
52
52
52
52 | 470 1
470 1
5
3
7
7
3
5
5
5
5 | 47342
9 (2)
5 5
6 8
8 2
5 12
5 6
8 2
13
12
2
2
2
2
2
2
2
2
2
2
2
2
2 | 48a1
9
2
3
2
2
2
4
2
2
4
2
2
4
2
2
2
4
2
2
2
2 |
 | 48
47
47
47
47
47
47
47
47
47
47 | | 92 4
92/39 6
3
7
22
22
24
4
4
3
 | 88c1
2
2
3
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
3
2
3
3
2
3
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 48c2
9
1/9/6
6
10
28
29
11
4
4
32
2
2
11
4
4 | Star 1
Star 1 | 56.82
57.2
5
5
5
5
5
5
5
5
5
5
5
5
5
 |
| PATIS STREET | PER 12/100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

 | | 20a2 | 2051
92
73
73
75
75
75
75
75
75
75
75
75
75
75
75
75 | 206;
•
•
•
•
•
•
•
•
•
•
•
•
•
 | 20c1
8
2
2
3
7
1110
X
5
5
9
 | 20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2
20c2 | 45s1
975
126
1968 | 45a2 | 45h | 45b
25
27
20
27
27
27
27
27
27
27
27
27
27
 | 2 46a
9 9/3
4 4
2 100
1597
4 5
2 0
1597
100
100
100
100
100
100
100
100
100
10 | 46a
9/10/00
104
104
104
105
104
105
104
105
104
105
104
105
105
105
105
105
105
105
105
105
105 | 2 445
9 445
2 5
2 30
1 4 36
2 30
1 4 36
2 30
2 30
2 30
2 30
2 30
2 30
2 30
2 30 | 1 468 2
3 5
670
2236
 | 46c2 | 4662
91/1976
2 e
188
14 | 4661
9
9
1
3
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 466.2
9 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 (2)
8 | 4561
4561
4581
4582
3
24
24
24
227
1
14
14
14
14
14
14
14
14
14
 | 446 2
95 3
7
27
195
2
4
4
22
4
4
2
2 | 4751
9/30/6
27
7
7
22
27
7
7
22
20
20
20
20
20
20
20
20
20
20
20
20 | 47a2
9()
22
6
6
6
6
11 | 475 1
90,936 5
10
452
1366
452
1366
1
1
1
1
2
7
7 | 47b ₂
g(
y)
y)
s
e
902
1249
 | 47c ₃
9/3/3
9/3/3
9/3/3
9/3/3
9/3/3
9/3/3
1535
3456
46
45
45
45
3456
3456
3456
3456
 | 4702
2
3
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
2
2
3
5
5
5
5 | 479 ₄
479 ₄
5
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
7
38
7
7
38
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47342
9
5
5
6
8
52
5
5
6
8
52
5
5
5
5
5
6
8
5
5
5
5
5
5
5
5
5
5
5
5
5 | \$8841
9
5
5
5
2
2
4
5
5
2
2
5
5
3
4
5
5
2
5
3
4
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
 | | | | | 1865
1
1
1
1
1
1
1
1
1
1
1
1
1 | x x 28
10
12/9/6
10
228
11
4
32
2
2
2
4
11
4
32
2
2
2
2
2
2
2
2
2
2
2
2
2 | Star 1
35 m 1
5
5
12
247

 | 5%%2 |
| PTATION INVERTIGATION INVERTIGATION INVERTIGATION INVERTIGATION IN CONTRACTORIALI INVERTIGATI | PER 32 ford \$\frac{2}{2}\$ 12 13 14 14 14 14 14 14 14 14 </td <td></td> <td>20a2</td> <td>2051
90
27
535</td> <td>206;
•
•
•
•
•
•
•
•
•
•
•
•
•</td> <td>2364
9
9
71
1113
8
9
71
1113
8
8
8
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9</td> <td>20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3</td> <td>45s,
9
2
3
3
126
9
568</td> <td>45a2</td> <td>45b1
9256
8
178
464
3
1
1
8
464
3
1
1
8
464
3
1
1
8
4
6
4
1
8
4
6
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
1
1
8
1
1
8
1
1
1
1</td> <td>45b
25
27
27
27
27
27
27
27
27
27
27</td> <td>2 46a
9 9/3
4 4
2 100
1159:
</td> <td>46a
9/10/00
104
104
104
105
104
105
104
105
104
105
104
105
104
105
105
105
105
105
105
105
105
105
105</td> <td>2 445
9 (1976)
5 5
2 300
1 4 3 6
7
7
7
7</td> <td>448</td> <td>2 46c2</td> <td>46502
98/3/1/1/2
2
2
3
3
3
3
3
4
4
4
4
4
4
4
4
4
4
4
4</td> <td>4661
9
2
2
2
3
5
5
5
5
5
5
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
2</td> <td>466.2
9(2)%
4
9)
7)11
7)1
7)
7
7
7
7
7
7
7
7
7</td> <td>456.1
201928
5
5
5
5
5
5
5
5
5
5
5
5
5</td> <td>446 2
95 3
7
27
195
2
4
4
22
4
4
2
2
4
1
5
5
7
7
7
7
27
195
2
7
27
27
27
27
27
27
27
27
27
27
27
27</td> <td>4751
9/30/6
7
7
7
22
7
7
4
4
26</td> <td>47a2
9
3
22
6
0
14</td> <td>475 1
9(-3/6 - 3/2)
1366
1386
1386
1386
1386
1386
1386
1386</td> <td>47b2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$</td> <td>47c1
9.53
39
13
1536
3456
46
46
32
3
3
3
3
3
3
1
5
1
5
3
5
5
6
3
45
5
8
3
2
3
3
3
3
5
5
6
5
3
45
6
5
3
45
6
5
3
45
6
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8</td> <td>4702
2
8
8
8
1
2
2
5
5
2
5
2
2
5
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
5
5
5
5</td> <td>479 4
9 5
7 3
38
3
5
5
5
5</td> <td>479₂
g
y
5
6
8
92
5
6
12
6
12
2
12
12
12
12
12
12
12
12</td> <td>\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td> <td></td> <td></td> <td></td> <td></td> <td>8863
1
1
1
1
1
1
1
1
1
1
1
1
1</td>
<td>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</td> <td>Sea 1
M 2
3
5
12
247
</td> <td>5442</td>
 | | 20a2 | 2051
90
27
535 | 206;
•
•
•
•
•
•
•
•
•
•
•
•
•
 | 2364
9
9
71
1113
8
9
71
1113
8
8
8
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3
20c3 | 45s,
9
2
3
3
126
9
568 | 45a2 | 45b1
9256
8
178
464
3
1
1
8
464
3
1
1
8
464
3
1
1
8
4
6
4
1
8
4
6
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
4
1
8
1
1
8
1
1
8
1
1
1
1 | 45b
25
27
27
27
27
27
27
27
27
27
27
 | 2 46a
9 9/3
4 4
2 100
1159:
 | 46a
9/10/00
104
104
104
105
104
105
104
105
104
105
104
105
104
105
105
105
105
105
105
105
105
105
105 | 2 445
9 (1976)
5 5
2 300
1 4 3 6
7
7
7
7 | 448
 | 2 46c2 | 46502
98/3/1/1/2
2
2
3
3
3
3
3
4
4
4
4
4
4
4
4
4
4
4
4 | 4661
9
2
2
2
3
5
5
5
5
5
5
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
3
7
2
2
2
2 | 466.2
9(2)%
4
9)
7)11
7)1
7)
7
7
7
7
7
7
7
7
7 | 456.1
201928
5
5
5
5
5
5
5
5
5
5
5
5
5
 | 446 2
95 3
7
27
195
2
4
4
22
4
4
2
2
4
1
5
5
7
7
7
7
27
195
2
7
27
27
27
27
27
27
27
27
27
27
27
27 | 4751
9/30/6
7
7
7
22
7
7
4
4
26 | 47a2
9
3
22
6
0
14 | 475 1
9(-3/6 - 3/2)
1366
1386
1386
1386
1386
1386
1386
1386 | 47b2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 47c1
9.53
39
13
1536
3456
46
46
32
3
3
3
3
3
3
1
5
1
5
3
5
5
6
3
45
5
8
3
2
3
3
3
3
5
5
6
5
3
45
6
5
3
45
6
5
3
45
6
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8
 | 4702
2
8
8
8
1
2
2
5
5
2
5
2
2
5
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
3
2
2
3
5
5
5
5 | 479 4
9 5
7 3
38
3
5
5
5
5 | 479 ₂
g
y
5
6
8
92
5
6
12
6
12
2
12
12
12
12
12
12
12
12 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
 | | | | | 8863
1
1
1
1
1
1
1
1
1
1
1
1
1 | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | Sea 1
M 2
3
5
12
247

 | 5442 |
| PTATION THEMETER
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
LATE SAMPLED
ATTAINATION AND AND AND
ATTAINATION AND AND AND
ATTAINATION AND AND AND AND
ATTAINATION AND AND AND AND
ATTAINATION AND AND AND AND AND
ATTAINATION AND AND AND AND AND
ATTAINATION AND AND AND AND AND AND
ATTAINATION AND AND AND AND AND AND AND AND
ATTAINATION AND AND AND AND AND AND AND AND AND AN | PES

 | | 20a2
9
0
305
305
305
305
305
305
305
305
305
3 | 2051
90 VI
27
535 | 2065
2065
4
60
960

 | 20c1
g
2
2
2
2
7
1
1110
x
x
5
5
5
9
9
9
9
1
1
1
1
1
1
30 | 20c2
%
5
5
5
5
5
5
5
5
5
5
5
5
5 | 45s1
9
2
3
3
126
966 | 45a2 | 45b1
9255
33
178
464
3
1
1
8
8
178
464
3
1
1
8
8
178
4
64
3
1
1
8
8
178
4
8
178
4
8
178
4
8
178
178
178
178
178
178
178
178
178
1 | 45b
900
900
900
910
94
94
94
94
94
94
94
94
94
94
 | 2 46a
9 4/4
4 4
4 4
5
168
1
9
1
9
1
9
1
9
1
9
1
9
1
9
1
9
1
9
1 | 46a
9
194
194
175
175
175
175
175
175
175
175
175
175 | 2 445
9 49 47
2 40
14 16
14 br>16
16
16
16
16
16
1 | 448 2
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5 | 9 460
9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
 | 4652
97.73
74
144
1
1
144
1
1
1
2
1
3
7
3
7
3
7 | 4661
90
5
5
5
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4664
9(19)
8
101
201
201
201
201
201
201
201
201
201 | 4561
2277
3
14
14
14
14
14
5
57
57
57
56
66 | 4€82
9(2)26
3
7.
27
195
32
4
32
4
32
4
32
4
32
4
32
4
32
56
56
572
 | 47a,
9,3%
27
7
7
22
7
7
22
7
7
22
26 | 47a2
9
3
3
22
6
3
3
5
3
5
4
6
1
1
1
1
2
2
6
6
7
7
7
2
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 475 1
9(36)
3
130
492
1
10
492
1
1
1
2
2
1
1
2
3
1
2
3
1
5
6
1
8
1
6
1
6
1
6
1 | 47b2
5
6
902
1248
25
5
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
3
3
3
5
5
6
8
902
1248
1248
125
125
125
125
125
125
125
125 | 47c1
9
13
1536
46
46
47
46
47
46
3456
3456
3456
3456
3456
3456
3456
3
 | 4762 | 47a
47a
5
7
7
3
5
7
7
28
5
 | 479 ₂
9
9
5
6
8
9
9
6
8
9
2
9
6
8
9
2
9
6
1
1
2
2
9
2
9
7
6
6
9
1
1
2
2
9
1
1
2
9
7
6
6
9
7
1
1
2
9
7
6
6
9
7
1
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
7
8
9
8
9 | 48a1
90,906
4
22
26
4
225
4
20
25
1
25
25
30 | 400.
5
6
37
3
1
4
5
6
37
3
1
4
5
6
37
3
1
4
5
6
6
6
6
6
6
6
6
6
6
6
6
6
 | | | | 8851
5
5
32
9422
5
32
9422
5
32
9422
5
32
9422
5
32
9422
5
5
32
9422
5
5
5
5
5
5
5
5
5
5
5
5
5 | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | Sea 1 2 297 | 5442
 |
| PARTIS INVERN
INTE SANDER
INTE SANDER
INTE SANDER
INTERNATIONAL
ARTIGUES
IN OF SUPERIONAL
ARTIGUES
IN OF INTERNATIONAL
ARTIGUES
INTERNATIONAL
ARTIGUES
INTERNATIONAL
ARTIGUES
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL
INTERNATIONAL | PER

 | | 20a2
9
0
0
505 | 2054
94
173
27
530 | 2065
2065
4
60
960

 | 230c1
22
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 2002
2012
2012
2012
2012
2012
2012
2012 | 456)
9000
2000
126
126
126
126
126 | 45a,
80
80
80
80
80
80
80
80
80
80 | 455 1
9 (1)
5 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1)
1 (1) | 45b
900
200
200
200
200
200
200
200
200
200
 | 2 46a
9 5 4
4 4
2 100
1580
 | 46a
9
184
184
175
175
175
175
175
175
175
175
175
175 | 2 445
9 465
5 5
2 10
1436
 | 460
 | 9 460
9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 46cc2
95.25.75
26.318
1.44
1
2.4
36 | 4661
90
5
5
5
5
7
22
2
220
2
200
7
7
7
7
7
7
7
7
7
7
7 | 466.2
8 (14) 4
8 (14) 4 | 45e1
45e1
5
5
11
24
24
24
24
24
24
24
24
24
24 | 4€82
9(7)/6
3
7.
27
195
4
32
4
32
4
32
4
32
4
32
4
32
4
32
4
3
 | 47a,
9, 36
27
7
22
7
7
22
7
7
22
26
26
26
26
26
26
26
26
26
26
26
26 | 47.42
8(4)
9
3
 | 4751
9(-3)26
130
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
492
1366
1366
1367
1366
1367
1367
1367
1367 | 47b ₂
5
8
903
1748
 | 47c ₁
9
9
3
3
3
4
6
4
6
4
6
4
8
x
x
x
3
3
4
5
8
5
4
5
8
5
3
5
3
5
3
5
4
5
6
8
5
7
9
3
3
5
4
5
6
8
5
7
8
3
5
3
5
4
5
6
8
5
7
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
8
 | 4762
92
56
9
840
2218
1
1
25
2
2
2
3
-
-
-
-
-
-
-
-
-
-
-
-
- | 47a,
5, 25, 5, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, | 4792
4792
4
5
5
6
8
92
8
92
8
92
6
1
12
6
6
12
6
12
12
2
2
12
12
5
5
9
12
12
12
12
12
12
12
12
12
12
12
12
12 | 48a
90,52/6
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
5
2.7
4
4
5
5
5
7
7
7
7
8
7
8
7
8
7
7
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
8
7
8
7
8
8
7
8
8
8
7
8
8
8
8
8
8
8
8
8
8
8
8
8 | 400.
25
6
37
-
-
-
-
-
-
-
-
-
-
-
-
-
 | | | | 1800 1
5
5
32
9422
12
32
9422
5
5
7
8
9
9
9
9
9
9
9
9
9
9
9
9
9 | x 228
32
228
4
4
32
228
32
2
2
2
2
2
2
2
2
2
2
2
2
2 | 5661 | 54 A2
 |
| Preside nomeste
larte shorted
harte shorted
lideritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritation
fileritatio | PER

 | | 2042
0
305
305
305
305
305
305
305
305
305
3 | 2054
90
10
10
10
10
10
10
10
10
10
10
10
10
10 | 206)
206)
3
3
4
60
960

 | 230c1
2
2
2
2
2
2
2
2
2
2
2
2
3
1110
3
3
3
3
3
3
3
3
3
3
3
3
3 | 2002
2012
2012
2012
2012
2012
2012
2012 | 45s)
9C 77
2
3
3
3
3
3
3
3
3
5
58
5
58
5
58
5
58
5 | 45a,
%
%
%
%
%
%
%
%
%
%
%
%
% | 45E | 45b
92/202
94/591
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | 2 46a
9 5 6 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 7 9 | 46a
9,9,6,7
3
9,8
9,9
9,9
9,9
9,9
9,9
9,9
9,9
9,9
9,9 | 2 465
9 5
9 7
9 7
9 7
9 7
9 7
9 7
9 7
9 7 | 460 2
5 5
5 5
670 2286
670 2286
7
7
7
7
8
7
8
7
8
 | 2
2
2
2
2
2
3
3
4
4
8
3
7
125
2
2
3
3
4
4
8
3
7
125
2
2
3
3
4
4
8
3
7
125
2
3
3
4
4
8
3
7
2
3
3
3
4
4
8
3
7
2
3
3
3
4
4
8
3
125
3
3
3
4
4
4
8
3
125
3
125
125
125
125
125
125
125
125
125
125 | 46c2
97.73
7
2
3
1
3
1
1
44
2
3
1
3
1
2
4
3
1
3
1
2
4
3
1
3
1
3
1
3
1
3
1
3
1
3
1
3
1
3
1
3 | 4664
9
0
292
1222
1222
1
1
7
7
8
6
7
7
8
6
7
7
8
6
7
7
7
8
6
7
7
7
8
6
7
7
7
8
7
8 | 46642
5
5
4
6
1
7
1
5
7
7
7
7
7
7
7
7
7
7
7
7
7 | 45e1
45e1
45e2
45e3
5
11
24
227
14
24
24
24
24
24
24
24
24
24
2
 | 468,27
8,596
3
7
7
195
4
32
4
32
4
32
4
32
4
1
4
5
6
5
6
7
2
7
2 | 47.a.1
22.2
7
22.2
7
22.2
25.2
25.2
7
2.2
25.2
2
7
2.2
2
7
2.2
2
7
2.2
2
7
2.2
2
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
2.2
2
7
7
7
7 | 4742
8055
93
36
3
3
9
36
6
6
7
7
7
2
7
7
2
6
7
7
7
7
7
7
7
7
7 | 47201
9(-3)20
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
492
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1)200
1000
10 | 47b ₂
5
9
5
9
1748
5
4
25
5
5
5
5
5
5
5
5
5
5
5
5
5 | 47c ₁
9
2
3
3
3
3
3
4
6
4
6
4
8
x
x
x
3
3
4
5
9
5
3
4
5
8
5
7
3
3
4
5
8
5
7
3
3
4
5
8
5
7
3
3
5
4
5
8
5
7
5
7
5
7
5
3
5
3
5
7
5
7
5
7
5
7
5
7
 | 470 2
2
2
3
4
4
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
2
3
2
2
2
3
3
2
2
3
3
2
2
3
3
3
3
3
5
5
5
5
5
5
5
5
5
5
5
5
5 | 47a,
2,4
3,3
7,38
3,5
5,5
5,5
5,5
5,5
5,5
5,5
5,5 | 4792
4792
4792
5
5
5
6
8
92
9
9
5
6
12
6
6
9
12
6
6
12
6
12
6
12
12
6
12
12
12
12
12
12
12
12
12
12
12
12
12 | 48a
9,5%
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
4
4
5
2.7
7
4
4
5
7
7
7
7
7
7
7
7
7
7
7
7
7
 | 40.
40.
5
6
6
6
1
1
2
5
6
6
6
6
6
6
6
6
6
6
6
6
6 | | | 92/9/6
37
37
37
37
37
37
37
37
37
37 | 88c1) 5
5
5
32
942
2
942
2
7
2
9
7
2
9
7
2
8
1
2
8
1
8
1
8
1
8
1
9
7 | A45c2
10
220
733
10
220
10
220
10
220
10
220
10
220
10
220
22 | Sten 1
W P
S
S
S
S
S
S
S
S
S
S
S
S
S
 | 548-2
520-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
270-2
27 |
| Practices moments
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
and have showled
and have showled
and have showled
and have showled
have show no showled
have show no showled
have show no showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled
have showled | FER 1 12664 1 12674 1 12674 1 1277 1 128 1 129 1 129 1 129 1 129 1 129 1 129 1 129 1 129 1 129 1

