# RELATIVE HABITAT VALUE OF ALTERNATIVE SUBSTRATES USED IN OYSTER REEF RESTORATION

A Thesis

by

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# MASTER OF SCIENCE

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#### **ABSTRACT**

Oyster reef habitats have declined from historic levels due to a variety of reasons, including overharvest, disease, and degraded water quality. The harvesting of oysters has led to a loss of reef habitat for both oysters and reef-associated fauna. When oysters spawn, the larval oysters, or spat, depend on hard substrate for settlement and growth. Oyster shell is the preferred substrate for use in restoration because it most closely matches natural reef habitat, but it is often expensive and in limited supply. This study incorporated field and laboratory experiments to assess the relative habitat value of alternative substrates (crushed concrete, porcelain, crushed limestone, and river rock, as well as oyster shell) for larval oyster recruitment as well as reef resident fishes and macro-invertebrates. Replicate trays of each substrate type were deployed in St. Charles Bay, TX for four months during spring and summer 2012 and assessed for oyster recruitment and faunal diversity and density. Concrete, river rock, limestone and porcelain had similar spat recruitment densities compared to oyster shell (1300-2300 spat). Spat shell heights were also larger on these substrates (13-16 mm), while spat on porcelain substrates were slightly smaller (10-13 mm). All substrates except bare sediment had similar fauna species densities (200-500 individuals m<sup>-2</sup>). Limestone had lower fauna diversity (H'; 0-1) than concrete and shell (1-2). Laboratory experiments compared the effectiveness of these substrates in providing prey refuge from pinfish and blue crab predators. All substrates performed similarly resulting in very low (<20 %) prey mortality rates for either predator. Results may enable future restoration plans to be implemented at a lower cost while providing similar habitat functions.

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### LITERATURE REVIEW

Eastern oysters (*Crassostrea virginica*) are found in the Caribbean, Gulf of Mexico and Atlantic Ocean (Powell and Klinck 2007). These reef-building mollusks have great cultural, economic and ecological importance (Powell and Klinck 2007). Oysters provide a wide range of benefits to ecosystems and humans, including water filtration (Dame et al. 1981), nitrogen regulation (Piehler and Smyth 2011), habitat and refuge for fish and invertebrates (Peterson et al. 2003), shoreline protection (Piazza et al. 2005), food for higher trophic levels (Coen et al. 1999), and resources for human consumption. Oysters are also indicator species that can be used to gather information on the overall health of an estuary (Beseres Pollack et al. 2011).

Oysters act as biofilters, removing particulate matter through suspension feeding (Dame et al. 1984). Early studies in Chesapeake Area found that oysters can remove particulate matter between the sizes of 1 and 12 µm (Haven and Morales-Alamo 1972; Dame et al. 1981). In areas that have experienced drastic reductions in historical oyster abundance, loss of this filtration function has been linked to large-scale ecosystem changes like eutrophication and algal blooms (Newell 1988, Ulanowicz and Tuttle 1992, Lotze et al. 2006). The role of oysters in nitrogen regulation is also an important contributor to estuarine ecosystem function, particularly due to increasing nutrient influxes into area systems (Paerl et al. 1998, Piehler and Smyth 2011).

Oyster reefs are essential habitat for fish and invertebrates (Stunz et al. 2010, Harding and Mann 2001). Their 3-dimensional structure offers refuge for larval and juvenile fish species as well as smaller invertebrate species, such as mud crabs, porcelain crabs, brown shrimp and snapping shrimp (Stunz et al. 2010, Harding and Mann 2001, Gain et al. 2009). Of the organic particulate matter filtered by oysters, 70% is assimilated and the remaining 30% is used as food

by reef resident species (Newell 1988, Tolley and Volety 2005). Juvenile fish and transient fish and crab species also feed on polychaetes, bivalves, decapods and smaller residents that inhabit these reefs (Grabowski et al. 2005, Tolley and Volety 2005). Faunal diversity on reefs is dependent on many factors including connectivity to natural reef populations, vertical relief of the reefs, distance from adjacent salt grass and sea grass habitats, and abiotic conditions (Pulliam 1988, French-McCay et al. 2003, Grabowski and Peterson 2007, Lipcius et al. 2008 Wilberg et al. 2013). In a North Carolina estuary, each  $10\text{m}^2$  plot of restored reef was estimated to produce an additional 2.6 Kg yr<sup>-1</sup> of oyster shell cover (Peterson et al. 2003). Restored reefs can therefore play a role in ameliorating habitat loss due to human consumption, disease and predation.

As reef builders, oysters are considered ecosystem engineers (Jones et al. 1994). Oyster reefs can contribute to shoreline stabilization, with their 3-dimensional reef structure serving to reduce wave energies and shoreline erosion (Meyer et al. 1997, Piazza et al. 2005). Shoreline protection efforts typically involve the construction of bulkheads, seawalls or other hard structures (Pilkey and Wright 1988, NRC 2007, Scyphers et al. 2012). These artificial barriers may increase erosion of adjacent shorelines through the reflection of wave energy off of the barriers (Scyphers et al. 2012) Current shoreline stabilization has focused more on the use of "living shorelines" whose 3-dimensional structure allow for decreased wave energy and increased sedimentation (NRC 2007, Scyphers et al. 2012). Living shorelines like oyster reef structures may serve to protect valuable adjacent habitats such as salt marsh and sea grass habitats while offering increased substrate for further oyster recruitment (Campbell and Hall 2002, Scyphers et al. 2012).

One of the most obvious ecosystem services of oyster reefs is as a fishery commodity for human consumption. National Marine Fisheries Service (NMFS) harvest data from 2009 reported that 35.6 million pounds of oysters were harvested in the United States, with a value of

\$136.5 million (Lutz et al. 2011). Texas was the second largest producer in the Gulf in 2009, harvesting 2.7 million pounds of oysters and generating \$28 million in revenue (NOAA 2009, Lutz et al. 2011).

Overharvesting of oysters and loss of reef habitat have caused a reduction in the benefits reefs provide. As such, oyster reefs are among the most degraded coastal habitats on earth, with estimates of only 15% currently existing throughout the world (Lotze et al. 2006, Beck et al. 2011). Besides historical losses in reef size, in some Gulf of Mexico estuaries, loss of oyster biomass has also been significant (zu Ermgassen et al. 2012). When reefs are degraded through dredging or oysters are overharvested, future habitat is lost (Powell and Klinck 2007). Loss of oyster habitat is especially critical because the free-swimming larvae of oysters depend on the structural foundation of oyster reefs for recruitment and growth (Rothschild et al. 1994, Lenihan and Peterson 1998) The loss of adult oysters through *P. marinus* and natural predators could also disrupt the natural balance of reef formation (Ray 1996, 2008).

Salinity tolerant predators and parasites are also damaging to oyster populations (Andrews and Ray 1988, Ray 1996, Ray 2008). Dermo (*Perkinsus marinus*), a parasitic protozoan, causes severe oyster mortalities from Chesapeake Area to the Gulf of Mexico (Mackin et al. 1950, Andrews and Ray 1988, Ray 2008), particularly during periods of warm temperatures and high salinities (Ray 1996, Ray 2008). In the 1980's, an extended period of drought allowed *Perkinsus marinus* to expand throughout Chesapeake Area (Andrews and Ray 1988). Similarly, *P. marinus* is prevalent throughout Texas areas due to drought-induced high salinities (Ray 2008). Oysters affected by *P. marinus* are unable to survive to market-size. Some states have had to reduce their market-size limits because of this threat (Ray 2008). With increasing salinities and temperatures throughout the Gulf of Mexico and western Atlantic, oysters continue to be threatened by these parasites (Andrews and Ray 1988, Ray 1996, Ray

2008). Oyster reef shell formation is dependent on the natural death of larger adult oysters (Powell et al. 2006, Carver et al. 2010). These shells are then buried by accumulating live oysters thereby creating a deep anoxic layer that excludes boring predators and parasites (Davies et al. 1989, Waldbusser et al. 2013). This allows preservation of shell calcium carbonate and further reef growth (Powell and Klinck 2007, Waldbusser et al. 2013).

Oyster reef restoration efforts are ongoing across the United States by a variety of federal, state, private, and NGO groups to ameliorate oyster population declines. However, efforts to restore oyster populations in Chesapeake Area have seen little success despite massive public support and investment. Some argue that the failure to restore oysters in this area is due to poorly defined goals and expectations (Mann and Powell 2007). The balance between fishing mortality and natural mortality typically leading to sustainable harvesting practices is further complicated by the need for restored reefs to grow through accumulation (Powell et al. 2006, Mann and Powell 2007).

Oyster reef restoration efforts generally involve placing oyster shells or other hard substrates back into estuaries to provide attachment points for larval oysters and reef development (Powers et al. 2009, Schulte et al. 2009). Shell is the natural substrate for restoring degraded oyster reefs—however, harvested oyster shells are often lost to landfills or competing uses such as road construction or as poultry feed additives (LDWF 2004). The limited availability and great expense of oyster shells is one of the major obstacles to oyster reef restoration on the large scale (LDWF 2004). In response, several states have come up with mechanisms to conserve existing oyster reefs and reclaim oyster shells for use in reef maintenance and restoration. In Mississippi, Senate Bill 2679 (1998) requires that all shell taken from oyster reefs be deposited back onto the reefs from which they are harvested. North Carolina Senate Bill 1272 (2010) extends tax credits for donation of oyster shells to the state for use in

restoration. In Texas, Senate Bill 932 (2011) established a program to recover oyster shell and other cultch material for maintaining or enhancing natural reefs.