 | | 20kg | 2053
27
37
37
37
37
37
37
37
37
37
3 | 206)
206)
3
3
4
60
960

 | 230c1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
20c3
2
3
4
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
3
4
4
4
3
4
4
4
3
4
4
4
4
4
4
4
4
4
4
4
4
4 | 4591
90/6/0
92
126 | 45a2 | 45b | 45b
92/3/2
22/2
94
591
2
3
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | | 46a
9,9,9,3
3
9,0,0
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,4
0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,175,5
1,0,1, | 2 465
9 66
9 6
9 6
9 6
9 6
9 6
9 6
9 | 446 2
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
 | 460
g
2
3
3
4
4
9
2
3
3
4
4
9
3
3
4
4
9
3
3
4
4
9
3
3
3
4
4
4
9
3
3
3
4
4
4
9
3
3
3
4
4
4
9
3
3
4
4
4
9
3
3
3
4
4
4
9
3
3
3
4
4
4
4
9
3
3
3
1355
4
4
4
4
4
4
4
4
5
7
1355
4
4
4
4
4
5
7
1355
4
4
4
4
4
5
7
1355
5
7
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1355
1
1
1
1
1
1
1
1
1
1
1
1
1 | 95,29,78
2
6
3
10
1
44
1
1
2
4
3
10
2
3
10
1
44
1
1
2
4
3
10
1
44
1
1
2
4
3
10
1
44
1
2
1
2
1
1
1
1
1
1
1
1
1
1
1
1
1 | 4664
9 C 93/16
5
1 222
1 222
5
6
1
1
222
5
6
1
1
222
5
6
1
1
222
5
6
1
1
222
5
6
1
1
222
5
6
1
1
222
223/0
1
1
222
223/0
1
1
222
223/0
1
1
222
223/0
1
1
222
223/0
1
1
222
2
223/0
1
1
222
2
2
2
2
2
2
2
2
2
2
2 | 46642
2 (5)
3 4
6
101
731
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4661
1
1
1
1
1
1
1
1
1
1
1
1
1
 | 468,27
8/9/6
3
7
7
195
4
32
3
4
32
4
32
4
32
4
32
56
56
72
72 | 47.a1
2.2
7
2.2
7
2.2
3.4
4.5
4.5
4.5
4.5
4.5
4.5
4.5
4 | 47a2
9(4)
27
9
36
6
6
6
6
77
77
77
6 | 4751
9
9
9
1
9
1
452
7
5
1
452
7
5
1
452
7
5
7
5
7
5
7
5
7
5
7
5
7
5
7
7
5
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47b2
5
6
903
1748
 | 47e
₁
9
1536
3456
46
46
48
x
3
3
3
5
5
5
7
8
x
2
x
2
x
3
3
3
7
8
5
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
8
5 | \$752
\$255
\$100
\$215
\$215
\$200
\$215
\$200
\$215
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200
\$200 | 47a
47a
5
3
3
7
38
 | 4734
4734
4734
5
6
9
5
6
9
5
6
9
5
6
9
5
6
9
5
6
9
5
6
9
5
6
9
7
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
7
8
8
8
9
7
8
8
8
9
7
8
8
8
9
8
8
8
9
8
8
8
9
8
8
8
9
8
8
8
9
8
8
8
9
8
8
8
9
8
8
8
8
8
8
8
8
8
8
8
8
8 | 48a

 | 400.
31.
3.
5.
6.
6.
1.
3.
7.
6.
1.
4.
1.
4.
1.
4.
4.
4.
4.
4.
4.
4.
4.
4.
4 | | | 92/9/6
37
37
37
37
37
37
37
37
37
37 | 88c1
32
942
32
942
32
942
32
942
32
942
32
942
32
942
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
944
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
32
947
34
34
34
34
34
34
34
34
34
34 | 44c2
9727
10
208
7231
14
4
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
32
28
28
28
28
28
28
28
28
28
2 | Sten 1
2
2
3
5
12
297

 | 548-2
57001
2 2
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
3700
5
5
5
5
5
5
5
5
5
5
5
5
5 |
| PRATICS INVERTING
LATE SAMPLED
LATE SAMPLED
INC. OF SEVILES
ILINE/TOTAL
INC. OF SEVILES
IN OF INTERNATIONAL
AND AND AND AND AND AND AND
AND AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND AND
AND AND AND AND AND AND AND AND AND AND | PER)) 202046 Q Q <td></td> <td>20kg</td> <td>20053
20053
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
27
355
27
27
27
27
27
27
27
27
27
27</td> <td>206₂
5
5
60
960</td> <td>20x1
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>20c2
20c3
3
8
42
834
</td> <td>45a,
9
2
3
3
136
568</td> <td>45a2</td> <td>45b 1
9 12 15
8 5
178
464
3 1
1
1
1
9 2
9 2
9 2
1
9 2
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1</td> <td>45b
125
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
1</td> <td>2 46a
9 (19) 4
4
4
5
10
158
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>46a
9
3
9
1
175
2
9
9
9
175
2
9
9
9
175
2
9
9
9
175
2
9
9
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
187
187
187
187
187
187
187
187
187</td> <td>2 445
9 5
5 5
5 7
2 10
1436
2 10
1436
2 10
1436
2 10
1436
110
110
110
110
110
110
110
11</td> <td>446 2
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5</td> <td></td> <td>95,93,78
2
6
3
10
1,44
1
1
2
6
3
10
1,44
1
1
2
7
3
10
1,44
1
1
2
7
3
10
1,44
1
1
2
7
8
10
1,44
1,44
1,44
1,44
1,44
1,44
1,44
1</td>
<td>4661
9
5
5
7
22
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
1
2
2
0
1
2
2
0
1
2
1
2</td> <td>1 664
9 (1/976
4 9
1 681
731
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>4661</td> <td>450,2
5
5
7
27
395
4
4
37
7
27
395
4
4
37
7
27
395
5
7
27
395
5
7
27
395
5
7
27
395
5
7
27
395
5
6
37
7
27
395
5
6
37
7
27
395
5
6
19
19
19
19
19
19
19
19
19
19</td> <td>47a1
95.9%
2
7
7
2
7
7
2
2
7
7
7
2
2
7
7
7
7
2
2
6
9
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>47a2
8(V)
5
3
7
9
36
6
6
6
7
7
9
36
6
6
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>4751
9(-36
36
432
1366
432
1366
432
1366
432
1366
432
432
432
432
432
432
432
432
432
432</td> <td>47b2
5
5
903
1749
</td> <td>47e₁
9
1556
3456
46
48
2
x
3
3
3
5
5
8
2
2
2
2
8
2
2
2
3
4
5
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
7
8</td> <td>4752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
975
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9757
9757
9757
9757
9757
9757
9757
9757
9757
9757
9</td> <td>479 4
479 1
5
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
7
38
7
7
38
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>470</td> <td>48a 1
9/3/6
4
1
25
25
3
3
3
3
3
3
3
3</td> <td>49.
49.
49.
49.
49.
49.
49.
49.</td> <td></td> <td></td> <td></td>
<td>18c1
3
5
5
5
3
2
9
9
2
1
2
3
2
9
4
2
3
2
9
4
2
3
3
2
9
4
2
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td>44c2
97/9/6
6
10
28
7 21
11
4
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
20
20
20
20
20
20
20
20
2</td> <td>Stan 1</td> <td>50m2
57 £
57 £
57
57
57
57
57
57
57
57
57
57</td> | | 20kg | 20053
20053
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
335
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
355
27
27
355
27
27
27
27
27
27
27
27
27
27 | 206 ₂
5
5
60
960
 | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
20c3
3
8
42
834
 | 45a,
9
2
3
3
136
568 | 45a2 | 45b 1
9 12 15
8 5
178
464
3 1
1
1
1
9 2
9 2
9 2
1
9 2
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
 | 45b
125
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
12
591
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
12
595
1 | 2 46a
9 (19) 4
4
4
5
10
158
-
-
-
-
-
-
-
-
-
-
-
-
- | 46a
9
3
9
1
175
2
9
9
9
175
2
9
9
9
175
2
9
9
9
175
2
9
9
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
9
187
187
187
187
187
187
187
187
187
187 | 2 445
9 5
5 5
5 7
2 10
1436
2 10
1436
2 10
1436
2 10
1436
110
110
110
110
110
110
110
11
 | 446 2
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5 | | 95,93,78
2
6
3
10
1,44
1
1
2
6
3
10
1,44
1
1
2
7
3
10
1,44
1
1
2
7
3
10
1,44
1
1
2
7
8
10
1,44
1,44
1,44
1,44
1,44
1,44
1,44
1 | 4661
9
5
5
7
22
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
22
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
20
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
0
1
2
2
1
2
2
0
1
2
2
0
1
2
1
2 | 1 664
9 (1/976
4 9
1 681
731
7
7
7
7
7
7
7
7
7
7
7
7
7
 | 4661 | 450,2
5
5
7
27
395
4
4
37
7
27
395
4
4
37
7
27
395
5
7
27
395
5
7
27
395
5
7
27
395
5
7
27
395
5
6
37
7
27
395
5
6
37
7
27
395
5
6
19
19
19
19
19
19
19
19
19
19 | 47a1
95.9%
2
7
7
2
7
7
2
2
7
7
7
2
2
7
7
7
7
2
2
6
9
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47a2
8(V)
5
3
7
9
36
6
6
6
7
7
9
36
6
6
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4751
9(-36
36
432
1366
432
1366
432
1366
432
1366
432
432
432
432
432
432
432
432
432
432
 | 47b2
5
5
903
1749
 | 47e ₁
9
1556
3456
46
48
2
x
3
3
3
5
5
8
2
2
2
2
8
2
2
2
3
4
5
5
8
5
8
5
8
5
8
5
8
5
8
5
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
5
7
8
7
8 | 4752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
975
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9752
9757
9757
9757
9757
9757
9757
9757
9757
9757
9757
9 | 479 4
479 1
5
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
38
7
7
38
7
7
38
7
7
7
7
7
7
7
7
7
7
7
7
7 | 470
 | 48a 1
9/3/6
4
1
25
25
3
3
3
3
3
3
3
3 | 49.
49.
49.
49.
49.
49.
49.
49. | | | | 18c1
3
5
5
5
3
2
9
9
2
1
2
3
2
9
4
2
3
2
9
4
2
3
3
2
9
4
2
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
2
9
4
2
3
3
3
2
9
4
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 44c2
97/9/6
6
10
28
7
21
11
4
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
32
20
20
20
20
20
20
20
20
20
2 | Stan 1 | 50m2
57 £
57 £
57
57
57
57
57
57
57
57
57
57 |
| 2785108 NORACA
2785108 NORACA
1405 240510
15142/201411
1505 of 1505102
15142/20141
1505 of 150720055
15160 of 150720055
15160 of 150720055
15160 of 15072005
15172005 of 150720
15172005 of 150720
15172005 of 150720
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005
15172005 | PER

 | | 200x2 | 2005
90
57
39
39
39
39
39
39
39
39
39
39 | 206 ₂
206 ₂ | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
20c3
20c3
20c3
20c3
20c3
20c3
20c3 |
 | 45a2 | 45b
9
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5 | 45b
125
20
22
124
591
12
2
2
2
2
2
2
2
2
2
2
2
2
2 | | 46a
9
3
9
184
9
175
28
2
2
2
2
2
3
4
4
4
 | 2 445
2 5
5
5
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4652
5
5
670
2284
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5
5 | 9 460
9 57
8 8
8
8
8
135
135
135
135
135
135
135
135 | 46652
97.749772
98.949
144
1
1
24
376 | 4661
90
90
92
92
92
92
92
92
92
92
92
92
92
92
92
 | 57
7
8
57
7
7
7
7
7
7
7
8
8
8
8
8
8
8
8 | 46601
5
5
11
124
227
3.
7 | 450,2
825/6
377
27
395
4
4
27
395
4
4
27
395
6
37
7
27
395
56
72 | 47a1
95/966
2
7
7
7
2
7
7
7
2
2
7
7
7
7
7
7
7
7
7
 | 47a2
5
5
5
5
5
5
5
5
5
5
5
5
5 | 4751
90,1996
140
492
1366
452
1
1
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
2
3
3
2
3
2
3
3
3
2
3
2
3
3
3
3
3
3
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 47b2
5
6
902
1/249
 | 47e 1
9 9 (2 4 %
9 1)
1 5 9 16
3 4 5 6
46
3 4 5 6
3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | \$752
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 4794
4794
4794
3
3
3
3
3
3
3
3
3
3
3
3
3
 | 4739,
4,230,
5,
6,
8,
92,
10,
11,
2,
2,
12,
12,
12,
12,
12, | 488n ₁
2
2
3
4
5
5
5
5
5
5
5
5
5
5
5
5
5 | 49.
49.
49.
49.
49.
49.
49.
49. | | | 992
992
992
992
992
992
992
992
992
992 | 48c1
9
9
9
9
9
9
12
12
12
12
12
12
12
12
12
12
 | 44c2
32/5/2/6
6
10
128
17
13
229
229
229
229
229
229
229
22 | Stan 1 | 50m2
57 £
20
370
57
20
370
57
20
370
57
20
370
57
20
370
57
20
370
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
20
57
57
57
57
57
57
57
57
57
57 |
| Precise numero
larte shorietto
(in conservational
filterional)
(in conservational
filterional)
(in conservational
and the shorietta
(in conservational
and the shorietta
antesparte asserts)
(in conservation
antesparte)
(in conservation
(in conservation
(in conservation)
(in | pES 1 10000 1 1<
 |
 | 20a2
2
3
3
3
5
0
5
0
5
0
5
0
5
0
5
0
5
0
5
0
5 | 200ba
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015
2015 | 206,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5, | 20x1
8
2
2
9
71
11
11
11
11
11
11
11
11
11
 | 20c2
20c3
30
42
834
42
834
42
834
42
834
42
834
42
834
42
834
42
834
42
834
834
42
834
834
42
834
834
834
834
834
834
834
834
834
834 | 459,
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
3
3
126
2
2
2
3
3
126
2
3
126
2
126
2
126
2
126
2
126
126
126
126 | 45a2 | 45b
9
10
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 45b
1555
125
125
125
125
125
125
12 | 2 46a
9
(3)
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164% 164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164%
164% 164%
164%
164%
164%
164% 164%
164%
164% 164%
164%
164% 164%
164%
164% 164%
164% | 466a
9
20
20
20
20
20
20
20
20
20
20
20
20
20 | 2 446
2 466
2 10
2 10
1 4 36
 | 445 2
5
5
670
2284
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
 | | 46652
91/29/10
6 | 4661
9
2
2
3
5
5
6
7
22
1
1
1
7
7
6
7
7
2
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 466,
9, 57
9, 57
1, 61
7,11
 | 4561
1
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 456,2
3
3
7
27
395
4
37
27
395
32
32
32
32
32
32
32
32
32
32
 | 47a1
96/30/6
27
7
22
27
7
22
26
36
36
36
36
36 | 47a2
95546
3
7
9
36
6
6
6
7
11
1
1
1
1
1
1
1
1
1
1
1
1
1
1 | 47b1
9C/986
1492
492
25
1
1
1
1
1
1
2
2
2
3
2
2
3
3
4
92
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
2
3
2
3
2
2
3
3
3
2
2
3
3
3
2
2
3
3
3
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 47b2
35
302
302
302
302
302
302
302
302 | 476
3
95,13%
97,13%
98,13%
98,13%
99,13%
99,13%
99,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13%
7,13% | \$752
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 477a1
477a1
3
5
5
5
5
5
5
5
5
5
5
5
5
5 | 47342
5
5
6
8
5
5
6
8
5
5
6
8
5
5
6
8
5
5
6
6
8
5
5
6
6
7
5
6
6
7
5
6
6
7
7
7
7
7
7
7
7
7
7
7
7
7 | 488
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 40.
200
200
200
200
200
200
200
2 | | | | 88c1
9
9
9
9
9
9
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
2
1
1
1
1
1
1
1
1
1
1
1
1
1 | 44c2
32
37
37
37
37
37
37
37
37
37
37 | Sten 1
// 200
5-5
12
297

 | 5m2
57201
57201
572
575
575
575
575
575
575
575 |
| PTATIS NUMBER
LATE SAMPLED
LATE SAMPLED
D. OF STATISTICS
IN OF TAINAY TAINAY TAINAY
SAMPLES
IN OF TAINAY TAINAY TAINAY
AND TAINAY TAINAY TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN TAINAY
AMERICAN
AMERICAN TAINAY
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN
AMERICAN | PER