Because demand for oyster shells often exceeds supply, many alternative substrates are being used to restore reefs, including crushed concrete, gravel, limestone, and river rock, as well as other mollusk shells. Despite studies that have examined specific substrate types in relation to oyster recruitment and growth (e.g. Brumbaugh 2000, Soniat and Burton 2005, Nestlerode et al. 2007, White et al. 2009), substrates for restoration are still often selected based on price and availability rather than their ability to mimic important ecological functions (French-McCay et al. 2003, Brumbaugh and Coen 2009). In addition, although numerous oyster reef restoration efforts have been conducted in the western Atlantic and Gulf Coast, information is lacking on the relative habitat value for macrofauna of alternative substrates (French-McCay et al. 2003). As restoration efforts continue to increase, there is a critical need to understand the effectiveness of alternative substrates as replacements for natural oyster shell in reef building, not only for economic reasons but for both oyster recruitment and habitat creation for fish and macroinvertebrates.

#### INTRODUCTION

Eastern oysters (*Crassostrea virginica*) are reef-building bivalve mollusks found in the Caribbean, Gulf of Mexico and Atlantic Ocean. Oysters provide many cultural, economic and ecological benefits, including water filtration (Dame et al. 1981), nitrogen regulation (Piehler and Smyth 2011), habitat, refuge and foraging grounds for fish and invertebrates (Peterson et al. 2003), shoreline protection (Piazza et al. 2005), food for higher trophic levels (Coen et al. 1999), and resources for human consumption. Oysters are also indicator species that can be used to gather information on overall estuarine health (Pollack et al. 2011).

Oyster reefs, and the benefits they provide, have been steadily declining throughout much of the U.S. (zu Ermgassen et al. 2012). As such, oyster reefs are among the most degraded coastal habitats on earth, with about 15% currently existing worldwide compared to historic levels (Lotze et al. 2006, Beck et al. 2011). In some Gulf of Mexico estuaries, existing oyster reefs remain in a degraded state, with biomass, reef height, and broodstock declining while areal extent remains (zu Ermgassen et al. 2012). When reefs are degraded, future habitat is lost as is the ecological functions reefs provide (Powell and Klinck 2007). This loss of oyster habitat is especially critical because free-swimming oyster larvae depend on the structural foundation of existing oyster reefs for recruitment and growth (Rothschild et al. 1994, Lenihan and Peterson 1998).

Oyster reef restoration efforts are ongoing across the United States by a variety of federal, state, private, and NGO groups to ameliorate oyster population declines (Mann and Powell 2007). Oyster reef restoration efforts generally involve placing oyster shells or other hard substrates back into estuaries to provide attachment points for oyster colonization and reef development (Powers et al. 2009, Schulte et al. 2009). Shell is the natural substrate for restoring degraded oyster reefs—however, harvested oyster shells are often lost to landfills or competing

uses (LDWF 2004). The limited availability and great expense of oyster shells is one of the major obstacles to oyster reef restoration on the large scale (LDWF 2004).

Because demand for oyster shells often exceeds supply, many alternative substrates are being used to restore reefs, including crushed concrete, gravel, limestone, and river rock, as well as other mollusk shells (LDWF 2004, TPWD 2011). Previous studies have examined specific substrate types solely for oyster recruitment and growth (e.g. Brumbaugh 2000, Soniat and Burton 2005, Nestlerode et al. 2007, White et al. 2009). However, it is also important to understand the ability of alternative substrates to mimic important ecological functions provided by natural reefs (French-McCay et al. 2003, Brumbaugh and Coen 2009). The goal of this study was to examine the habitat value of alternative substrates for use in oyster reef restoration projects. Field and laboratory experiments were conducted to compare oyster shell, crushed concrete, porcelain, crushed limestone and river rock in their ability to: 1) attract oyster larvae, 2) promote oyster growth to juvenile size and 3) provide habitat for fish and crustaceans. This study is unique in that five different substrates were examined simultaneously for their habitat value, not only for oysters, but also for the resident and transient species that depend on oyster reefs. Results from this study will help guide coastal resource managers in selecting appropriate alternative substrates that maximize restoration potential.