 | | 2082
9
0
305
10
10 | 2051
32
4
27
530 | 236,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
 | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 29522
255
5
5
5
5
5
5
5
5
5
5
5
5 | | 45a2 | 45b
9255
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 45b
35
22
12
2
2
2
2
2
2
2
2
2
2
2
2
2
 | | 4 664
2 2
3 4
3 4
3 4
3 4
3 4
3 4
3 4
3 4 | 2 665
2 665
2 10
1 11
2 2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 6455 2
5 5
670 2284
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
 | 8 460
9
9
1
1
1
1
1
1
1
1
1
1
1
1
1 | 666c2
92.276
2
93.276
2
9
144
144
144
144
144
144
144
144
144
1 | 4661
9
2
2
2
2
2
2
2
2
2
2
2
2
2 | 4664, 90 1998 | 4661
4671
400
5
5
5
5
5
5
5
5
5
5
5
5
5
 | 456.2
92.32%
3.7
2.7
3.95
4.32
4.32
4.32
4.32
5.6
5.6
7.2
7
7
2.7
5.6
7
7
2.7
3.9
5
5.6
7
7
2.2
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47a 1
90/3000
27
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 47a2
955
37
9
32
3
3
3
3
3
3
3
3
3
3
3
3
3 | 4751
95/30
315
4522
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 47b2
35
5
5
5
5
5
5
5
5
5
5
5
5
5 | 476 3
9 5 2 3 4 5 6 7 3 1 5 3 6 5 7 3 1 5 3 5 6 7 3 1 5 3 5 6 7 3 1 5 3 5 6 7 3 1 5 3 5 6 7 3 1 5 3 5 6 7 3 1 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5
 | \$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702
\$702 | 478 1 | 47342
47342
5
5
6
8
92
92
12
6
6
12
2
2
12
12
12
12
12
12
12 | 488 1
9
5
5
1
1
1
1
1
1
1
1
1
1
1
1
1
 | 40.
200
200
200
200
200
200
200
2 | Ay 448
4 4
7 4
4 7
1 1
3 7
5 5
5
5
5
5
5
5
5
5
5
5
5
5
5 | | | 88c1
9
9
9
9
9
9
12
12
12
12
12
12
12
12
12
12 | 44c2 10/2000 10/2000 10/2000 10/2000 10/2000 11 4 322 20 322 20 322 20 322 20 322 20 32 20 32 20 32 20 20 20 20 20 32 20 20 20 20 20 20 20 20 20 32 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 <tr< td=""><td>Steal X (1997)</td><td>5m2
5750
2
2
2
3
5
5
5
5
5
5
5
5
5
5
5
5
5</td></tr<> | Steal X (1997)
 | 5m2
5750
2
2
2
3
5
5
5
5
5
5
5
5
5
5
5
5
5 |
| PRESS NORTH STREET | PEE 12 Code 2 12 Code 2 <td></td> <td>20a2
8
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0</td> <td>2054
92.000
4
27
30
30
30
4
27
30
30
4
27
20
20
20
20
20
20
20
20
20
20
20
20
20</td> <td>206,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,</td> <td>20x1
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>390c2
50
50
50
50
50
50
50
50
50
50</td> <td></td> <td>45a2
2000
14
34
35
4992</td> <td>45n</td> <td>45b
355
36
37
37
37
37
37
37
37
37
37
37</td> <td></td> <td>4 46.4
2 2 3
3 4
3 8
4
2 2
2 2
2 2
2 2
2 2
2 2
2 2</td> <td>2 665
2 50
2 50</td> <td>4652
5
5
670
670
2234
2
20
20
20
20
20
20
20
20
20
20
20
20
2</td> <td>8
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td>660-3
5
7
7
8
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>4661
9
2
2
3
5
6
1
2
2
2
3
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7</td> <td>4664, 900 100 100 100 100 100 100 100 100 100</td> <td>45581
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000</td> <td>456.2
92.3%
3
7
27
395
4
4
32
</td> <td>473 1 30 50 50 50 50 50 50 50 50 50 50 50 50 50</td> <td>47a2
55
57
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td>47b1
900
900
900
900
900
900
900
900
900
90</td> <td>47b2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$</td> <td>4763
91
5365
3456
3456
3456
3456
3456
3456
3456</td> <td>4762
9
9
9
2216
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2</td> <td>473 1 473 1</td>
<td>4742
5
5
6
8
92
92
12
6
12
6
12
12
12
12
12
12
12
12
12
12</td> <td>4881
9
2
2
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3</td> <td></td> <td>Ay 485
9 97-25%
4 7
5 11
7 7
7 7
7 7
7 7
7 7
7 7
7 7</td> <td></td> <td></td> <td>88C1
9
9
9
9
9
9
12
12
12
12
12
12
12
12
12
12</td> <td>44c2 10/2000 10 10/2000 10 10/2000 10 10/2000 11 4 30/2000 20/2000 11 4 30/2000 20/2000 11 4 30/2000 20/2000 20/2000 20/2000 30/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2</td> <td>Stat 1 200 5 1</td> <td>5m2
575 g
2
2
370
2
370
370
370
370
370
370
370
370</td> | | 20a2
8
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0
1
0
 | 2054
92.000
4
27
30
30
30
4
27
30
30
4
27
20
20
20
20
20
20
20
20
20
20
20
20
20 | 206,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5,
5, | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 390c2
50
50
50
50
50
50
50
50
50
50
 | | 45a2
2000
14
34
35
4992 | 45n | 45b
355
36
37
37
37
37
37
37
37
37
37
37 |
 | 4 46.4
2 2 3
3 4
3 8
4
2 2
2 2
2 2
2 2
2 2
2 2
2 2 | 2 665
2 50
2 50 | 4652
5
5
670
670
2234
2
20
20
20
20
20
20
20
20
20
20
20
20
2 | 8
3
3
3
3
3
3
3
3
3
3
3
3
3 | 660-3
5
7
7
8
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4661
9
2
2
3
5
6
1
2
2
2
3
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4664, 900 100 100 100 100 100 100 100 100 100
 | 45581
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000
4000 | 456.2
92.3%
3
7
27
395
4
4
32
 | 473 1 30 50 50 50 50 50 50 50 50 50 50 50 50 50 |
47a2
55
57
3
3
3
3
3
3
3
3
3
3
3
3
3 | 47b1
900
900
900
900
900
900
900
900
900
90 | 47b2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 4763
91
5365
3456
3456
3456
3456
3456
3456
3456 | 4762
9
9
9
2216
1
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 473 1
473 1 | 4742
5
5
6
8
92
92
12
6
12
6
12
12
12
12
12
12
12
12
12
12 | 4881
9
2
2
3
2
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | | Ay 485
9 97-25%
4 7
5 11
7 7
7 7
7 7
7 7
7 7
7 7
7 7 | | | 88C1
9
9
9
9
9
9
12
12
12
12
12
12
12
12
12
12
 | 44c2 10/2000 10 10/2000 10 10/2000 10 10/2000 11 4 30/2000 20/2000 11 4 30/2000 20/2000 11 4 30/2000 20/2000 20/2000 20/2000 30/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2000 20/2 | Stat 1 200 5 1 | 5m2
575 g
2
2
370
2
370
370
370
370
370
370
370
370 |
| 2721108 100020
1475 5 Morizo
1475 | pER - 12000 - -<
 |
 | 208.2
%
%
%
%
%
%
%
%
%
%
%
%
% | 20b1
92
32
32
32
32
32
32
32
32
32
32
32
32
32 | 206)
5
3
3
4
60
960
 | 20x1
8
5
5
7
7
7
1
1110
8
8
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9
9 | 390c2
SC
SC
SC
SC
SC
SC
SC
SC
SC
SC
 | | 45a2
900
45
91
1
1
1
1
1
1
3
5
1
99
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1 | 45b
9.660
9.860
1084
464
3
1
1
1
464
3
1
1
1
464
3
1
1
1
464
3
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1 | 45b
2
2
2
2
2
2
2
2
2
2
2
2
2 | 2 46a,
2 46a
2 5
2 46a
2 100
150
150
150
150
150
150
150
 | 4 46a
9 175
3 1
184
22
22
18
4
 | 2 646
2 100
2 100
1 133
1 13
1 1
1 1
1 1
1 1
1 1 | 4652
5
5
670
670
2246
2246
2246
2246
2246
2246
2246
224
 | 4600)
92 22
23
31
32
32
32
32
32
32
32
32
32
32
32
32
32 | €66c-
5
5
2
2
5
3
1
1
1
1
2
4
3
6
6
6
6
5
5
5
5
5
5
5
5
5
5
5
5
5 | 4661
9
5
5
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4565, 95, 53, 6
4
5
5
5
5
7
7
7
7
7
7
7
7
7
7
7
7
7 | 5561
5
11
12
12
12
12
12
12
12
12
12 | 4602
902
127
137
137
137
137
137
137
137
13
 | 4751
92
92
97
7
22
22
24
34
36
30
30
86
28
29
27
27
22
27
27
22
27
27
22
27
27
22
27
27 | 47a2
55
56
7
3
3
3
3
3
3
3
3
5
5
5
5
5
5
5
5
5
5
5 | 47b1
900966
432
145
25
1
1
3
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2
2 | 47b2
5
6
9002
1248
 | 4763
98.
5355
3456
3456
3456
3456
3456
3456
3456
 | 4762
9
8
8
8
4
1
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 4783
4783
4783
3
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
3
7
7
8
8
8
8
8
8
8
8
8
8
8
8
8 | 4742
5
5
6
8
9
5
6
12
6
12
5
6
12
12
5
5
12
12
12
12
12
12
12
12
12
12 | 6 6 Ba 1
9 2 3 2 6
1 2 2 5
2 5
2 5
2 5
2 5
2 5
2 5
2 5
2 5
2 |
 | | | | 88c1
9
9
3
3
3
3
3
3
3
3
3
3
3
3
3 | 10 10 10 10 10 10 10 10 11 1 12 10 132 20 13 1 14 1 15 10 10 10 11 1 12 1 132 2 20 2 20 2 21 1 132 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 | Stat 1900 100 100 100 100 100 100 100 100 10 | 50m2
52 55
52 55
52 55
53 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54
5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 5
54 54 5
54 54 54
54 54 54
54 54 54
54 54 54
54 54 54
54 54 54 54
54 54 54 54
54 54 54 54 54 54 54 54 54 54 54 54 54 5 |
| Practices Information
Date State State (1997)
Date State (1997)
Date State (1997)
Date State (1997)
Date | μER μ 22/244 2
 |
 | 20a2
9
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3
3 | 20051
24
27
530
530
530
530
530
530
530
530
530
530 | 206)
5
5
5
5
5
5
5
5
5
5
5
5
5 | 20x1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 20c2
20
2
2
2
3
3
0
4
4
4
9
34
9
34
9
34
9
34
9
34
9
 | | 45a2
500000000000000000000000000000000000 | 45h | 45b | 2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2
46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 46a
2 | 4 46a
9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 2 446
2 446
2 10
1438
 |
465.2
5.5
5.7
670
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
2246
22 | 4600)
2
2
3
3
3
3
3
3
3
3
3
3
3
3
3 | 466-5
5
2
6
38
2
6
38
2
6
38
38
38
38
38
38
38
38
38
38 | 4661
9
5
5
7
7
2
7
7
7
7
7
7
7
7
7
7
7
7
7
7
7 | 4565,
50,
52,
601
24,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
7,
57,
5 | 45561
2019 2
3
12
12
12
12
12
12
12
12
12
12
 | 460,2
82,3%
3,7
27
32
4
32
4
32
56
72
56
72
4
4
4
32
56
72
56
72
56
72
56
72
72
72
72
72
72
72
72
72
72 | 475.1
92.5%
97.7
7
22.
24.
26.
26.
26.
26.
26.
26.
26.
26.
26.
26 | 47a2
9
9
3
 | 475 1
2
2
492
492
492
1
2
2
2
2
2
2
2
2
2
2
2
2
2 | 47b2
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$
\$ | 476
₂
90-5%
9
13
15
15
15
15
15
15
15
15
15
15
15
15
15 | 4762
8
8
8
8
8
8
8
8
8
8
8
8
8 | 4783
4783
4783
3
3
7
3
3
3
7
3
3
3
3
3
3
3
3
3
3
3
3
3 | 4792
4792
5
5
8
9
9
12
12
12
12
12
12
12
12
12
12 | 688a1
500
500
500
500
500
500
500
50
 | 408.
25.
25.
25.
25.
25.
25.
25.
25 | | | | BC.1
5
5
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
5
1
1
5
1
1
1
1
1
1
1
1
1
1
1
1
1 | 10 10 10 10 10 10 10 10 10 10 11 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 4 32 5 32 5 32 5 32 5 32 5 32 5 32 5 32 5 32 5 32 5 32 5 33 5 34 5 35 5 36 5 37 5 38 5 |
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
Stall
St | 50m2
5555
255
255
255
275
275
275
2 |

APPENDIX TABLES 4A, B

Foraminiferal oc	currences al	ong transect I,	Chezzetcook	Inlet:	format	same as	Appendix	Table	I, ex	cept that	t elevation	of eac	h sample	is
given.														

من من من من من من من من من من من من من م												and the second s	tinttantantantantantan ing ta		
show to the short the transformed and the state of the st													승규는 전 전 가지 않는 것 같아요. 같은 것	international and the state of	us sulfates a distanta da ante a constructiones de la constructiones de la constructiones de la constructiones e

APPENDIX TABLES 5A, B

Foraminiferal occurrences along transect III, Chezzetcook Inlet: format same as Appendix Table 4.

Athen tool an address	1.		T		1 20			42		64	6.	6.	7.0	71.		-		0.	100	105									F1. ~1	
ELINATION IN CO.	+- '	10	24	10		<u></u>		417			04				10	101	34	442	104			118	124	120	a	1.45	143	142		135
ABOVE MOL	1 Hb	1 45	BR	1 48 +	76	26	66	46	69	6.9	86	60	80	96	81	81	83	81	85	- 67	93	83	86	84) 86 	86	33	11	FU	60
EN. OF SPECIES Lowing/total	4	4 5	1	2	5	4	5 6	5	4	4	4	4	4	4	4	4	4	i B	4	3	3	1 4	0 3	3	4	ŝ	s a	7	× 8	0
AD. OF INDIVINUALS PER 10 cm ³ (Live/total)	534 11294	1144	315 346	44	692 1769	840 1941	524 2972	568 2158	347	284 908	2294	1334	725 1936	434 1572	496 1180	728 1770	458 1730	380 1122	734	596 1430	\$36 1430	510 1096	896 2050	2162	440	162	162	99 1125	170	29n
pomobroalfies dilatares																			_										1-0-0-0.0	1
H. Sulfacewo	+					L		L	\$ + •			_									_							É.		
Ametian salsam	(-	-	L					-									L					-		t			2	x	
Auguaranti la martacha					h	ļ												-×						-	+		+ <u>×</u>	- A	-X	1
Cribm-mod m	ţ									-								-							F				[H-i
well i la atuiter 1	4	F	-		-				-		-														+					
martante ap.			···-		4.a			ļ																	1		1		L	
arrage arrange	1			+													t								÷				L	
Baptophinggerocaes bomplands	4	10	4	2	10	8	X	. 1	1		x	<u>x</u> -		- 8			<u> </u>	X	x			×			X.	<u>x</u> .	X	1		X
dadamina polyeroma	-		-		+									+ +			<u> </u>	- 1	-	-	_		_					-1	<u> </u>	
Mitsiamina fuera]			+	K		L	2	4	3	x	1	X	10	2	5		X	1		- 8	7	2	4	+		13	9	13	N
To Ly 80,000 million		- A	1				1				· · · · ·						X		L	-			- V	-1		-	18	-le_	14	E-12 - 1
PercentaktAlam	r			<u>†</u>	1	<u>.</u>											x								ļ	+ -				
prisiane	÷																													
ningings raise			[14			10			12	-		7.4		12	24	15	19	14	~ 73	12			1_		1-10-	4.	1 26	1
tiphotooska comprimita	12	14	3	7	115	3	22	16	10	32	19	12	8	24	15	12	1.8	16	23	16	- 26	11	0		1.11	9	25	36		15
Truchammina inflata		X	3	<u>t.</u>	4	X	16	21	8	12	1	1 2	1	4	x	1	- <u>x</u>	×	X						2	2	3	2	Į. ;	4
7. патевоет	89	18	94	90	70	84	69 65	65	82 75	51	- 67 	90	66	61	90	81	74	83	80	36 187	70	74	92 86	92 88	89	83	42	40	56	63
1. interiore	·		+		+	+			ļ													-					-		+	
1. sawamata	J					ļ																								
	140	165	- III	1.7%	10	122	18-	1.00	20-	201			40-		-			1		40					1		110.	201	1.00	(
STATION LONDER	16a	165	17a	176	16a	185	194	1%	202	20b	Zla	210	22 a	22b	23a	2 8b	24a	24b	254	255	26a	261	27u	275	184	žHto	294	295	302	.ttb
STATION HOMOFR	16a 89	16b 89	17a 89	176 89	16a 68	185	19a 87	1%	20a 85	205 65	23.a 83	210 23	228 87	22b 87	23a	2 sb 91	24a 86	245 86	25a 82	25% 82	26a 31	26b 41	27a 82	275	28.4	28b	20a 11	29b	3/12	.30b - 34
STATION SUMMER SILEWATURY IN OR AGONG MGL STATISTICS (Lawing/total)	16a 89 8	ібb 89 Б	17a 89 4	175 89 5 7	16a 68 7 3	185 98 4	19a 87 1	1%6 87 3	20a 85 3	205 65 3 3	21a 83 2 3	210 83 3 4	228 87 3 6	22b 87 4 6	23a 92 3 5	2 sb 91 7 5	24a 86 5 7	245 86 9	25a 82 5 7	25b 82 11 6	26a 31 6 9	26) 41 4	274 82 9 5	275 92 4 9	284 67 1	28b 67 4 7	20a 11. 9 13	27b	101 -14 -11	30b - 34 7 16
STATION SOMMER STATION SOMMER AGOVE PEL WIL OF SPECIAL (120105/10181) NO. OF SPECIAL 10 OF (1007/10181) D. OF (1007/10181)	16a 83 9 259	16b 89 6 9	17a 89 4 433	176 89 5 7 440	16a 88 3 478	185 98 4 362	19л 87 1 1 442	195 87 3 3 728	20a 89 3 3 566	20b 65 3 458	21a 83 2 3 61	210 83 3 4 105	228 87 3 6 186	22b 87 4 <u>6</u> 250	23a 92 3 5 536	2 sb 91 7 5 264	24 <i>a</i> 86 5 7 434	24b 86 7 822	25a 82 5 7 386	25b 82 5 6 346	26a 31 4 8 402	260 41 4 5 582	274 92 9 5 89	276 92 4 9	284 67 1 126	2Hb 67 4 γ 352	29a 11. 13 299	29b 16 6 12 116	101 -14 -11 186	30b -34 7 16 435
STACION SCHEMEN SLEWITIGE IN CH SUCCESS DU. OF SUPERIA LU STAFTICE 333 NO. OF INDIVIDUALS FRE 10 CM (LUNC/COAL) SUCCESS SCHEME STAFTICE SUCCESS SCHEME SCHEME SCHEME	16a 89 9 959 817 ×	165 89 6 9 1158 2106 X	17a 89 4 433 686	175 89 5 7 440 838	10a 88 3 478 1580	185 98 4 162 1352	19a 87 1 442 1158	195 87 3 3 2742	2Qa 85 3 566 1466	20b 65 3 458 1546	21.0 83 2 3 61 236	210 23 3 4 105 365	228 87 3 6 186 768	22b 87 4 5 250 883	23a 92 3 5 636 1250	2 sb 91 7 5 264 934	24a 86 5 7 434 1218	24b 86 7 822 1826	25a 82 5 7 386 1164	25% 82 5 6 346 864	26a 31 6 8 402 1572	261 41 5 582 7010	27a 92 9 5 89 1353	276 92 4 981 1411	28# 67 126 3391	28b 67 4 7 352 2796	20a U. 13 295 1107	29b 16 6 12 116 1788	101 -14 0 11 186 1264	30b -34 7 10 435 2297
STATUM SUBJECT	16a 83 9 259 817 × ×	165 89 6 9 1158 2106 8 8	17a 89 4 433 686	17b 89 5 7 440 635	16a 88 3 478 1580	185 98 4 162 1352	19a 87 1 442 1158	1% 87 3 3 2742	20a 89 3 566 1466	20b 65 3 458 1546	21.0 83 2 3 61 236	210 83 3 4 205 365	228 87 3 6 768	22b 87 4 5 250 883	23a 92 3 5 536 1250	2 sb 91 7 5 264 994	24a 86 5 7 434 1218	24b 86 7 822 1826 	25a 82 5 7 106 1164	25b 82 5 6 346 864	26a 31 4 8 402 1572 2	261 41 4 5 5 682 7010	274 92 9 5 89 1357	276 92 4 9 281 1411	284 67 1 6 126 3391	28b 67 4 7 252 2796	20a 10 13 107 1 3	29b 16 6 12 116 1768 X	1911 -14 -1 1 1 196 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	30b -34 7 16 435 2297 4 1 16
STN 1304 SOMBRE STN 1304 SOMBRE ABOVE VS. SOL OF SPECIA IS UNITATION IN CO. SOL OF SPECIA IS UNITATIONAL SOL OF SECURIONAL ACTION OF SECURIT ACTION OF SECURITY ACTION OF SECURITY ACTION OF SECURITY ACTION OF SECURITY STN 1304 STN 13	16a 89 9 259 817 x X	16b 89 1156 2106 X X X X	173 89 4 433 686	17b 89 5 7 440 838	10a 98 3 478 1580	185 98 4 362 1352	194 87 1 442 1158	195 87 3 728 2742	20a 85 3 566 1466	20b 65 3 458 1546	21a 83 2 3 61 236	210 83 4 105 365	228 87 3 6 186 768	22b 87 4 5 250 863	23a 92 3 536 1250	2 tb 91 3 264 994	24a 86 5 7 434 1218	24b 86 7 522 1526 8	25a 82 5 7 396 1164	2555 82 5 86 346 864	26a 311 6 8 402 1572 2 2	260 41 5 582 7010	274 92 9 1353	276 92 4 981 1411	284 67 126 3391	28b 67 4 7 2796 2796	20a ut. 295 107 1 3 4	29b 16 6 12 116 1788 1788	2012 - 74 - 14 - 11 - 14 - 12 - 14 - 12 - 14 - 13 - 5 - 8	30b -34 7 10 435 2297 4 1 16 2 7 7 3
The COM USERS Line Comments in the Comment State of the Comments in the Comment State of Comments in the Comments in the Comment State of Comments in the	16a 89 9 959 817 x X	165 89 1156 2106 X X X X X X X	173 89 4 433 686	176 89 5 7 449 838 	10a 98 3 479 1580	18b 98 4 362 1352	19a 87 1 442 1158	1%5 87 3 3 728 2742	20a 85 3 566 1466	20b 85 3 458 1546	21.a 83 2 3 61 236	210 83 4 105 365	228 87 3 6 768 768	22b 87 4 5 250 823 	23a 92 3 536 1250	2 tb 91 7 264 984	24a 86 5 7 434 1218 ×	24b 96 9 7 522 1526 	25a 82 5 7 386 1164	25% 82 346 864 X	26a 81 402 1572 X	260 41 4 5 582 7010 ×	274 92 9 1353	276 92 4 981 1411	28+ 67 126 3391	28b 67 4 7 352 2796 ×	20a 1t. 299 13 107 1 3 1 4 -2	29b 16 6 12 116 1788 1788	3/12 -14 -14 -11 -188 -1.264 -5 	30b - 34 7 10 - 4,35 - 2277 - 4 - 1
EVA-TON SUMMER EXEMPTION THE CO MONITORS EXEMPTION	16a 89 9 959 817 × × ×	165 89 1156 2106 X X X X	173 89 4 433 686	17b 89 5 7 240 838 	16a 88 3 478 1580	18b 84 4 362 1352	19a 87 1 442 1152	195 87 3 728 2742	20a 89 3 566 1466	20b 85 3 458 1546	21ø 83 2 3 61 236	21b 23 3 4 105 365	228 87 3 6 186 768 X	22b 87 4 5 220 823 	23a 92 3 5 536 1250	2 tb 91 3 264 934	24a 86 5 7 434 1218 ×	24b 86 7 822 1826 	25a 82 5 7 396 1164	2555 82 346 864 	26a 81 402 1572 X	26b 41 4 5 582 7010 ×	274 92 9 1353	276 92 4 981 1411 X	28# 6 126 3391	28b 67 4 7 252 2796	29a 11. 1295 1107 1 1 1 2 1 2 1 2 2 3 3 4 2 2 3 4 2 3 4 2 3 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4	29b 16 6 12 116 1788 1788 1788	2/13 -14 -14 -14 -14 -14 -14 -1264 -1 -14 -14 -14 -14 -14 -14 -14	30b -34 7 10 435 2297 4 1 - - - - - - - - - - - - - - - - - -
EN-TON NAMES ELEMENTS IN CO BASY PAS NO. OF SPECIA ILLINEARLY AL ILLINEARLY	16a 83 9 259 817 x x x	165 89 1156 2106 X X X X	173 89 4 413 6926	17b 83 5 7 449 635 	16a 88 3 478 1580	1 825 94 4 162 1352	194 97 1 442 1152	195 87 3 728 2742	2Qa 89 3 566 1465	20b 85 3 458 2546	21a 83 2 3 61 236	210 23 3 4 105 365	228 87 3 6 768 768	22b 87 4 5 250 863 	23a 92 3 536 1250	2 tb 91 3 264 934	Z4a 86 5 7 434 1218 X	245 95 7 522 1526 .X	25a 82 5 7 306 3164	25% 82 346 864 X	26a 81 402 1572 8 	260 A1 4 5 582 7010 X	274 92 9 1353	276 92 4 981 1451	28+ 07 1 6 126 3391	2Hb 67 4 7 352 2796 ×	29a 1 1 1 1 1 1 1 2 1 1 2 2 2 2 2 2 2 2 3 1 2 2 2 3 2 4 2 3 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 4 2 4 4 4 4 4 4 4 4 4 4 4 4 4	29b 16 6 12 116 1788 1788 1788 1788 1788 1788 1788	1992 -14 11 188 1264 5 8 	30b -34 7 16 4,35 .2277 - 6 1 - - - - - - - - - - - - - - - - -
Pho-FOM UNMER* EXECUTE 10 IN IN EXECUTE 10 IN IN EXECUTE 10 IN IN EXECUTE 10 IN INFORMATION 10 INTO 10	26a 89 9 259 817 × × ×	165 89 1158 2106 X X X X	173 89 4 433 696	176 83 5 7 449 638 	16a 68 3 478 1580	185 84 4 362 1352	19a 87 1 442 1150	1%a 87 3 728 2742	20a 89 3 566 1466	20b 85 3 458 154 <u>6</u>	21a 83 2 3 61 236	210 83 4 205 365	22a H7 3 6 768 768 X	22b 87 4 5 250 883 	23a 92 3 5 636 1250	2 stb 91 7 5 264 934	24a 86 5 7 434 1218 7	24b 86 5 7 522 1526 	25a 82 5 7 396 1154 ×	25% 82 5 6 346 864 	26a 81 402 1572 X	260) A1 4 5 682 7010 X X	27a 92 9 1155 29	27c 92 4 981 1411 X X	284 67 126 3391 	28b 67 4 7 352 2796 × ×	20A (f. 295 100 1 3 4 2 2 4 2 2 4 100 1 3 1 4 2 2	29b 16 6 12 116 1788 -1 -2 -2 -8 -8	1993 -14 11 188 1264 5 11 11 5 8 6 - 8	30b -34 7 10 435 2277
Environ somern Environ somern Environment	16a 89 9 259 817 × × × ×	165 89 1158 2106 X X X X	17a 89 4 433 68e	17b 85 7 449 835 	16a 98 3 1478 1580	182 98 4 362 1352	19a 87 1 442 ,1150	195 97 3 1 ?28 2742	20a 85 3 566 1456	20b 65 3 458 1546	21a 03 2 3 61 236	210 83 3 4 205 365	228 87 3 6 185 768 X	22b 87 4 5 220 863 	23a 92 3 5 5 636 1250	2 tb 91 7 5 264 934	24a 86 5 7 434 1218 X 1 1	24b 96 9 1522 1526 	25a 82 5 7 196 1154 X X X X X	255 82 345 864 X 1 1	26a 41 402 1572 X	260 41 4 5 682 7010	27# 92 9 1353 	27c 92 4 92 1411 1411	28+ 6 126 3391 	28b 67 4 7 2796 ×	29a 1t. 9 13 3 3 1 - 299 1072 1 3 3 - 1 - 2 - - - - - - - - - - - - -	29b 16 5 12 115 1782 x 1 2 2 8 8 8	1211 -14 -14 -11 -11 -11 -11 -11 -11 -11 -	30b -34 7 10 -435 2277
EN-1100 1000000 EXECUTE 10 CONTROL NO EXECUTE 10 CONTROL NO EXECUTE 10 EVEN FAS. EXECUTE 11	16a 83 9 759 817 <u>x</u> <u>x</u> 1 1	165 89 6 9 1158 2106 X X X X X	173 89 4 433 638	17b 85 7 449 835 	16a 88 3 478 1580	1825 94 4 362 1352	19a 87 1 442 1152	195 87 3 1 ?28 2742	2Qa 85 3 566 1455 	20b 65 3 458 1546	21a 83 2 3 61 236	210 83 4 105 365	228 87 3 6 768 768	22b 87 4 5 220 863 	23a 92 3 5 5 5 3 6 3 6 1250	2 sb 91 7 5 264 934	24a 86 5 7 434 1218 X	24b 96 9 1522 1526 .X X	25a 82 5 7 1986 1154 X X X X	255 62 345 864 	26a 41 402 1572 X	260 41 4 5 682 2010	27 н 92 4 5 69 1 i 53 7 	276 92 4 92 1411 1411	28+ 6 126 3391 	2Hb 67 4 7 352 2796 × ×	29a (t.) 107 1 107 1 3 3 1 299 1 107 2 1 2 2 4 4 4 2 2 2 8 4 8 4 8 4 8 4 8 4 8 4	29b 16 6 12 116 1788 x 1 2 2 8 8 8	14 5 11 10 5 1 1 1 1 1 1 1 1 1 1 1 1 1	30b - 54 7 16 4.35 2227 4 4 4
The COM DIAMENT COMMENT EXCEPTION OF COM Server 2015 Diameter 2015 Diameter 2015 Diameter 2015 Diameter 2015 Diameter 2015 A. Standard Comment Server 2015 American University Comment Server 2015 Server	25a 89 259 817 × × × × × 1 1 1	165 89 6 9 1158 2106 X X X X X	173 89 4 433 699	17b 89 5 7 449 838 X	16a 88 3 478 1580	1825 94 4 362 1352	19a 87 1 442 152	1%	2Qa 85 3 566 1455 	20b 65 3 458 1546	21a 83 2 3 61 23b	21b 23 3 4 105 365	22a 87 3 6 185 768 X	22b 87 4 5 250 863 	23a 92 3 5 636 1250	2 stb 91 7 5 264 234	24a 26 5 7 414 1218 X	24b 86 9 1522 1526 X X X	25a 82 5 7 396 3164 × × ×	255 62 345 864 	26a 41 4 9 402 1572 X	260, A1 4 5 682 2010 	27a 92 9 1155 2 2 1	275 92 4 92 781 1411 X X	/84 67 126 3391 	2Hb 67 4 7 252 2796 	20A (I. 9 (3) 105 1 1 3 3 3 4 4 2 2 4 4 2 2 4 4 2 2 4 4 2 2 4 5 3 2 105 1 2 9 1 2 95 1 2 9 1 2 9 1 2 2 1 2 9 1 2 2 2 9 1 2 2 2 2	29b 16 6 12 136 1788 x 1 2 8 7 2 8 8 7 2 8 8 8 8 8 8 8 8 8 8 8 8 8	14 5 11 188 121 5 8 5 8 5 7 7 7 7 7 7 7 7 7 7 7 7 7	30b -34 7 10, 435 , 2277 4 4 4 4
ENVION SUMPRIM EDUCATION IN CO. DEVENTION IN CO. DEVENTION IN CO. DEVENTION IN CO. DEVENTION IN CO. DEVENTION IN CO. SUMPLICATION	25a 89 9 959 817 × × × × × 1 1 1 2 ×	165 89 5 9 1156 2106 X X X X X X X X X X X X X X X X X	173 89 4 433 636 	17b 89 638 X 72 73	16a 98 3 478 1580	18b 98 4 352 1352 	19a 87 1 442 1150	1% 87 3 278 2742	20a 85 3 566 1456 	20b 65 3 458 1546	21a 83 2 3 61 23b	21b 23 3 4 105 365	228 87 3 6 768 768 X	22b 87 4 5 250 623 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	23a 92 3 5 535 1250	2 stb 91 7 5 264 934 	24a 86 5 7 434 2216 7 8	24b 86 9 7 1522 1526 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	25a 82 5 7 1154 X X X X X X X X	25% 82 5 6 345 864 1 1 1 1 3	26a 41 4 9 402 1572 X X X 1 1	260/ 41 4 5 682 2010 	27a 82 9 1353 2 2 2 2 3	27c 92 4 92 1411 1411 X X X X X X X	284 57 3 6 126 3391 	2860 67 4 7 2796 2796 	20A (t) 295 295 1100 1 3 3 3 3 1 4 2 2 5 3 4 2 2 4 2 2 5 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 2 2 95 1 1 2 95 2 95	29b 16 6 12 116 1788 1 18 1 7 2 2 8 8 7 2 2 8 8 8 8 8 8 8 8 8 8 8 8	2013 - 14 0 13 1085 1284 -	Jtbb -34 7 10 435 7 3 4 7 3 4 7 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3
(19) -100 100029 (2000107 19) -10 (200	26a 83 9 259 617 <u>x</u> <u>x</u> <u>x</u> 1 1 1 1 2 <u>x</u> x 4 1	165 89 6 9 1156 X 2106 X X X X X X X X X X X X X X X X X X X	173 89 4 433 698 	17b 89 5 7 440 838 	16a 88 3 478 1580 	182 98 4 352 1352 	19a 87 1 442 1 <u>152</u> 	19b 87 3 1 728 2742	20a 85 3 566 1465 	20b 65 3 458 1546 	21.e 83 9 61 236 	210 23 3 4 105 365 	228 87 3 6 185 768 X X	22b 87 4 6 250 863 	23a 92 3 5 63b 1250 	2 sb 91 7 5 264 934 	z4a 86 5 7 434 1218 ×	26b 96 7 822 1526 X X X X X X X 12	25a 82 5 7 386 3154 × × 3 20	25% 82 5 6 345 864 1 1 1 1 1 1 1 0	26a 41 462 1572 X X X 1572	260 A1 4 5 682 2010 X	27 H 92 9 5 29 1353 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	27c 92 4 92 1411 X X X X X	284 67 126 3391 	2860 67 4 7 252 2796 	29)a 1t (3) 295 1107 1 3 -1 -2 	29b 16 5 12 115 1788 x 1 2 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	74 - 14 - 14 - 14 - 14 - 14 - 1 - 14 - 1 - 14 - 1 - 14 - 15 - 15	200 -34 7 10, 435 7 4 3 4 4
(1) (1) (2) (16a 93 9 759 817 <u>x</u> <u>x</u> 1 <u>1</u> <u>y</u> <u>x</u> 4 1	165 89 1158 2106 X X X X X X X X X X X X X X X X X X X	173 89 4 433 686 	176 89 5 7 449 835 	16a 98 3 478 1580	18b 98 4	19a 87 1 442 1152 	195 87 3 1 728 2742	20a 85 3 566 1456 	20b 65 3 458 1546 	21a 03 2 3 61 236	210 23 3 4 105 365 	228 87 36 768 768 X	22b 87 4 5 250 863 	23a 92 3 5 63b 1250	2 sb 91 7 5 264 934 	24a 26 5 7 434 1218 X 1 1 4 7	24b 96 9 1526 1526 X X X X X	25a 82 5 7 396 3154 × × × × ×	25% 82 346 864 1 1 1 10	26a 91 402 1572 X X X 1 5	260 A1 4 5 682 7010 X X 1 6	27 a 92 7 5 09 11553 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	276 92 4 9 9 1411 	28+ 67 3 126 3391 	286 67 4 7 252 2796 X X X	29a (t. 9 1299 1100 1 3 3 1 4 2 - - - - - - - - - - - - -	29b 16 6 12 115 1708 3 7 2 2 8 8 8 8 8 8 8 8 9 8 9 7 7 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	19/12 -14 -14 -14 -1 -14 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	30b -34 7 10 -34 -34 -35 -36 -36 -36 -36 -36 -36 -36 -36 -36 -36
the second	26a 89 259 817 <u>x</u> <u>x</u> <u>x</u> <u>x</u> <u>1</u> 1 <u>1</u> 2 <u>x</u> <u>4</u> 1 1	165 39 5 9 1156 X X X X X X 3 9	173 89 4 430 636 53 51 433	176 89 5 7 440 835 	16a 98 7 478 1580 	125 98 4 352 1352 	19a 87 1 442 1150 	195 87 3 1 ?28 2742	2Qa 89 3 566 1466 	20b 65 3 458 1546 	21a 03 2 3 61 236 	210 23 3 4 105 365 	228 87 3 6 768 768 7 8 7 7 8 7 7 7 7 7 7 7 7 7	22b 87 4 6 220 823 7 7 7 8 7 7 7 8 7 7 7 8 7 7 7 7 7 7 7	23a 92 3 5 636 1250	2 tb 91 7 5 264 934	24a 26 5 7 434 1216 ¥ 7 1 1 4 3 4 7 7	24b 96 9 1822 1826 X X X X X X X X	25a 82 5 7 396 3154 × × × × ×	25% 82 345 864 1 1 1 1 1 0	26a 81 462 1572 X X X X X X 1572	260 A1 4 5 682 7010 X X	27 a 92 1 5 2 3 2 3 3 2 3 4 4	275 92 4 9 281 1411 X X X X X	18. 67 16 126 3391 	2Hb 67 4 7796 2796 	29a (t 295 107 1 3 1 4 2 2 4 2 2 5 9 107 1 3 3 4 2 5 7 X X 2 3 5 7 2 5 5 7 1 2 5 5 5 7 1 1 2 5 5 7 1 1 2 5 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 7 1 1 2 5 1 1 2 5 1 1 2 5 1 1 2 5 1 1 2 5 1 1 1 2 5 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	29b 16 6 17 116 1788 3 7 7 2 2 8 8 8 4 1 98 1788 1 788 1 7 788 1 788 1 788 1 788 1 1	1912 -14 -14 -14 -1 -14 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	30b -34 7 10 435 -2277 4 1 1 2 2 7 7 3 4 4 3 -
ETH-COM USERS ELEVENTIC IN COM SERVICES DIG ON SPECIAL DIG	259 9 259 8 17 x x x x 1 	165 89 1158 2106 X X X X X X X X X X X X X	173 89 4 433 686 	17b 85 5 7 449 635 X X X X 2 2 2 4	16a 98 3 1478 1580 1580 1580 1580 1580 1580 1580 158	125 94 4 1362 1152 	19a 97 1 442 1150 	1% 87 3 728 2742 	2Qa 85 3 566 1466 	20b 65 3 458 1546 	21a 03 2 3 61 236 	210 23 3 4 205 265 	228 87 3 6 768 X 768 X 1 1 1 3 3 X 1 9 1 9 2 9 2 8	22b 97 4 5 220 825 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	23a 92 3 5 53b 1250 	2 stb 91 7 5 264 934	Z4a 26 5 7 434 1218 X 1 218 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24b 96 9 1522 1526 X X X X X X 11 11 17	25a 82 5 7 1154 × × × 20 9 32	256 82 5 86 8664 1 1 10 10	26a 81 402 1572 X X X X X 1 5 7 7 8 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7	260 41 4 5 682 7010 X 1 6 9 9 10	274 92 9 11557 2 2 3 4 2 2 4 2 2 2 3	275 92 4 9 781 T411 X X X X X X X X X X X X X	184 67 126 3391 	RHD 67 4 7 2796 2796 	22)a 10 11 12 13 1 1 2 1 1 3 1 2 1 3 1 2 4 3 2 4 5 9 - - - - - - - - - - - - -	29b 16 5 1798 2 2 2 2 2 2 2 2 2 2 2 2 2	1012 -14 5 1188 1284 5 - - - - - - - - - - - - -	20b -24 7 10, 435 2277 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 22 2 2 2
	2.5a 89 9. 259 817 x x x x 1 - - - - - - - - - - - - - - -	165 89 6 9 9 1156 X X X X X X X X X X X X X X X X X X X	175 89 4 433 698 50 51 43 43 43 43 43 43 43 43 43 43 43 43 43	17b 85 7 440 838 X X X X 70 52 X X X X X X X X X X X X X X X X X X	26a 98 3 1.580 1.580 	125 98 4 352 1352 	19a 97 1 44 1152 	1% 97 3 2742 	20a 85 3 566 1466 	20b 65 3 458 1546 	21a 03 2 3 1 226 	210 23 3 4 105 365 	228 87 3 6 768 768 768 1 1 13 X 19 35 X	22b 87 4 5 250 86.5 86.5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	23a 92 3 5 53b 1250 	2 stp 91 7 5 264 934 	Z4a 86 5 7 414 1218 X X 1 1 4 4 4 5 5 5 7 7 7 7 7 8 6 6 13 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	24b 96 9 22 1556 X X X X X X 11 12 12 3 3	25a 82 5 7 86 1154 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	250 82 5 6 346 864 1 1 3 10 10 10	26a 41 4 9 4 6 7 5 5 5 5 5 5 5 5 5 5 5 5 5	260 A1 4 5 7010 X X 	27a 92 9 11553 29 1255 2 2 3 4 4 4 21 9 9 33 222	27c 92 4 92 1411 1411 	18.4 G7 1 5 3291 	2860 67 4 7 2796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 796 7 797 7 7 7	20) 10 11 2095 1100 11 2095 1100 1 2095 1100 100 100 100 100 100 100 1	29b 16 5 12 135 1798 3 3 3 3 4 5 5 2 2 8 - - - - - - - - - - - - -	11 11 11 11 11 11 11 11 11 11	200 -34 7 10 -35 -227 4 3 -
en-ton some Enserving to one participation in the participation of the participation of the participation of the participation of the constant solution of constant solution of the participation of the participa	26a 89 9 259 8 1 1 1 2 X X 4 1 1 2 X 7 2 1 1 2 7 2 5	165 89 6 9 1156 2106 X X X X X X X X X X X X X X X X X X X	173 89 4 433 636 	17b B9 5 7 440 635 	1000 98 3 478 1580 478 5 5 5 5 5 5 5 5 5 5 5 5 5	1825 94 4 352 1352 	19a 97 1 442 1152 	1% 87 3 1 728 2742 	20a 85 3 566 1466 	20b 65 3 458 1546 	23.0 03 2 3 61 235 	210 23 3 4 265 	228 87 3 6 768 768 768 785 768 7 1 13 13 13 73 72 70 70	22b 87 4 6 220 883 7 7 7 14 12 12 12 12 7 7 7	23a 92 3 53b 1250 	2 st) 91 7 5 5 264 934 	24a 26 5 7 434 1216 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	245 96 7 8 22 1526 X X X X X 11 12 12 5 3 379 72 72	25a 62 5 7 395 1154 × × × 3 3 20 3 12 14 11 11 76 55	250 62 5 6 345 964 1 3 1 0 10 10 11 11 14 76 59	26a 91 4 8 402 1572 X 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	260 A1 4 5 682 2010 	27 # 92 1 5 29 1155 2 2 1 	27c 92 4 92 781 1411 	284 67 3 126 3391 	28b 67 4 752 2795 2795 2795 2795 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	20)A 11 12 13 1007 1, 1, 24 1, 1, 2, 1, 2, 4, X, X, X, X, X, X, X, X, X, X	23b) 16 6 12 14 17 2 2 2 3 3 4 4 5 2 2 3 3 4 4 5 5 2 2 2 3 3 4 5 5 2 2 2 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	2713 -14 5 13 186 13 186 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	20b -24 7 10 435 27 4 3 5 20 20
EN-100 100000 EXECUTE 10 (IN EXECUTE 10 (IN <	26a 89 9 259 8 1 1 1 2 2 3 1 1 2 2 3 1 1 3 4 4 1 2 5 2 5 2 5 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	166 39 5 9 1156 2106 X X X X X X X X X X X X X	173 89 4 433 686 	17b 83 7 440 835 	2000 98 3 470 1500 	3 82 98 4 3 152 1 352 	19a 97 1 142 11 <u>52</u> 1 <u>152</u> 4 1 <u>52</u> 4 2 2 2 2 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3	1%5 87 3 728 2742 	20a 89 3 566 1466 	20b 65 3 458 1546 	23.0 (3) 2 3 61 236 	210 23 3 4 105 265 	228 #7 3 6 6 7 6 7 7 8 7 8 7 1 1 3 3 7 7 7 7 7 7 7 7 7 7 7 7 7	22b 87 4 6 220 863 7 7 7 7 7 7 7 7	234 92 3 5 636 1250 250 250 250 250 250 250 250 250 250	2 sb 91 7 5 5 264 934 ×	24a 26 5 7 434 1216 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	245 95 7 522 1526 X X X X X X 5 11 11 12 5 3 79 79 79	25a 62 5 7 395 1154 × × × × × 20 × 20 21 13 13 75 55	255 82 3 46 6 46 4 6 4 7 1 3 1 3 1 1 1 1 1 2 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	26a 91 4 8 462 1572 X 5 5 5 5 5 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	260 A1 4 5 682 2010 X 	27 # 92 1 5 23 1353 24 4 21 30 30 30 22 79 55	276 92 4 92 761 1411 X X X X X X X X X 20 10 10 20 669 55	284 67 3 6 126 3291 	256 67 4 7 252 2796 	20) 1 1 1 29% 1000 1 29% 1000 2 3 4 2 X X 2 X X 2 X X 2 X X 2 X X 2 X X X X X X X X X X X X X	29b) 16 6 12 13 14 1798 2 2 2 2 2 2 2 2 2 2 2 2 2	3/31 -14 0 11 1864 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	100 -14 7 10, 435 -2277 -4