## **MATERIALS AND METHODS**

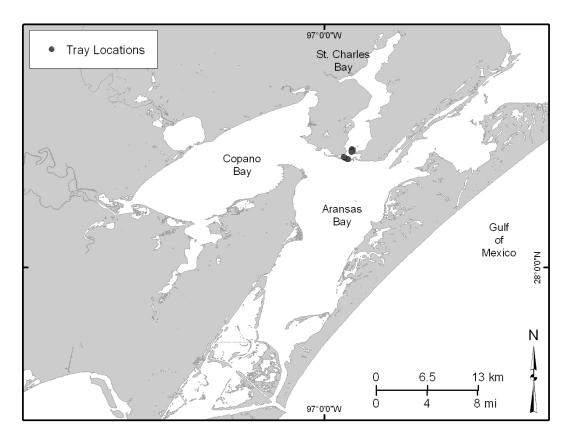
# Field Experiments

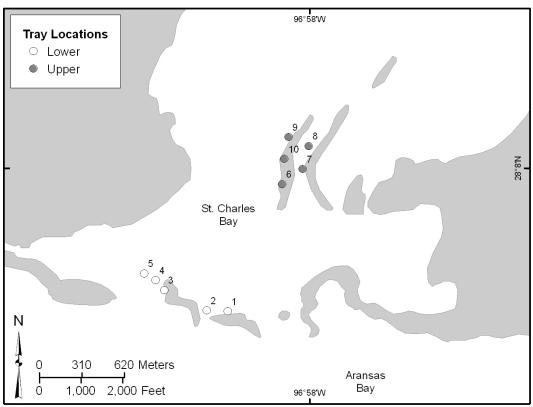
Field experiments were conducted in St. Charles Bay, Texas, part of the Mission-Aransas Estuary, USA (Fig. 1). The St. Charles Bay system (including the adjacent watershed) is approximately 530 km<sup>2</sup> (Asquith et al. 1997). The bay is relatively shallow with an average depth of 0.9 m, and maximum depth of 1.5 m (Scates and Shook 1999). The area comprises

different habitat types including intertidal marsh, seagrass and oyster reef (Scates and Shook 1999). Commercial oyster harvest is uncommon and limited to the deeper central waters.

No commercial oyster harvesting occurs in St. Charles Bay. Salinities and temperatures during the study period ranged from 22-25 and 25-28°C, respectively. Dissolved oxygen was consistent ranging from 6.97-7.12 mg/L.

Oyster shell that had been sun-bleached for 6 months was obtained from the Sink Your Shucks recycling program at Texas A&M University - Corpus Christi. Concrete was obtained from the chutes and hoppers of concrete trucks after construction projects. Porcelain was obtained from the City of Corpus Christi's municipal waste stream. Both the concrete and porcelain were crushed and graded to approximately 8 cm size. River rock and limestone were purchased in ~8 cm pieces from a local nursery. Individual sampling trays (0.75 m<sup>2</sup>) were used to hold these substrates. The bottom of each tray was lined with 1 cm<sup>2</sup> mesh to prevent macroinvertebrates from falling through the tray during sampling. The trays were filled with 38 L of substrate (1 substrate per unit) for a total of 50 trays (10 trays per substrate). Ten shallow subtidal sites adjacent to natural oyster reef were selected throughout St. Charles Bay (Fig. 1). The natural reef that we chose in St. Charles is separated into two main areas, upper area and lower area, by a dredged boat channel. Because restoration success can vary on a site-by-site basis, 5 experimental sites were chosen on the reef in the lower area near the mouth of St. Charles and 5 were chosen at the reef in the upper area further back into St. Charles. In May 2012, 5 individual sampling trays were placed in a random grid pattern at each site, one filled with each substrate type: concrete, limestone, porcelain, river rock, or oyster shell. Placement areas were cleared of any oyster clusters to allow the trays to lay flat on the bay bottom. Trays were anchored with rebar to prevent movement or loss. Abiotic conditions (e.g., pH, DO, salinity and temperature) were measured at each site by using a Hydrolab sonde.





**Figure 1.** Sample site locations in St. Charles Bay, TX, part of the Mission-Aransas Estuary. Five individual sampling trays, 1 of each substrate type, were placed along natural reefs at 5 lower area and 5 upper area locations.

After 4 months, in September 2012, the trays were sampled using a modified throw trap. In addition to the sampling trays, bare sediment was also sampled at each site to provide a baseline comparison with each substrate. At each site, the 1 m<sup>2</sup> throw traps were deployed by rapidly enclosing the area around each of the 5 sampling trays, following the methods of Rozas and Minello (1997). The throw traps were pushed firmly into the sediment surrounding each tray to prevent loss of animals. The tray containing the experimental substrates was lifted from inside each throw trap and retained, while snug-fitting sweep nets (1.6 mm mesh) were passed through the enclosed area until all organisms were collected. All organisms were placed in 10% formalin and brought to the lab for processing. A 0.09 m<sup>2</sup> quadrat was placed randomly within each sampling unit for quantification of encrusting organisms such as oyster spat, barnacles, mussels, slipper shells, serpulid worms and algae. All substrates were retained and placed into bags for enumeration, spat height measurement and identification of reef-associated organisms in the lab. Any large (> 100 mm) macrofauna were identified to species in the field, measured for standard length using calipers and released. Hydrological parameters were again measured at each site. In the laboratory, organisms were sorted, identified to the lowest practical level, enumerated, and measured for standard length (mm) using calipers.

## Laboratory Experiments

Laboratory experiments were conducted from June 2012 to August 2012 utilizing a flow-through tank system at the Texas A&M AgriLife Mariculture Research Laboratory in Port Aransas, TX. A total of 28-110 L rectangular (76 x 30 x 46 cm) fiberglass tanks were filled with one type of each substrate (oyster shell, river rock, limestone, concrete, porcelain) substrate each (Fig. 8). Two additional substrates, sand and bare bottom (no substrate), were added to the laboratory experiments as controls. Each experiment comprised 4 replicates of each substrate.

Predator organisms used for these experiments were blue crabs (Callinectes sapidus; 12.5-14 mm carapace length) and pinfish (Lagodon rhomboides; 12-14 mm standard length). Both species have been successfully used in similar experimental trials (Gain 2009). Mud crabs from the family Xanthidae were used as prey organisms in all of the trials. All organisms used in the laboratory experiments were collected from the Mission-Aransas Estuary, TX. Prior to the experiments, either two blue crabs or pinfish were placed into substrate tanks for a 24 hour starvation period. After 24 hours, predator organisms were cornered off to one side of the tank by plastic mesh to allow an acclimation area for the prey. Natural densities of Xanthid mud crabs (10 individuals per 1 m<sup>2</sup>) were placed randomly throughout each tank the same day they were collected from the field and allowed 30 minutes to acclimate. For the size of tanks in these experiments, 10 mud crabs were used for each trial. Trials began when the divider mesh was removed. Trials lasted until 50% prey mortality was observed. For the blue crabs this was 48 hours and for pinfish, 72 hours. At the conclusion of each trial, all predators and surviving mud crabs were released back into the field at the collection site. A total of 12 trials per predator treatment were completed for an overall total of 24 experimental trials. Water quality was monitored each day to assure consistency between tanks.

### Statistical Analysis

Data from the field experiments (spat recruitment, spat height, reef-associated faunal abundance and diversity) were examined using a one-way blocked partially hierarchical Analysis of Variance (SAS 9.3) with substrate as a fixed main effect and site and area as random effects with the equation:

$$y = a b c(b)$$

where a = substrate (5), b = area (2), c = site (5);  $\alpha$  = 0.05.

Adapting methods used by Gain (2009), all species counts were extrapolated to density of organisms ( $m^{-2}$ ) prior to analysis. The mean and standard error (SE) for the total number of spat, fish, crustaceans, and other species was computed for each substrate type sampled. Normality of the residuals and homogeneity of the variance of all data were examined using R. Data transformation (log10[x+1]) was used to ensure homogeneity and normality (Gain 2009).

Data from the laboratory experiments were examined using a two-way ANOVA with both substrate and predator type as a fixed factor with  $\alpha = 0.05$ . A power analysis was also conducted. All ANOVAs and Tukey's HSD *post hoc* analyses were performed in SAS (9.3). Similarities between reef-associated faunal communities were analyzed using non-metric multidimensional scaling (MDS) using a Bray-Curtis similarity matrix in PRIMER-E v.6. Significant groupings of communities were determined using the SIMPER routine as part of cluster analysis (Clarke 1993). Significance between communities was tested using similarity percentages (SIMPER) procedures (Clarke 1993). The DIVERSE function in PRIMER-E was used to calculate the Shannon–Wiener diversity index (H'). Normality and homoscedasticity of the spat recruitment, spat height and fauna data were examined using R.

#### **RESULTS**

### Field Experiments

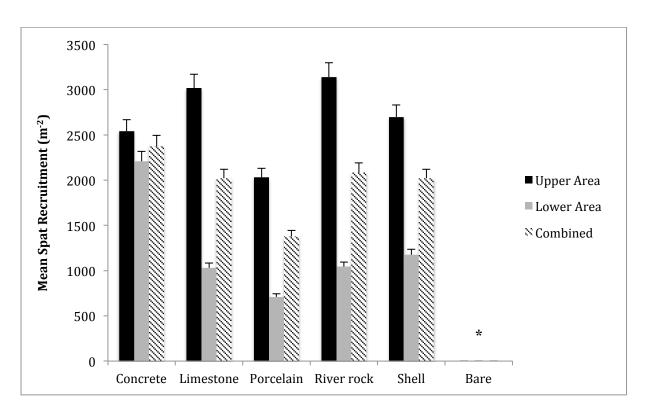
Spat recruitment

Spat recruitment densities ranged from  $322 \text{ m}^2$  to  $2412 \text{ m}^2$  (Table 1). No spat were observed on the bare sediment substrates. There was a significant difference in spat recruitment between substrates (p = <0.0001). Using a Tukey's HSD test, there were no significant differences between any of the substrates except for bare sediment. Bare sediment contained

significantly lower spat recruitment than all other substrates (Fig. 2). There was also a significant difference in spat recruitment between area (upper versus lower, p = 0.0002). Tukey's HSD test showed that the upper area had significantly higher spat recruitment than lower area for all substrates except concrete (Fig. 2).