.

APPENDIX TABLE 6 Foraminiferal occurrences along transect II, Chezzetcook Inlet: format same as Appendix Table 4.

周卫子和道道中的"自己"。
间上,只知道你们知识中中于
⋽ <u>⋛</u> ⋽ <u>ॣॻ</u> ॖ <u>ॻ</u> <u></u>
╶╢┋┱╵╍╴╍┊╴╬╍┝╍┫┝┯┥┝┿┥╇┽┥┿┽┥┿┽╺╂┿┤╍┿┨╦┵╵┿╸
╶╢╤┿╵┢╍╴┿╶╍╦┪┎┿╽┝╾╸┍╼╕┢╇╸┝┾┽╼┽┧╞╪┽┝┿┽╘┿╛
╶╢ ╺╪╸╪┈┊┝╌┊┝╶┊┝┊ ┝╪╵┿┼╺┼┶┊┝╢╡┝┯┽╼┽╍╞┿╎╞┿┥╞┿┥ ╶╶╧╻╴╝╞╝╞╴╠╴╩╶╶╶╻╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴╴
المنتقلة على الجارية بل حاجل جارياً الجامية المحمد ومجار المحمد وحرار المحمد ومراجع المحمد ومراجع المحمد ومراجع
┊╪╾┊╧╶┊╴╡┥╍┥╇┽┝╇┼┷╸┕╼┥╇╋╬╫╣╼┤
8 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
$\begin{array}{c c c c c c c c c c c c c c c c c c c $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

APPENDIX TABLE 7

Foraminiferal occurrences along transect V, Chezzetcook Inlet: format same as Appendix Table 4.

	÷.	-		$z = \frac{\alpha}{\zeta}$	1	-	1	1		<u> </u>					1	11	î :		r !			
	đ,	ļ,	2	1, 1		Ę.	11	12	' ' .	JU.			1	. 14	2	• 1	ti	H	11	1	1	-{ •
		+ ~~	: <u>-</u>		÷	t1	• ·	l H			1	• •	e i	÷-Ì	÷	• • •	Ĥ	÷	Ĥ		Ĥ	$\left\{ \right\}$
	Ē.	. ï.			ίŕ	, m4		14	ŀ-í		-		-op-		1		4	+		 است	ú	
	5	7	, ,	1.1		^^			6						2			÷	- ;	-กิ่	골	
	5		Ŧ	1.3	1	-1	1-1-			3	+	m 1 -		11	1		4-4			- 44 565	+++	
	2	<u> </u> -	1 _			+	H	Н	-1-		+-	ŀ·	1	ر الله الم ا	+i-	+ -	++	نا .		#	+	
	÷	ļ	ļ	۱	-	i −i.	ΗĤ	H		++	4		ίH'	++-	44-	1	Ļ.	Ę,	1	11	4	I
	<u> </u>	-	<u>+"</u>	<u>ن</u> ب		<u>-</u>	1.4	×	4.			1.	H	1	1	μ.			[ت	ĵΪ.	ĥ.	
	3		1 e L.1	à I				×	÷	11.	i			ഷ	4	ì		. 1	-1	'n	ñ	, [•]
	-745		F ~	1		pa.	[1.	. 1		.1.	1×		, <u> </u>	ind.			+			երը՝ Դրդ	}{	
	÷.		+ <u>-</u> z	- <u>-</u>	+ +			سل ۱۰ سا	uigi i	• • •	- fri		44 	-+- 0. m i		i	+	Н	H-H-H	st. ⊻	<u>+</u> -~	+
	-			⊢ –	+	Цî		D	Ц.	i	.p	-ł-	-	4	Ĩ.	Li.	4		Lt:	÷	ij.	1
	1	ж ¹ ,				1		Ĥ	-	4			11	. 1		1.[_	Ц	_	ĽTÍ	79.	4	4
,	\$ (N	J.	. *	14 H		×	i i	×	1	i i I	1	1	i i	0	Н	d.	1	1 :	۳Ľ!	~	17	14
	19	μ.	,	÷ ;		1		1-	1	2	×			7.44	F	1			11	- - Intra-	in.	1
	3			⊢ ∛ -2		kandar L	[취제	ښې ۱۱		}i	 5 %	≩		-		ulu Ulu	- الله ماهات	ių. Ju	1
			+"			Щ	1.1			1	+	L	4	1	1	-1.	• •		-1	4	ŋ.	•
	1	Ľ		<u>د</u>		.1		4	_!!	비	_		Ц.	1	3	11.	H		Цļ	11	Ц	
	ŝ	7	- 1	- 8				1	4	37	1		Ш		17.	E	1		L!"			Ŀ
	je:	2	- 2 	4 g				1	1	sj-	1			ix +	14	ļ	-		$\vec{\tau}$	1	Н	þ
	7	3		2 2	1		1	1		ă, e		1		id a	1	i	i l	الىر ت ار ر	M	1.	4	11
	- and -			5 9	ابت. ، ا	i		님	i	a.l		 `		السينا المان	। 	-	≁∔ El	ا	цц Ц	14	- . +	-
	-						1	-			4	- 1-		4	11	4-	<u>11</u>			. [1]	[]. In	
	4		4,	- <u>p</u>				-11	-	ñ •	1			4	11	1	1		e e	-	Fl.	
	12	68		53-16 33-16				-		1	1			4	3	×	-		55	귀지	1	
	154	4	• *	10.54			:			1				e2 78	3			·	- 9	e le le	P	
	411	2	ч ¹	8 5									1	1	54	11	t]	1			23	
	-1	2	÷ *	154	Ť	×	1	1		:1			1	X	1	Π	1.	1	Nel	103	-	Ĩ
	8	¢.	-	3 3	-+-		1	1	i		T	T		- 4-4- -	12	T	Ĩ	1	212	1.74	t구 망	Π
	-			5 6	+		-	-1;	1	1		-+		11-	-lee		i	-	d.	U.	4	
	2			S R 							-	-		+	- T -		Ц	-				
	4	i. 	<u>.</u>							_				1	H	×.			8-1	18/4	ŀ,	
	3	11	n	150					1		_			1	11		1		90 90	رز 		
	8	ţ,	- ⁻	6.02 1780											4	1	1	1	245	55	ę	
	86	÷	. "	41e 148		1		1	•	i					ļ.		•]	1	45	13	10	
	ë.	3		2 8	_	Ì		1	i					1	1	×	ij	"i	39	l is	P.	1
				g 0	t	1	T	-	ī		1			++;	14	Ť	rt		28	x	2	ì
	F.	· · · · ·	÷-		-		•	+		-	T				ti-		Ť		N.0	-++-	Ŀ	Н
	7	ε.	<u> .</u>	14 E				-						-tr	++	rł-	-		H	tt	++	
	3	12	-	4 ŭ				11	-	T		-			1× × ††≏	×	T.	тİ		++	137) - - -	-
	ş	1	Ļ	ę. ę.	-+-		 		ا ' سبب								++	,	-1-1		q	
	3	2	~ ~	007.				1	1			1	t t Lad		. i.	 - - -				: 1		
	ą	2		69. H			1				1				11		Γļ		П	00	103	
	3	2	-	7 3	T	1		7	_		1				ţ!"	٢Ţ	Ħ	-		- 90	i i	11
٢	ŝ	7		S 8		-	-	t		-	1	1	1	h t†	ť	t	-+		Πţ	١Į.	ţţ	+
	7			6 5				- +-	1	-		-+-	T		ŧt	$^{+}$	+	+	+	+	ţτ	+1
	-	ня. Г	2		• • •		-+	T	+		***		1		ţ÷.	ł	۰ł	-1	H	H	Ĥ	+ i
	-		ļ	· · · ·	: -			- †-1			-		į.,.	+++		-	⊷∤	~ŀ-	Hi	÷	ŕ1	+
	2	-4 		ια Ξ 	1-		}				4-1-0		ļ		+1		; ;-†		Щ	Ц	17	a
	2	2		2 2	-	! 	: •-⊢	-				Ц	! 	L L	++-	ı Luk	44	1	Ц	+	: ++	د. ب
	2	Ľ.	بر م				i.				1	, , .			•) 	i	• • 1 1	i i L		Li	11	
		1 7	1		6) () 	12 m 1	ja e L	in.	Sacp-	la e Li di la	.1.24	ian I			nea }	다. 신	ijuli. A	and I	GEL I		in la	5.61
		お合い	17.	i gener	Ę		1		÷				12		1.		о - - (121			
		売す	1.5	1.40	5		1.	÷	Ś.				12			4 4 4 4			131		1	ļ
	CALMER L		PLC21	n vicer n * a	ŀ,	12.57		Į.	÷,	1.1	ŝ	1	Ş.	l.				2927.1	i i i	71		2
	APTON.	1282		- 2	Ę.	ŝ,	Ę.	E)	ŝ	4	s,	Par.	1.1	đ.	ЕĮ		į.	50	1.1	Ъİ	į	e de c
	1	2	Ŀ.	L ZÂ.	i ⁽	i ^	1	Ľ.	ć.	, j. Li li		Ê,	1	÷ш		- 1	ĺ		1 L	1	. i	<u></u>