**Table 1.** Spat m<sup>-2</sup> recruitment data (mean spat densities and mean shell heights ( $\pm$  SE)) per area placement and substrate type in St. Charles Bay, TX

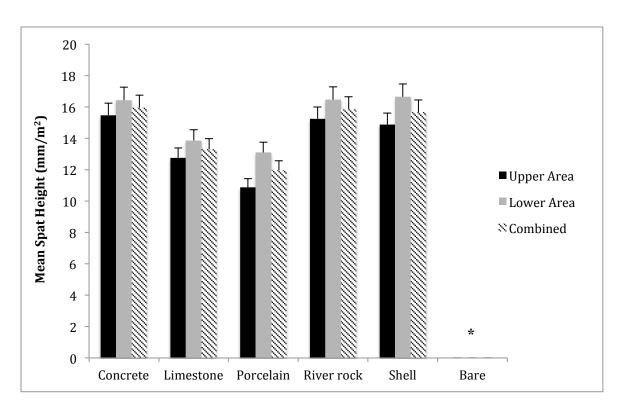
	G. I.D. G. D. I. D. D.	MEAN SPAT R		MEAN SHELL HEIGHT			
AREA	SUBSTRATE	(±S	5E)	(±SE)			
Lower	Concrete	2208.9	(680.4)	16.44	(3.4)		
	Limestone	1032.3	(292.5)	13.87	(2.6)		
	Porcelain	710.4	(222.2)	13.1	(4.8)		
	River rock	1043.4	(267.3)	6.47	(2.8)		
	Shell	1176.6	(283.5)	16.65	(4.0)		
Upper	Concrete	2541.9	(696.0)	15.48	(3.4)		
	Limestone	3019.2	(446.6)	12.75	(4.5)		
	Porcelain	2031.3	(475.9)	10.89	(2.0)		
	River rock	3141.3	(711.3)	15.25	(4.7)		
	Shell	2697.3	(638.6)	14.88	(3.7)		
Combined	Concrete	2375.4	(462.1)	15.96	(3.9)		
	Limestone	2020.2	(415.9)	13.31	(3.5)		
	Porcelain	1376.4	(739.2)	11.97	(2.9)		
	River rock	2086.8	(1585.4)	15.86	(3.8)		
	Shell	2020.2	(446.1)	15.67	(3.9)		



**Figure 2.** Mean spat recruitment (m<sup>-2</sup>) for each substrate type for upper, lower, and combined tray placement areas in St. Charles Bay, TX.

## Spat height

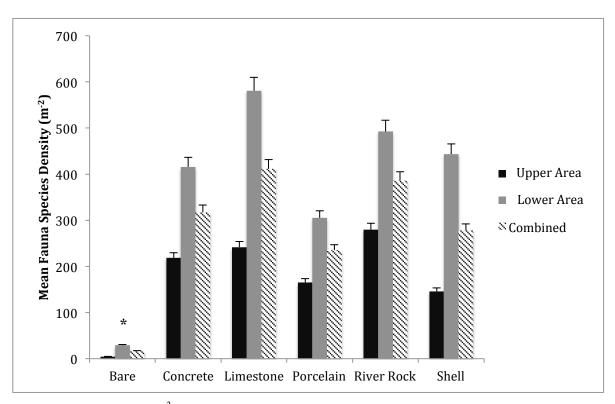
Spat shell heights (from hinge to lip) ranged from 1.4-41.5 mm. There was a significant difference in mean spat shell height between substrates (p = <0.0001) and between upper and lower areas (p = 0.0002) (Fig. 3). A Tukey's HSD test indicated that there were no significant differences in spat height between all substrates except bare sediment. Lower area had significantly higher mean spat lengths than upper area for both shell and porcelain substrates (Fig. 3).



**Figure 3.** Mean spat shell height (mm/m<sup>2</sup>) on each substrate type for upper, lower, and combined tray placement areas in St. Charles Bay, TX.

# Reef-associated faunal density

Mean faunal species densities associated with all substrates except bare sediment ranged from 175-500 individuals m<sup>-2</sup>. Mean densities on bare sediment ranged from  $9 - 58 \text{ m}^{-2}$ . Species densities were similar between all substrate types except bare sediment (p = <0.0001) (Table 2). There was a significant difference in species density between sites in upper and lower area areas (p = 0.0106), with lower area sites containing higher species densities (415.50 mean individuals per m<sup>2</sup>; Fig. 4).



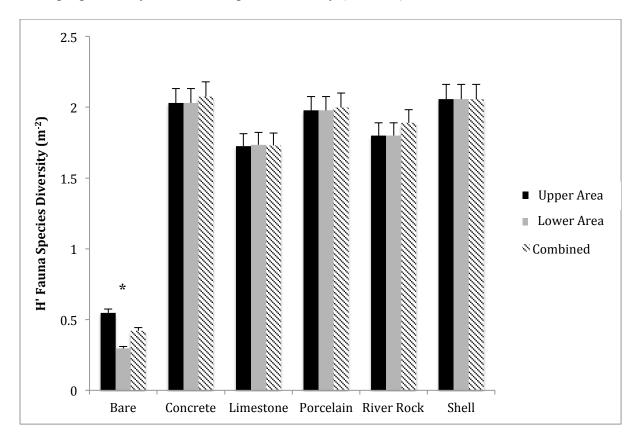
**Figure 4.** Faunal density (m<sup>-2</sup>) associated with each substrate type for upper, lower, and combined tray placement areas in St. Charles Bay, TX.

Table 2. Reef associated fauna (total abundance and mean densities (± SE)) collected in association with each substrate type in St. Charles Bay, TX.

			Bare		Concrete		Limestone		Porcelain		River Rock		Shell	
COMMON NAME	SCIENTIFIC NAME	TOTAL NUMBER	MEAN	(±SE)	MEAN	(±SE)	MEAN	(±SE)	MEAN	(±SE)	MEAN	(±SE)	MEAN	(±SE)
Mud crab	Xanthidae	1,132	3.5	(1.5)	15.3	(2.8)	34.3	(7.2)	17.0	(2.6)	26.7	(2.1)	21.3	(3.6)
Porcellain crab	Porcellanidae	12,956	0.0	(0.0)	254.0	(65.9)	346.3	(119.8)	178.7	(51.7)	312.9	(62.4)	216.3	(92.2)
Grass shrimp	Palaemontes spp.	465	0.0	(0.0)	18.4	(5.2)	9.8	(3.4)	14.1	(3.0)	6.1	(1.2)	13.9	(4.9)
Stone crab	Menippe adina	129	0.0	(0.0)	4.1	(0.8)	2.4	(0.7)	2.6	(0.7)	3.1	(0.7)	2.7	(0.5)
Snapping shrimp	Alpheus heterochaelis	583	0.0	(0.0)	10.0	(2.0)	12.6	(4.2)	13.3	(2.8)	14.1	(4.2)	10.7	(3.1)
Code goby	Gobiosoma robustum	19	0.0	(0.0)	4.5	(0.5)	0.0	(0.0)	1.3	(0.3)	0.0	(0.0)	5.0	(0.0)
Naked goby	Gobiosoma bosc	350	2.0	(0.0)	5.9	(0.9)	8.9	(3.1)	7.6	(0.8)	8.9	(1.5)	6.3	(0.9)
Area anchovy	Anchoa mitchilli	137	27.5	(24.5)	12.5	(4.9)	4.0	(0.0)	1.0	(0.0)	5.7	(4.2)	5.0	(4.0)
Skillet fish	Gobiesox strumosus	86	0.0	(0.0)	2.3	(0.5)	1.8	(0.5)	3.4	(0.9)	2.3	(0.6)	4.2	(1.2)
Gulf toadfish	Opsanus beta	116	0.0	(0.0)	3.4	(0.8)	2.8	(0.8)	2.9	(0.5)	3.2	(0.9)	2.9	(0.6)
Silver perch	Bairediella chrysoura	10	0.0	(0.0)	1.0	(0.0)	0.0	(0.0)	3.5	(1.5)	0.0	(0.0)	2.0	(0.0)
Spotfin mojarra	Eucinostomus argenteus	4	0.0	(0.0)	1.5	(0.5)	0.0	(0.0)	1.0	(0.0)	0.0	(0.0)	0.0	(0.0)
Striped blenny	Chasmodes bosquianus	1	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	1.0	(0.0)
Brown / Pink shrimp	Farfantapenaeus spp.	17	0.0	(0.0)	1.5	(0.0)	1.5	(0.0)	1.0	(0.0)	1.5	(0.0)	2.0	(0.0)
Blue crab	Calinectes sapidus	3	0.0	(0.0)	0.0	(0.0)	1.0	(0.0)	1.0	(0.0)	0.0	(0.0)	1.0	(0.0)
Pinfish	Langodon rhomboides	15	0.0	(0.0)	1.0	(0.0)	1.0	(0.0)	1.5	(0.5)	1.0	(0.0)	1.5	(0.5)
Sheepshead	Archosargus probatocephalus	35	0.0	(0.0)	2.3	(0.3)	1.0	(0.0)	1.3	(0.2)	1.4	(0.4)	1.3	(0.3)
Post-larval Penaids	r	1	0.0	(0.0)	1.0	(0.5)	0.0	(0.5)	0.0	(0.0)	0.0	(0.5)	0.0	(0.0)
Swimming crabs	Portunidae	2	1.0	(0.0)	1.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)
Feathered blenny	Hypsoblennius hentz	3	0.0	(0.0)	1.0	(0.0)	0.0	(0.0)	1.0	(0.0)	0.0	(0.0)	0.0	(0.0)
Gafftopsail catfish	Bagre marinus	4	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	1.0	(0.0)	2.0	(0.0)	1.0	(0.0)
Grey snapper	Lutjanus griseus	1	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	1.0	(0.0)

# Reef-associated faunal diversity

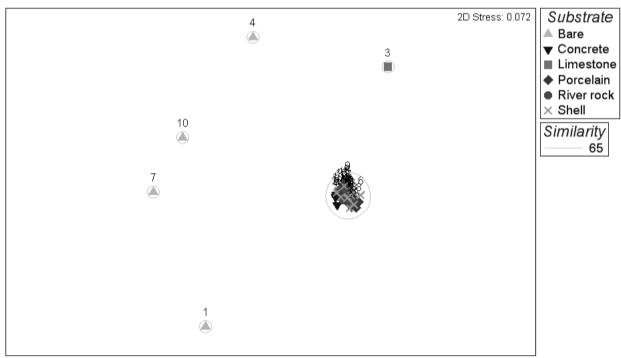
Species diversity (H') of reef-associated fauna ranged from 1.36 - 2.32 (Fig. 5). Species diversity was similar between upper and lower areas (p = 0.1879). There was a significant difference in mean species diversity between substrate types (p = <0.0001), with bare sediment having significantly lower mean species diversity (H' = 0.4) than the other substrates.