APPENDIX TABLE 8

Foraminiferal occurrences along transect IV. Chezzetcook Inlet: format same as Appendix Table 4.

	in in the second	المتطلقية بالالالاف فليفتح بالالا	· ; ; ~ · · ,
	مرجعين المائين مع المائين مرجعين المائين مع المائين		1.54.6.2
		(1) A. A. A. A. A. A. A. A. A. A. A. A. A.	
		برودهم والمحصر والاعتقاد ورؤاهم	
		그는 말 같이 아이는 것이.	l dave av 1 da en d
			i i i j i i i A subi i
	and the second		
	pagenga ang pang ang pag- Kantananan ang menananan ang pang	A second s	
	المراجع المراجع		1,1,1,1,1,1
	이가 걸쳐 주말을 알 못하는 것을 들었다.		14114
	ing éte négé in piel. Einennen internetien	4 Profiles referingent	~qZi - j
	12 1 1 1 2 m 1 1 1 1 1		1.42
	· · · · · · · · · · · · · · · · · · ·	a presente de la companya de la companya de la companya de la companya de la companya de la companya de la comp	
	· 플라이 알 린 … 가격 · 프로토리 · · · · · · · · · · · · · · · · · · ·		اند (تارید مستقدم ا
	년 11년 1월 11년 11년 11년 11년 11년 11년 11년 11년	Labor to be filmed	ala di
	hi ka manani si ka sana y	ويصابعهم والمترك التكريم والمراجع والمرجوع	+++++
			1.1.1.1
	Fight Angel	2.11	اتيا مير شه
	my d l h h have		444
	<u> 전에는 한 한 가 가 가</u> 다	and the state of the state of the state of the state of the state of the state of the state of the state of the	1.1.1
	ha ha ha dha a an an		Station in the
		and the construction area in any second	fried from the
	311 [[2 4] [44]		14.4.1.1
	- 1		
	[레이어 [호킹 :] 공임		1.11
		م مع هو الشريف المراس من الم الم المستحد الم مح مع هو الم هو يو هو المستحد م من مستحد الم	
	had a second sec	: * ㅋㅠㅠㅋㅋ * ㅋ * ㅋ * ㅋ * ㅋ * ㅋ * ㅋ * ㅋ * ㅋ	to exchange a
	1월 M M 국왕 등 감독		1.1.5
	arary tame distri		11.01.04
	ha ga han da an han ha ha ha		-+++1
	[#] # [# 4] () (All	그 일을 수 없는 것 같은 것 같이 많이 많이 많이 많이 많이 많이 많이 많이 많이 많이 많이 많이 많이	enter i e
			1111
	┝┉┿╍╼╼╴╏╲╴╝╼╅╡┲╠╌	the product of the second states of the	11111
	[#] 옥무 경우 왕님 말까?		1100 000
			1111
	Entertained a gradient and a	╺┶╼┧╈╪╬╓╬┿╪╉╬╘╻╢╝╢╸	1
	[속] 도 귀추었 드 가슴	1	1144
		kapagangan ka mpaningangangangangangangangangangan s	777777
	· 코티스티프 프 슈 슈 - 트 - 네라	승규는 승규는 문문에 가지 않아야 하지 않는 것이 같아.	وودور لسايد ا
	مراب المحاط ، التي من التي المراجع التي المراجع التي التي المراجع التي التي التي التي التي التي التي التي		اورد استخدار . ا ه از مراجع ا
			بوری ایران ۲۰ می ۲ می از از می ۲ می از از از ۲ م ۱ از از ایرا از ایران تور
			بوری کرد :
		5 (12) 5 (12)	
		$= \frac{1}{2} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n}	
		25 μ 25 μ 27 μ 2 μ 2 μ 2 μ 2 μ 2 μ 2 μ 2 μ 2	
2.4			
21			
2.4			
2.4			
224			
226			
2 4 5			
24			
216			
24			
214			
24			
228			
24			

APPENDIX TABLES 9, 10

Foraminiferal occurrences in the Chebogue Harbour marshes: format same as Appendix Table 1.

					· · · · · · · · · · · · · · · · · · ·	المحمد محمد محمد والمحمد المتحم المراجع والمحمد
	and the second sec			5		the second second
district of the second			enel lee		e e e e e e e e e e e e e e e e e e e e	a ka ka ka ka ka ka ka ka ka ka ka ka ka
1511111	alara a la alara da a	1				
		,				e rete
17.1	والإيراق فالمتصاد متناو	a na ana ana ana ana ana ana ana ana an	1111 111			المستحد والمستقر
10.		· · · ·	1.1			
an an an an an an an an an an an an an a	alar song da taka Tarih		11771111	1111111		· · · · · · · · · · · · · · · · · · ·
a i i i i i i i i i i i i i i i i i i i		аны. Аларынан аралы		1.21.21.2.2	د. ماسیر در ۱۰ میردد سردر	الأمعا بالمتعاد الأرار والمتعا
dina di se di se di se di se di se di se di se di se di se di se di se di se di se di se di se di se di se di s						
al is malify in the	·					التبكيات وكسوكة إيد
44 ⁶ - 114 (19)				7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	÷	
A R R R R R R R R R R R R R R R R R R R		and the second sec				
موجو والمراجع المراجع والأراج	أجداد والإستاد والم	an a start a start a start a start a start a start a start a start a start a start a start a start a start a s	9-1 1 · · · · · · ·	ge ge end	ب ب ب ب ب ب ب ب	
	and the second sec		13	12		11
	a an a gu a a	· · · · · · · · · ·	alessa e e contra e. Teoria	1		n na sana ana ang paginan. Na sana ang paginan
and the state of the second se	- ۱۹۹۹ د به د باله و م دور و م	and a second second second second second second second second second second second second second second second s	1		e a construction de la construcción de la construcción de la construcción de la construcción de la construcción La construcción de la construcción de la construcción de la construcción de la construcción de la construcción d	
ter straft	de la			i i i i i i i i i i i i i i i i i i i	1 · · · · · · · · · · · · · · · · · · ·	
and the second second			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		وتستستر والإلار الالا	an philippine and the set
and the second s					1 12 1	
na ana ana ang ang ang ang ang ang ang a	· · · · · · · · · · · · · · · · · · ·		in a na h-transmission I			and a second sec
· · · · · · · · · · · · · · · · · · ·	diller fran 1	1 1 1 1 1 ⁴ 1			1	المتريدية والمتوافقات
		1.1.2		and in g		
	····· ; · · · · ·	· · · · · · · · · · · · · · · · · · ·		. ; ;	for follow the state	en en el la companya angla el la companya de la companya de la companya de la companya de la companya de la com
				1.		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	n na hTarrana Na hArana			1.03		and the second s
· · · · · · · · · · · · · · · · · · ·		a a b a d alam		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	and the second sec
				* *		
en en en en en en en en en en en en en e			14 m m m m m m m m m m m m m m m m m m m		• • • • • • • • • • • • • •	ا و معید اید اید و دانو ایو مؤسولیت است. اور این داد و دانو ایو مؤسولیت است ا
Sakiidi an an an an an an an an an an an an an		4			و مشرقه المسلم الم	ار از این میکند. از مسلح افراد مواد و میکند از این م
		-				structure and the state of the
وحضورهم منتقا المتنقيات	, ; , , , , , , , , , , , , , , , , , ,	dana si si si kati	an an ann ann ann ann ann ann ann ann a			n marine and a second second second second second second second second second second second second second second
The Physical Section 1995					14.11.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	the product of the second second second second second second second second second second second second second s
	er e					
	• • • • • • • • • • • • • • • • • • • •	1			$\frac{1}{2}$,, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$	
				1 1	1.1.1.1.1.1	
- La dana kanakana kata kata kata kata kata ka	· · · · · · · ·			1 1 - 4 - m m m 	4 m m f + 1 f + 1 f + 1 f + 1 m f	un de la servicie de
in the second second second second second second second second second second second second second second second		مترجع أتدريه	unhadow 11		1	
والإستادية والالتام متأويت				n ha da manafar prépané.		
i Sila Sina ang katalan katalan katalan katalan katalan katalan katalan katalan katalan katalan katalan katalan						 Charles for a state of the second
	ا بنه او	~ 171		t et al.	5101	
, , , , , , , , , , , , , , , , , , ,		+++	e ne de né né e la ferrar pe		dan dari da bar bar bar bar bar bar bar bar bar ba	an ala e la colonada da ala a a a co
2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C	n n kulta in n n kunta in n		18		2 a .	×
	· · · · · · · · · · · · · · · · · · ·		- the set matrix the starting, e.g. and	is not independent of the and i	والما محمد فريد بالبل بالارد ور	and an and a sub-the set of the set of the set of the
		× × ×		11 F 18 18	, extens , ,	
Anter an teadamakan.	of na ey farafa	a a a a a a a a a a a a a a a a a a a	a i i i . A a cara a sa a sa a sa a sa a sa a sa a	and an pulse of or of	s - a magazina di mana di si si si si si si si si si si si si si	and the second sec
7. [
						$\begin{array}{cccccccccccccccccccccccccccccccccccc$
			ی این از می این این میشد. در در این این این میشد این می مقالد در این این این این این این این این			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
						$\begin{array}{cccccccccccccccccccccccccccccccccccc$
						$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
						$\begin{array}{c c c c c c c c c c c c c c c c c c c $
	3					$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	31					$\begin{array}{c c c c c c c c c c c c c c c c c c c $
	- 13 - 13 - 13 - 13 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
	. 3 2 2 2					
	33					
	4) 4) 2)					
	32					
	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					
	37					

APPENDIX TABLE 10

Continued.

STREET OF STREET	22 27 28 28 28 28 28 28 28 28 28 28 28 28 28	10.2
au. of styrt.		
act of the Wilson's Standard	1 1 <td></td>	
		T i
		•
		1
Parts 1 and a seco		- [×
41.14		
T		-
reitan 1. aantar 2. aantar		
"These bases		: !
		1
Market Regional		
ماليم والمراجعة والمراجع		
The second a subjects		
Buill Presson " Sec."		
S With Distance -		
24.00mm		
W. Harris & David		10
l i gene comentaz 2. kultura		
Zer neurfalffur Prisiaer ann		1.
andre start of the s approximation		
s the cas		- 17-
arer au da farie		
Durfu Luffer New Jacob		;]
2016 - 14 - 22 2016 - 17 - 24		5
1820 Auror C. Jayn 1842		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
2. North-Unit 1		
P. Ladad A. J.		Т
1. AMATO		
states within		
WWWWWW	administration of the second	Ì

APPENDIX TABLES 11, 12

,

Foraminiferal occurrences in the Wallace Basin marshes: format same as Appendix Table 1.

	NUMBER OF	IN BUR			2.91	3.0.2	201	122	10,	$\frac{1}{2}$	10,	14,	243	207	26.1	20,2	Ze.	24.7	201	24,	2+1	24	2f,	2F2	зa,	202	.36.2	201	3e1	1¢.2	sd _j	м,	101	- de _	44	4.0	412		
	64. 3F 10 71. 66 7 10	VG1as		÷			¢	المش	5	7		6		4	4	3	6	5	4	4	51	2		3	4	5	6	5	·	5.	6	5	i o	1 *	1 1	1	i		
	NG. OF IN	ULVIDBA	LS PEP		194	58	9 149	3 382	125	32C	7 199	? 1 <i>3</i> 0	46	3 51	5. b1!	12	16	7 38	36	ਮ 42	£0	9 29	22	<u>)</u> 6 	394	207	-4 - 52	:47	îε	305	10 84	1 120	13	34	1	-	1.5		
	Jan Frank	erea di	1174	- 13	968	5.24	2130		,462	184.21	921	set	273	212	490	211	<u>611</u>	.159	1477	11501	500	226	180	520	1845	./36	1042	1426	1729	15.4	- 5	1 3402	1 1	4	<u> </u>				
	A. J. Par	ruñ	~~~~			· · · · · · · · · · · · · · · · · · ·			-														-46	25			-				v v	ļ		11					
	Ten tiure	3-51-4585		Ť	- 1					- x -		2			x	ţ		1	X	×	-	10	46.	25			3		x		10	1 10	26	24	<u>it</u>		+		
	105200	112.55	(499 J	ь 7			-6	2		x						<u>+</u>			- 44	1/	31								- 5 -		i	Ε,	1 6	1 8	-+-				
	S Acres 5	0.9	mar (fa	1.				- <u>1</u> 3	<u>6</u> 2	· 4	4	}			1		_}	3		8	3	-	x	14	2	5-	1	- 0		1 X		1	- L			+	-		
		an anan	n britina	n (41		*				ļ				_												-							+				
	$ w' = w \phi_i $	o sel i	Teach	17 C. T						-	-						-														1 =		1		+		1		
	. 1557 h., 60	40%		7	· ····· +											ŧ																	<u>+</u>			+			
	a served a	126.1297		L					- 10.00						-	1												·		i	<u> </u>	<u>†</u>	1	+	+	=	+	í	
	46 inplies 	and deep	ore .	- F.	1	_X _		x		1 v						14	Ľ.	X				2	5	2	. <u>x</u>			x			÷	<u> </u>	1 4	+	 	-			
	Notesretes 	5 1000	285		×	<u>X</u>	. 8	1	X		1	1			È	1	X		<u>6</u>	4	1.5	- 1-	1		3		X	×	- <u>×</u>	7	X	- 1 X	X	÷.×	-				
	BUCanda	a juuru			17	57	44	40		22	- 64	76	I		t=	t x	<u>×</u>	- x -	30	3(79	10	10	17	tír.	4	ů	5	19	q	- 64	1 23	44	1 36		+			
		1910-1420 - 11 The second second second second second second second second second second second second second second second se	rs igt (4			X										1	×				- +	1									<u></u>	-	1		-				
	Poplar Juni	1962 A.M.	201304	<u>.</u>]									`-								<u>x</u>									+,-	4	117		1			
	-3417 1 h	1000 - 15		<u>.</u>												+	·					-	_		—					ţ	×	X	1		7		T		
	i da e	ur s		- 1	17	· <u>j1</u>	12	12	37	ł.	à	5		4	24	23		37			X		- 2		- 27	21 .	64	14	11	4	12	1	- <u>N</u>	<u>x</u> ."		-	+	i	
	The strain		n na se		24		17	1) 56	34 49	26 56	21	5 2H	2	2	2		14	43	33	7	13		18	22	25	22	20	48	7 (8	4.7	- 2	+:-	f.	5	+		-		
	T mamor			- 7	46 49	40	- 29 - 11	32 8	40	42	20	-11-	7 98	96	8-	5.4	16	3?	43	40	30,	38	35	30	45	47	66	64 21	32	- 29	16	10	7	0	1		+	-	
				<u> </u>	,78	. 24	_ 6 !	5_)	2	L? .	<u>X</u>	1 x	978	98	. 91	190	. 37	12	1.4.1			6]	18	18.	1, 24,	47	L.4	L 2)	LX	1 * -	L.d	.i., <u>)</u>	1_2_		min	<u>ا</u>			
-rate a somere	>3,	547	5k.1	5b.2	na 2	6a1	60 ₁	ω,	(a ₁	60.2	64 ₁	6d.2	6e,	50°,	61	61,	7a,	1 ⁷⁸ 2	⁷ b ₁	762	781	17 ₂₂	76	^{7d} 2	71	702	11	in,	Ca ₁	da ₂	45	14	2 212	. a.	2 7 60	1 734	3 80)	~ ×e.	sr, erg
- TWEER SOMESP W. J. M. SPECCH., Conv. Database		5.4, 0	- 5k1	56 ₂ 0	⁶ 14 2 2	6aa ₁ 2	60 ₁	60) ₂ 1	(*1 1	60.2	64.1 4	6d.2	68, 7	500 y	61 L	61, 7	7a,	13a2	7b1 5	762	721 6	17=2	761	² d ₂ 4	7 ₁ 5	70.2 6	/f1 0	ir ₂ ī	04 <u>1</u>	^{da} 2			84	L 8'	2 100	1 74	3 20	- He.	471 872 1 7
-rAll-N SOMOSE W. R. MPSCHL H. V. DOLLA R. V. HENYLDOAL TYR		54) 8 0	5k-1 3 4	582 0	⁵⁴ 2 2 3	6 a 1 2 2 249	60-1] 4 116	600 ₂ 1 4	6/2 1 5/4	5 5 199	64 4 6.	64 2 8 34	6e, 7 10 59	60.7 7 53	65 4 10 26	61.7 7 11 19	7a, 0 5 0	782 1 6	7b1 5 3	7b 2	7r1 6 7 216	* 7=2 6 ?	76 ₁ 7	2d ₂ 4 10 96	7#1 5 10 76	702 6 124	/f1 0 8		00.1 1 20	4a) 2 7			2 X C	L 81	2 60	1 754	3 BU) 4		
マムモンカ 5000058 サートボックロウム (ho) コール・マンロイム (ho) オール・マイドロウン (LOAL コンス ユーーカ ² ・ビリウン(LOLL)	· · · · · · · · · · · · · · · · · · ·	5.4 0 0	5k, 3	562 0	942 2 3 155	6a 2 2 249 440	601 3 4 116 140 <u>8</u>	60.7 1 4.100 1218	(01 1 5 54 1260	602 5 5 149 1055	641 4 6 105 Ac4	64 2 8 36 1264	6+, 7 10 59 897	500.y 7 9 53 732	61 4 10 26	61. 7 11 14 6. 25	7a, 0 5 0 650	782 3 6 15 425	7b1 5 7 48 3120	7b 2 6 216 1340	721 6 7 216 816	1 7=2 6 ? 14n 593	76 ₁ 7 1 - <u>7</u> 1 - <u>7</u> 1 - <u>7</u>	24 ₂ 4 13 96 1624	7#1 5 10 70 90	70.2 6 124 1106	/f1 D #	Tir ₂ T	0a1 1 20	da ₂ 2 7 17	4b1 	14 7 7 15	812 4 1 1 1		2 80	1 74	3 50) 4 4 4 4 4 4 4 5 4 2		$\left \begin{array}{ccc} sr_1 & sr_2 \\ 1 & \vdots \\ s & s \\ \hline s & s \\ \hline s & s \end{array} \right $
	2333 7 1 1 1	5%) 0 0	5k, 5 4 0 8	Sb ₂ 0	542 2 3 155	6 a 1 2 2 949 440	601 3 4 116 1468	60.2 1 100 1218	(01 1 5 1260	602 5 149 1055	64 <u>1</u> 4 6 308 84	64 2 8 36 1264	64.1 7 10 59 897 2	5003 7 9 73 7 112 8	61 4 10 26	61 ₂ 7 11 14 525	7a, 0 5 0 650	782 3 6 25 425	7b1 5 48 3100	7b , 7 6 216 2240	721 6 216 <u>816</u>	1 7=2 6 2 14n 593	70	2d2 4 10 96 10 2624	7#1 5 10 9E0	702 6 124 1106	/f1 0 #	752 1 1 33	0a1 1 20 1	da ₂ 2 7 17 12 5	- 40-1 	145 77 145	× × ×		2 80		3 buy	4 4 1.31 2 2 497	
	235 2 1 k	54) 6 9 9	5k'; 3 0 8	\$b2 0	542 2 3 00 158	6a 2 249 440	60-1 3 116 140 <u>8</u>	60.2 1 1.00 1.21.8	(**_1 * *4 1285	602 5 149 1055	641 4 6 708 844	642 2 8 36 1204	64, 7 10 59 867 2 8 87	500- 7 9 73 9 73 712 8	61 4 10 26 10 8 4	61, 7 11 19 5, 25 15 15 15 15 15 15 15 15 15 15 15 15 15	7a, 0 5 0 650	782 3 6 75 425	7b1 5 48 3100	7b 2 6 216 13240	7r1 6 7 216 <u>816</u>	1 7=2 6 ? 14n 593	76 7 184 184	2d2 4 10 96 1000	7#1 5 10 70 400	702 5 124 1406	/*1 0 	11.2 1 33	0a1 30 221 1 20 1	da, 2 7 17 12 12 5	× 145 + 145 + 145	91L	28c		2 80		3 (20) 4 6 4.5 6 4.5 7 7 4.5 7 4.5 7 4.5 7 4.5 7 4.5 7 4.5 7	4 131 3 2 (M7	
- TALLE & SUMMER W. J. W. MARKER STAND LIVER THE WEIGHT AND AND AND THE STANDARD AND		54	5k, 3 4 0 8	\$b2 3	542 2 3 9.3 1526	6a) 2 249 440	601 3 116 140 <u>8</u>	60/2 1 100 1218	(~1 1 5 1285	602 5 53 139 1055	641 4 6 308 Ac4	64 2 8 36 1204	6+, 7 10 59 897 8 97 8 97	500.7 9 53 7 12 8 3 1	61 4 10 26 1 0 8 4 10 26	61 ₂ 7 11 19 5 25 10 10 10 10 10 10 10 10 10 10 10 10 10	7a, 0 5 0 650	782 3 6 75 425	7b1 5 48 3100	7b 2 7 6 216 1240	721 6 216 <u>816</u>	* 7=2 6 ? 14n 593	7d 7 16 16 16 16 10 16	2d2 4 10 96 2624	7#1 5 10 9E0 8E0	70.2 6 124 1406	/f1 0 8 	752 1 33	0a1 30 21 20 1 21 6h	da2 2 7 17 12 5 2 17 2 12 5 	451 	9112 77 16 1 X	82 6 1 1 1		2 80			4 4 131 2 1497	
- 2044 (* 3. 5000000) - 2014 (* 3. 5000000) - 2014 (* 2014) - 2014 (* 2		5 m > 0 0 0	5k3 3	\$b2 0	944_2 2 3 1528	6a) 2 249 443	601 3 4 116 1408	60% 1 100 1218	(*1 1 5 1280	602 5 149 1055	64 <u>1</u> 4 6 308 854	642 2 8 38 1204	68, 7 10 59 897 2 897 1 1	500, 7 9 53 7 12 8 9 1 7 12 8 9 1 7 12 8 1	61 4 -4 -26 	61.7 7 13 14 5 25 15 15 15 15 15 15 15 15 15 15 15 15 15	7a, 0 5 0 650	782 3 6 25 425	7b1 5 48 3100	7b2 7 6 216 2240	751 6 7216 <u>816</u>	7 7 2 6 ? 3 4n 593	7d 7 16 14 16 14 16 14 16 14 16 14 16 10 16 10 16 10 16 10 16 10 16 10 10 10 10 10 10 10 10 10 10 10 10 10	2d2 4 10 96 2624	7#1 5 10 90 90 90 90 90 90 90 90 90 90 90 90 90	702	/f1 0 	7K2 F 1 33	0a1 3 20 21 20 1 20	4a2 2 3 17 12 3 	40-1 10 9 145 1 10 9 145	1412 7 16 16 1 1 1 1 1			2 8d 18 1		3 Bey 4 6 43 9 14	4 1.31 2.047	
The Source Sources The Sources Sources The Sources T	23 7 1 1 1 1 1 1 1 1 1 1 1 1 1	5%) 8 9	5k ₁ 5	5b2 3 1 1	942 2 3	6a 2 249 443	801 3 116 1409	50.2 1 100 1218	(a1	602 5 149 1055	641 4 6 305 844	64 2 36 12E4	68, 7 59 88,7 2 8,8,7 2 8,8,7 2 8,8,7 2 8,8,7 2 8,7 7 1 7 1 7	60, 7 9 13 7 12 8 8 1 7 8 1 7 8 1 7 8 7 8 7 7 7 7 7 7 7	6f ₄ 4 10 25 1 θ <u>κ</u> 20 1	61.7 7 14 14 25 15 15 15 10 14 14 10 10 10 10 10 10 10 10 10 10 10 10 10	7a, 0 5 0 650	7a2 3 0 75 425	7b1 5 419 3100	7b 2 6 216 1240 1240	221 6 616 616 18 24	7 2 2 6 2 14n 593	70 7 164 8 1948	2d2 4 10 96 2624 	7 ² /1 5 70 90 90 90 90 90 90 90 90 90 90 90 90 90	702 6 124 1106	251 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	77.2 I I J J J I I I I I I I I I I I I I I	0a1 1 20 21 20 1 7 20 1 7 20 6 5 7 20 20 7 20 20 20 20 20 20 20 20 20 20	da, 2 7 17 12 5 		*il., 7 7 16 X			2 80			4 131 131 131 131 131 131 131 131 131 13	
-2011 - 3 -000058 	233 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	54) 6 9 9	5k, 3 0 8	5b2 3	942 2 3 158	6a ₁ 2 241 440	601 3 116 1408	53) ₂ 1 130 1218	(0] 1 5 5 1260	602 5 149 1055	64, 105 Ac4	663,2 9 10 1204	54 7 10 54 897 2 8 7 1 1 17 2	500 y 7 9 73 7 12 8 1 1 7 12 8 1 1 1 1 1	61 4 10 26 1 8 8 8 4 1 26	61, 7 11 14 5 10 10 10 10 10 10 10 10 10 10 10 10 10	7a, 0 5 0 550	7a2 3 6 75 425	7b1 5 48 3100 	7b2 6 216 1240	7r ₁ 6 <u>7</u> 216 <u>816</u> 18 24	7 7 2 2 6 7 1 40 59 5 7 1 40 59 5	70 7 1 1 2 16 2 24 1 2 7 3 2 7 12 3 2 7 12 3 2	262 4 10 96 10 2624 	7#1 5 10 96 460 	702 6 9 124 1106	151 0 8 3 45	75 g I 33 33 1 33	0a1 1 20 21 1 21 6 4 22 1 23 6 4 24 24 24 24 24 24 24 24 24	4a2 2 7 12 7 12 5 70 2 70 2 70 2 70	40-1 +145	942 7 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4						Pec2 4 LJL 2 2047	
•ФО-1 К. ЗОРИНИЕ Ф	23 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1		3k, 3 4 8	\$b2 3 1 1 - - - - - - - - - - - - -	5442 2 3 1526 	6a1 2 22 440 440	601 3 4 118 1499	60,7 1 4 100 1218	(4) 1260	602 5 5 1095 1095	6d1 4 505 854	63 2 8 34 1204	58 7 10 59 8 9 7 17 17 2 8	50 7 9 53 7 12 8 9 1 7 2 8 9 1 7 2 8 8 1 1	61 4 10 26 20 1 1 1 1 1 1 1 1 1 1 1 1 1	612 7 13 14 14 5 	78,	1 7a2 3 6 15 425	7b1 5 48 31000	7b 2 7 6 216 2240 7 7 3	7r ₁ 6 7 216 <u>616</u> 216 	7 7 2 2 6 2 14n 59 5 4 	76 7 16- 16- 16- 16- 16- 16- 16- 16- 12- 12- 12- 12- 12- 12- 12- 12- 12- 12	2d ₂ 4 10 2624 	7~1 5 10 960 960 7	702 6 9 124 1106	/f1 0 0 10 10 10 10 10 10 10 10 10 10 10 1	77.2 I J J J J J J J J J J J J J J J J J J	0a1 3 20 21 20 21 20 1 23 66 X	144) 2 7 12 3 7 12 5 5 7 7 12 2 7 7 12 2 7 7 12 2 7 7 12 7 7 12 7 17 7 12 7 17 7 12 7 17 7 12 7 17 7 17 7 17 7 17 7 17 17 17 17 17 17	401 70 9 145 20 145							A 4 LJL 2 2 3 3 3 3 3 3 3 3	
- 2004 (- 15. SOURCE) - 2014 (- 10. SOURCE)	223 2 7 1 k 2 2 2 2 2 2 2 2 2 2 2 2 2		5k; 3	5b2 3	944_2 2 3 1102	6a) 2 2940 440	601 3 4 116 1409	60.2 1 4 100 1218 	(a) 1260	502 5 149 1055	641 4 508 844	65 2 8 36 1264	58, 7 59 887 2 8 7 17 2 3 8 7 3 8 8 8	500 y 7 9 172 8 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	61 4 10 26 1 8 8 8 8 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61-2 1 1 1 1 5 2 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	7a, 5 650	7a2 3 425 425	7b1 5 489 3 Jiec 	7b2	721 6 916 916 916 916 916 916 916 916 916	7 7 2 6 ? 14n 595 595	70 7 10 10 10 10 10 10 10 10 10 10 10 10 10	2d2 4 1624 	7#1 5 9E0 9E0 7	70-2 6 9 124 1106	1/51 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	752 1 33 33 1 33 35		da ₂ 2 7 1 7 2 2 2 7 1 7 2 2 2 7 2 2 7 2 2 7 2 2 7 2 7									
$\begin{array}{c} cross (x, y, y, y) \\ cross (x, y, y) \\ cross (x, y) \\ cross$		542 0 0 1 1	5k, 3 0 8	5b2 3		6a1 2 240 440	801 3 4 116 14/9 	5372 1 4 100 1218	(*) 1260	502 5 349 1095	641 4 fr	65,2 2 3d 12E4	55 7 59 897 7 7 17 2 8 8 7 7 17 2 8 8	9 7 9 9 1 1 2 8 1 7 2 8 7 1 2 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	61 4 10 25 11 0 26 1 1 1 0 2 20 1 1 1 1 1 0 2 1 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	612 7 11 19 5 .25 125 .25 125 .25 125 .25 125 .25 .25 .25 .25 .25 .25 .25 .25 .25	7a, 0 650	17a2 3 6 15 425	7b1 5 5 489 31000 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7b2 7 215 2240 2740 7 7 7 5 	7771 6 7 216 816 816 216 216 216 216 216 216 216 216 216 2	7 7 2 2 6 2 1 4 1 5 9 5 	76) 7 16 2940 27 27 27 27	2d2 4 10 2624 	7#1 5 960 ×6 ×	702 6 124 124 1105 8 8 8 8 8	11 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 33 1 1 33 1 1 1 33 1 1 1 33	0a1 1 200 201 201 201 201 201 201	4a ₂ 2 7 1 2 1 2 1 2 2 1 2 1 2 1 2 1 2 1 2 1								2002 4 131 131 131 131 131 131 131	
PALLER MORPHY PL, M. OPPERATION From Enderstrate The Control of the Control of the Second			5kr, 3 0 8	şb ₂ δ		6a1 2 240 440	801 1 4 116 1409	50,2 1 4,00 1218 		602	- 0d1 - 1 - 108 	63 ₂ 8 36 1204	581 7 10 59 807 2 8 7 1 2 8 7 1 2 8 7 1 2 8 8 7 1 2 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 8 7 8	500 7 9 53 1 1 2 8 3 1 1 2 8 3 1 1 2 8 3 1 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 3 1	6f 1 6 10 26 1 0 26 1 1 0 26 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	612 7 11 19 5 2 .25 5 5 5 7 1.5 5 5 7 1.5 5 7 1.5 5 7 1.5 5 7 1.5 7 1.5 7 7 1.5 7 7 1.5 7 7 1.5 7 7 7 1.5 7 7 7 1.5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7a, 5 5 550	1782 3 6 75 425 425	7b t 5 48 31cc 2 7 7 7 7 7 7 7 7 7 7 7	7b2 7 216 2240 2240 2240 2240 2240 2240 2240 224	72 6 7 216 810 810 810 24 24 24 24 39 14 39	7 7 2 6 2 1 4 59.5 - - - - - - - - - - - - -	76 7 16- 2940 	22 4 16 2624 	741 5 960 960 7 7 7	702 6 124 1105 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	151 0 8 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	1 1 1 33 1 1 1 1 1 1 1 1 1 1 1 1 1	0a1 1 20 21 20 72 65	2 2 12 12 12 2 						1 74 1 14 14 14 14 14 14 14 14 14 14 14 14 14 1			
•200 с. К. МОРИКИ •0. С.К. МОРИКИ			5k ₁ 3 4 0 8	Sb2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6a1 2 2 940 440	601 3 4 116 140 <u>9</u>	5072 1 4 120 120 120 120 120 120 120 120	(*) * * * * * * * * * * * * *	602 5 5 1095 1055 	- 6d1 4 - f., - JOB - A54 	65/2 8 36 1204	6 € , 7 7 10 5 9 8 97 2 8 7 17 2 8 7 3 8 7 2 8 8 7 3 8 8 7 3 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	560 y 7 9 5.3 1 2 1 2 3 4 1 3 7 3 4 1 3 7 3 8 3 9 1 1 7 8 8 8 8 7 8 8 8 8 1 1 2 8 8 8 1 1 2 8 8 8 1 1 2 8 8 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 1	61 4 10 26 20 1 1 20 1 20 20 20 20 20 20 20 20 20 20 20 20 20	61- 7 11 19 22 25 5 24 24 24 24 24 24 24 24 24 24	7a, 5 0 650	7a2 1 0 25 425 	7b1 5 489 31cc 	7b 2 7 216 216 2240 7 7 7 22 2 240	721 6 7216 816 816 816 816 816 816 816 816 816 8	752 6 714n 593 593 74 593 74 593 74 593 74 74 11	7d 7 1 1 3 2 7 1 1 2 7 1 2 7 1 2 7 1 2 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 4 1 3 2 4 4 1 4 1 2 4 1 4 1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1	2622 4 101 2604 	7	70 2 6 124 1105 7 7 7 8 8 7 7 7 8 8 7 7 7 8 8 8 8 8 8	/f1 0 8 3 3 3 3 3 3 3 3 8	7752 1 33 34 1 35 35 35 35 35 35 35 35 35 35 35 35 35	0a1 1 20 22 1 20 7 20 7 20 7 20 7 20 7 20										
COLLEN MORPHY Second State College		5	5k, 5 7 8	\$b2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	944_2 2 3 1155 	6a) 2 2 2 2 2 2 2 2 2 443 	881 3 4 116 1409		(0) 1 1 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	602 5 149 1095	5d1 4 505 705	652 2 8 30 1204	5 % 7 10 5 % 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 2 8 % 7 8 br>% 7 8 % 7 % 7	500 y 5 3 5 4 5 4 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3	61 4 10 26 1 4 10 26 1 2 1 2 1 2 1 2 1 2 1 2 2 2 2 0 2 1 2 2 0 2 0	617 7 111 14 5 2.25 5 3.5 5 15 10 10 10 10 10 10 10 10 10 10 10 10 10	7a, 0 5 650 	7a2 3 6 15 425	7b1 5 48 31cc 	7b2 7 6 216 3240 7 7 5 7 7 	7771 6 7216 816 816 816 910 910 10 10 10 10 10 10 10 10 10 10 10 10 1	752 6 2 144 593 593 	76 7 1 2 2 4 2 2 7 7 1 8 2 2 4 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 8 2 2 4 2 7 2 7 8 2 2 4 8 2 2 4 8 2 7 2 7 8 2 2 4 8 2 2 4 2 7 2 7 8 2 2 4 8 2 2 4 2 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7	2627 4 161 2624 	7#1 5 10 960 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2 *2	70 2 6 9 124 1105 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1/f1 0 	7752 1 1 33 33 1 1 1 1 1 1 1 1 1 1 1 1 1		48.2 2 7 12 13 12 5 5 7 7 12 2 7 12 2 12 12 12 12 12 12 12 12 12 12 12 1									
$\begin{array}{c} c_{223}(x,y) & S(MMMP) \\ w_{1,1}(x) & c_{223}(x) \\ w_{1,2}(x) & w_{1,2}(x) \\ w_{1,2}(x) \\ w_{1,2}(x) \\$			5k; 3 4 0 8	5b2 3 1 1 1		6a 2 2 940 443 	601 1 4 116 1469 		(c) 1 5 1280 	602 5 1299 1095 1095 1095	5d1 4 508 708	652 2 8 3 3 1204 2 2 8 3 3 1204 2 2 8 3 3 1204 2 3 3 1204 2 8 5 3 1204 2 1 1204 2 1204 2 1204 2 1204 2 1204 2 1204 2 1204 2 1204 2 1 1204 2 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 1204 1 120 1 120 1 120 1 120 1 1 1 1 120 1 1 1 1	5 = 10 3 = 10 5 = 10 5 = 10 7 7 7 7 7 7 7 7 7 7 7 7 7	500 y 7 9 53 1 1 2 3 3 1 1 3 3 1 1 3 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4	61 61 10 26 10 26 10 26 10 20 10 10 10 10 10 10 10 10 10 1	61-7 7 11 13 5 20 5 10 10 10 10 10 10 10 10 10 10 10 10 10	7a, 0 5 0 650 	7a2 3 6 75 425	7b ₁ 5 48 31cc 	7b 2 7 216 2240 7 7 7 3 5 7 7 7 5 7 7 7 7 7 7 7 7 7 7 7	771 6 716 816 816 816 816 816 816 816 24 24 24 24 24 24 24 24 24 24 24 24 24	7 re 2 6 7 14r 59.5 7 7 7 1 20 7 1 20 7 1 20 7 1 20 7 1 20 7 1 20 7	76 7 1 2 1 6 2 240 7 1 2 7 7 2 7 7 2 7 7 2 7 7 2 7 7 2 7	2422 4 14 586 	7#1 79 960 960 70 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	70 2 6 124 1409 2 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	151 0 - - - - - - - - - - - - -	775 2 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3											
$\label{eq:second} \begin{array}{c} cross + s \ \text{memory} \\ cross + s \ \text{memory} \\ dr = cross + dr = dr \\ dr = cross + dr = dr \\ dr = dr = dr = dr = dr = dr \\ dr = dr =$	$2 > 3 \\ 3 > 7$ 3 > 7 4 > 7 4 > 7 4 > 7 4 > 7 4 > 7 4 > 7 4 > 7 4 > 7 4 > 7 7		5k; 3 4 0 8	\$b ₂ δ		6a, 2 2 2 2 940 440 	801 3 4 118 149/9 	50)2 3 4 100 1218 	(c) 1 5 1280 1	602 5 5 1499 1055 5 1499 1055 5 7 7 8	541 4 6 308 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	65/2 8 3d 1204	5 = 10 5 = 3 2 = 2 3 = 17 2 = 2 3 = 3 8 = 7 3 = 2 4 = 4 4 = 5 4 y 7 9 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	61 4 10 26 20 1 4 8 20 1 20 1 20 20 20 20 20 20 20 20 20 20	612 7 11 14 5 5 5 7 15 5 7 15 5 7 15 5 7 15 15 15 15 15 15 15 15 15 15 15 15 15	7a, 5 650 650	7a2 3 6 35 425 425	7b1 5 488 31000	7b2 7 6 215 2240 2240 240 240 240 240 240 240 240 2	77 1 6 716 816 816 816 816 816 816 24 24 24 24 24 24 24 24 24 24 24 24 24	7 7 2 6 7 1 4 7 7 1 26 11 11 7 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	76 7 1 1 2 1 3 2 1 3 2 1 3 2 1 - - - - - - - - - - - - -	2422 4 16 2624 	7µ1 70 960 960 70 80 70 70 70 70 70 70 70 70 70 70 70 70 70	70 2 5 124 1100 1100 1100 1100 1100 1100 1100	151 0 8 0 1 1 1 1 1 1 1 1 1 1 1 1 1	17. 201 1 1 1 1 1 1 1 1 1 1 1 1 1	0a1 1 2 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2											
- 2014 - 31 MORENE - 2014 - 31 MORENE - 2014 - 2014 - 2014 - 4 - 2014 - 2			5k1	5b2 3		6a, 2 2 940 443 	801 3 4 118 118 118 118 118 118 118		(A1 	602 5 149 1055	541 4 505 535 705 705 705 705 705 705 705 705 705 70	63, 2 3 3 4 1224 	545 3 3 3 3 3 3 3 3 3 3 3 3 3	9 57 57 57 57 57 57 57 57 57 57 57 57 57	6f1 4 10 26 1 0 26 1 1 0 2 1 1 0 2 1 1 0 2 1 1 0 2 1 1 0 2 1 1 0 2 1 0 2 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	612 7 11 14 5 5 7 15 5 7 15 5 7 15 5 7 15 15 15 15 15 15 15 15 15 15	7a, 5 650	7a2 9 0 35 425 425 425 425 425 425 425 425 425 42	7b1 5 488 310CC	7b2 7 6 215 2240 240 240 240 240 240 240 240 240 24	7771 6 516 516 516 24 24 24 24 24 24 24 24	7 7 2 2 6 2 7 1 4 4 8 9 2 7 4 4 8 9 2 7 4 4 8 9 2 7 4 4 8 9 2 7 4 4 8 9 2 7 4 4 8 9 2 7 4 4 8 9 2 7 4 4 7 4 1 8 9 2 7 4 1 7 4 1 8 9 2 7 4 1 7 4 1 8 9 2 7 4 1 7 4 1 7 4 1 8 9 2 7 4 1 7 r>7 4 1 4 1 7 4 1 7	76 7 16 2946 2946 27 7 27 7 24 27 7 27 7 2 2 2 2 2 2 2 2	2622 4 101 2624 	7 1 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	702 6 9 124 1105 8 7 7 1105 8 7 7 10 8 8 7 7 10 8 8 8 7 7 7 7 8 8 8 7 7 7 124 10 7 8 8 7 7 7 124 10 7 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	151 0 2 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1											
- 2014 (- 1) SOURCEP - 2017 -			- 53k ₁ - 3 - 0 	Sb2 3 1 1		6a1 2 2 2 440 		60, 7 3 100 1218 100 100 100 100 100 100 100 1	(A) 3 4 1260 	602 5 149 1095 	541 4 505 705 705 705 705 705 705 705 705 705	65, 2 8 3d 1224 	5+5, 7 3-3 3-3 	560 y 7 9.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 4.1 5.2 7 3.2 4.1 5.2 7 7 5.2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6fi 4 10 26 20 1 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 5 5 5 5	612 14 14 14 15 15 15 15 15 15 15 15 15 15	7a. 0 650 650 7 7 7	7a2 1 3 425 425 425 425 425 425 425 425	7b1 5 5 1100 1100 1100 1100 1100 1100 110	7b 2 7 215 2149 249 7 7 7 7 7 7 7 7 7 7 7 7 7	7771 6 	7 7 2 2 6 1 7 1 4 7 1 8 9 2 7 1 4 7 4 8 9 2 7 1 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4	76 7 1 2 16 2 2 4 3 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22622 4 3 3624 	7	702 6 124 1105 7 124 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	151 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	1 1 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
$\begin{array}{c} create (+ \mathbf{x} + \mathbf{x} + \mathbf{y} $			- 53(* <u>1</u> - 3 	Sb2 3 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5		6a 2 2 240 440 			(7 1260 1260 1260 1260 1260 127 12 12 12 12 12 12 12 12 12 12	602 5 149 1025 8 8 7 8 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	641 9 308 3.4,4 1 108 3.4,4 109 109 109 109 109 109 109 109 109 109	6532 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	55, 7 3, 3, 3, 3, 3, 3, 3, 4, 4, 4, 4, 4, 5, 5, 4, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5	100 y 100 y	61 10 26 1 1 2 1 2 1 1 2 5 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2		7a., 0 650 650 7 7 7 7 8	1782 1 1 1 1 1 1 1 1 1 1 1 1 1	7b1 449 5 5 5 5 5 5 5 5 5 5 5 5 5	7b 2 7 215 2249	772 6 7 16 16 16 16 16 16 16 16 16 16 16 16 16	7 7 2 2 6 7 1 4 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	7d 7 16 1948 1948 10 16 17 17 17 17 17 17 17 17 17 17 17 17 17		7 - 1 5	702 6 122 122 122 122 122 122 122 122 122	1/1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	7752 1 1 33 33 33 33 33 33 33 33											

APPENDIX TABLE 13

Foraminiferal occurrences in Summerville marsh: percent of living and total number of species and specimens for each sample, X indicates less than 1%, L = live, T = total. J. polystoma is differentiated from T. macrescens in all tables; however, the two forms are believed to be ecotypes of the same species (see SYSTEMATIC TAXONOMY).

STATION NUMBER	181	202	121	1b ₂	1c1 1	°2	197 1	d ₂ 16	1 1+2	, ¹¹	122	741	282	201	2b.j	201	202	2d1	202	2ej	R 2	^{3à} 1	³⁴ 2	381	3F.5	ъ.	3¢2	381	-9 8 ,	J#1	342	м1	312	
NO. OF SPECIES (Live/total)	а ,	° 11	о в	1 5	0 (1	5	0 13	20 4	22 · ⁰ 1	0 12	.0 18	3	۰,	1 4	° 4	1 4	4	4	0 2	а 4	0 1	° 4	3 5	4	° 4	1 4	0 4	8	2 4	0 4	2 1	4	3 5	
NO. GF INDIVIDUAL PER 10 cm ³ (Living/lotal)	0 290	0 278	0 313	4 480	0 4700 - 1	0 1.280	0 2036 :	64 1 1120 18	6 0 52 1094	0 2090	0 2134	112 2914	0 3459	e 1368	0 576	1 624	0 572	4 1372	0 1240	С 864	0 #50	0 8068	184 5490	12 617	0 460	5 922	0 568	9 1150	116 2310	0 1448	17	0 1040	16 2192	-
Ammenta np. 1. 											1												-								+			-
demotion estana 1. T						1	:			+															_						1			1
Aatronomiam yallamayi								x			+								i				1						-		+			j
siliuina pecudoplicata 1							······				,																	— .		-	1	<u> </u>	-	-
Buccolla impira L	-					•••	·····	1	1												r –		_				-		1			ļ •		4
B, frigida I		1						x	×	3									-			ļ	-				-	ļ	-	-				-
Iulining narginata							1		-		1.000 and										-		+				1		+		+	-		-
Scooldyling process		1				-		3 3	2	2	. 3													+ -		1	1	-	-	-	- ·]
Tibleides Iobataine	9	24	1	2	-	-	60	25 <u>23</u> 58 51	53	44	. 51				i						1			ļ				1			-	-	1	
relevences anticentation					1		2	50 21 4			1 2				1	-	T		-								_	+.	-		-	+	<u>.</u>	
2. anaanarun olguntum 1	3	6			4		12	11 4	23	28			ļ	1							<u>L</u>	+		1	-	-		-	-	-	<u> </u>		-	
C, angentum melangennin (_	1	1					+				:			-				Ē		+	-	1	+	-		-	1	
t. Trijíðum					i		2	2	· · · · ·					ļ	-			÷		-	1			-		-		1				-		_
E. invertion	<u> </u>					1		1	4		s				1		.	÷	ļ		<u> </u>		_		+	-		1_		+	-	_	+ -	
0. subarotizon									5							+		-		1				:	+		-	1 -					+-	_
Eggereila adoena	6	17	4	7	11	16	8	6	2 4	5				ļ		ļ	-	-	-	-	T		1	1	-	-	+		\vdash	\pm			×	
liteourine norginato 1	_						3	×	1 1	1	. ×		-		÷	+	1		1			1		+ -	-	-		<u>i</u>	+	+	<u>+</u>		+	1
Fursenkoina fusijornis			\vdash					·····;-··	× 1	- 1		÷		<u> </u>	1		1		<u> </u>	-	1	+ .	1		+	-	+	+	+		+-	÷	+	
Taizuli-ilo terretia	<u> </u>	-						ئىم <u>،</u> _	3					+			-	1		-	-			-		-		-t	\pm	-	Ì		+	
lalamine polyatous	-					x						£ _			-	1	l	<u> </u>	+	F	-		×	×	-			+	-	+-		_	+	
Williomins fuura			1-	4.4	89	82		12	1 2			×	x	4	l		,	100	. 98	10	67	+ 12	<u>x</u>	-	1	tr	7	1		5 7	6 37	17	-	3
Millioling up.									x : -				+-	}						+	-	-			+		+	+	-		1	-	+	·
Nontonellina labradoriza			<u> </u>	<u> </u>	\vdash								1	-	+			·				_			-			+	+	-		_		
delína vosteta T	.1	1																		—	+ -				+	+		1	-	+		+	- +	
0. berenčis T		-	·	-		-	1	1	x x	x	×		1	1		-		1							-		_	+			- İ +		+	
0. melo	<u>}</u>		-					x			7		-	:		-	-	-	_						_			\pm	-	-	+	+	-	
Patworfs hawaristoiins 7	<u>}</u>	<u> </u>	1		+				x			5	-		-			1	<u> </u>		, 		-	_	_	_			_	_	-	_		
Rolysacoworina ipohalin a r	1			+			-					X I	-	-	-	+		-		1	-						_			+		_	_	
Proceephidium mekiculare t		4		-			5	12	11 6	. 4	6			-			-						_		-	-	-		-		_		+	- 49419
duinquoderutina persinatur 3	<u> </u>							2			2			-	-	_				+	-			_			+				\pm			
Romating antimizentia	1		-		+			1	<u>i</u>	, 1	ü		+	. <u>+</u>		i-	-	-			_		-				_	_		_	_	_		
Stocuming atlantion	_			-					x			1		-			-				_					+		_			-			_
Spinapleatanning biforming	-					1	ii									-		1		1				-	_	_		+		_	_	_	-	
Trijaring Norms g	<u> </u>	-1-	1				1	x	1 1			1		-	-					_						_		+				+		
Tiphotrocka amprirata	1	-	<u> </u>							- +		4	-	6	3	6	6	1	-	33	_	k	- 1	2		10 1	0	0	2	2	4	33	3	11
Troohannina inflata 3	74	40	83	57			<u> </u>					41.	35	42	58	32	56	2	1 2	-	- 5	-	4 4			40 4	5 3	6	17	2	14	14	15	19
2. [narroeliona]:	7		8	100								99 34	40	105	38	103	34	4	Ţ	14	5		15 3	3 3		16 4	3 4	3	78	99 79	7	10	7	12
I. ookranea I	1		<u>-</u>	L		x						-			-		1	-	+-				-	-			_			·		-		-
Planktonioa '	1		-		+ •			1	1	3 4	1		-		1-	1-		-	1.	+	1	1	-		-	_						-	-	

APPENDIX TABLE 14

Foraminiferal occurrences in Newport Landing transect. Format same as Appendix Table 13 except that elevation above mean sea level for each station is given.

								10.00									-																			
STATION NO.	la	lь	2 a	: 2Ъ	la	<u>э</u> ь	4a	46	Şa	58	65	65	78	76	8a	e),	9a	9b	10a	106	1 I a	116	12a	12h	л Эв	135	Jviat	146	158	139	tea	165	1?a -	17h	8a 1	99
CLEVATION IN METERS	1.2	1.23	7.43	2.47	12.22	1.21	6.85	6.85	6.71	6.11	6. 24	6.34	6. 10	6. 19	4. 24	6 25	1 4 4 2	5 47	6 86	6 86	4 30	4 10	6.43	6.35	6.57	6.57	0.69	6.69	6.72	6.72	6.77	6.72	6.74 B	.74 6.	21 K.	73
A.M. S.I.	÷		0		1	1		12										ke i					2					h	h **							
(Idwe(rotal)	Ľ 1	Ľ i	6	Ű h	× 4	Ľ,	<u>م</u>	″	1 7	Ι,	2	1	4	۰.	۳. c	4	ŕ 1	í.	(† 3.	÷.,	1	÷ ,	* . I	1.1	· . ·	3 I	* n - i	1.	۴.	ŕ .	÷	ŕ "	1 1	3	7 T	
NO. OF INDIVIOUALS	10	8	0	0	0	0	100	6	6	0	Ú	1	40	24	17	13	232	50	52 [°]	87	26	46	1	10	17	12	45	3	11	8	8	1	19 7	- 6	3	-
per 10 ct fLive/total)	1 1	6	1.00	2,93	16	- a	33	66	263	79	3	13	78	48	20	47	276	62	84	103	25	149	65	41	92	55	169	31	212	144	116	23	182	192 7	62 ^{(*}	91
"That has I down to the	1	1	1														1																	-		1
WARK CA	1	1	1		, ,								2				1		·?	•				1					****							1
10 P745		+	_		÷		ļ		ļ				1				<u> </u>			_														-		
endelliset d <u>aes t</u>	1		1		:							100	90 59	79 40	23	8	2	2							6	-i				32		-		_		
ing the Literatives 🕴 📜			-		1		2.		·	- 40-							1	1					.						9	100		h.,				
Red physics likes 1	<u>+</u>		<u>†</u>	1 ² .	4		- and		3/10				÷			<u> </u>	{ ·		÷	5		······	némf		-						-0				10	
(p) p _d ^(d)	1		1	-	. 89	75	26	9	72	33	67	8								-	1 1			- 1									x !		ií i	-
to turning a toni and 1	1	1			1	1								4		A	1		1				1			8	Ζ.	,								
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	130	1	19	24	1				12	4		B		- 2	L	6	1			<u> </u>		1	2.1	21	1	15.1			L		T		L	X	х Ц.,	
, R. Hardelmer, Fooder 👘					4											İ	{																			
I THE AN LEWIS HILL BE		-						1					2	8	14	14	98	98	100	1.00	100	100	130	10	37 1	25		67						- 1		
i efficador τ	1		1	1	1								11	4	5	15	97	87	99	100	100	99	5 1	2	11 1	7			l					. 1		- 1
The survey of the second second second	1					1 .	F î.					T				F	T		· · · · ·	1	r											67		16	0	711
the state of the state of the state		1	16	을 보신	12		9	18	1				1			1				L			1		.1	- 2.1	1.	•	.1	-	A		2	111	2	îĽ.
Southand a Advisor 1	3			4	<u> </u>			ļ,.,) 				8	14	66				1				90 .	26	67.4	. 98	33	- 91	3 B	100	33	208	100 (2	0 1	<u>90</u>)
	-	100	40	1 22]. M.	12.	<u>9</u> 2	54	1 10		- 33	23	35	54	65	_70	4.X.						82‡	22	74		98		95	96	-81	83	92		ân	<u>10</u> .
t same and T								2	X						3	1						1									··· 2					
Territorita cohesoed T			Γ _Γ	1				ż	1.1	· . ·							[2							-	;										