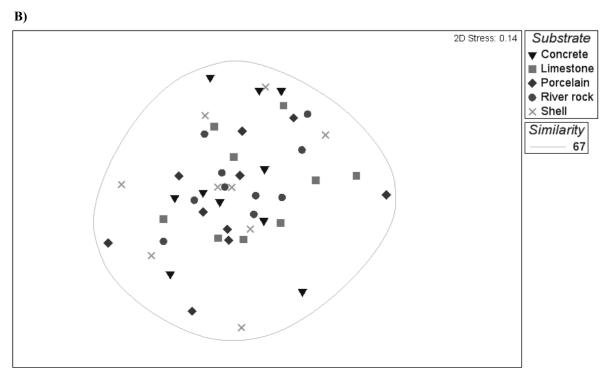


**Figure 5.** Species diversity (H') of reef associated fauna for each substrate type in lower and upper areas and combined in St. Charles Bay, TX.

Reef-associated faunal communities were generally similar to one another across substrate types, except for bare bottom (Fig. 6a). This was illustrated in the MDS analysis with almost all communities clustering into one large group with at least 67% similarity between substrate types (Fig. 6b).

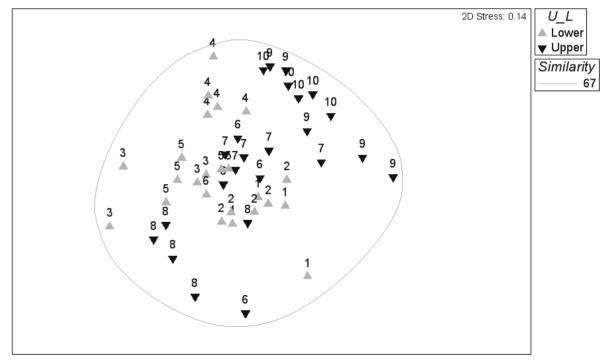






**Figure 6. A)** Multidimensional scaling plot of mean species-level community structure for each substrate type in St. Charles Bay, TX. **B)** Second-stage MDS plot, excluding bare sediment plots. Lines show similarity grouping result; 65, 67 refer to the percent similarity of samples within the cluster.

Reef-associated communities were also generally similar to one another from sites in upper and lower areas. The MDS analysis showed almost all communities clustering into one large group with at least 67% similarity between area areas (Fig. 7).



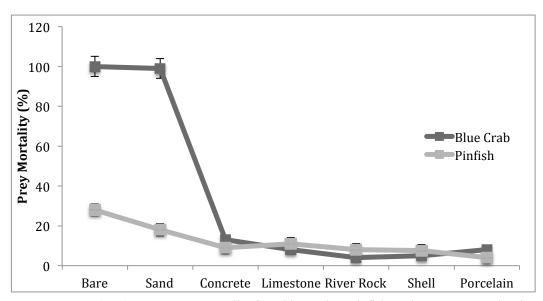
**Figure 7.** Multidimensional scaling plot of mean species-level community structure for lower and upper areas in St. Charles Bay, TX. Line shows similarity grouping; 67 refers to the percent similarity of the samples within the cluster; point labels refer to site numbers.

Analysis of Similarity results (excluding bare sediment) showed no significant differences in faunal communities between substrates (p = 0.111); however, there was a significant difference between faunal communities in sites 9 and 10 (p = 0.0340) when compared to all other sites. Porcellanid and Xanthid crabs were top contributors to each substrate, with naked gobies (*Gobiosoma bosc*) and snapping shrimp (*Alpheus heterochaelis*) switching back and forth between  $3^{rd}$  and  $4^{th}$  place in each grouping. Other frequently-occurring species were Palaemonetes shrimp, Gulf toadfish (*Opsanus beta*), stone crabs (*Menippe adina*) and skilletfish (*Gobiesox strumosis*). Blue crabs (*Callinectes sapidus*), spotfin mojarra (*Eucinostomus* 

*argenteus*) and sheepshead (*Archosargus probatocephalus*) were also found on some substrates, but not in large numbers.

## Laboratory Experiments

Prey mortality in the laboratory experiments ranged from 0-100% (Fig. 8). There was a significant interaction between substrate and predator type (p < 0.0001), and therefore a simple main effects analysis was conducted. A new variable was created by converting treatments into a one-way ANOVA for each predator\*substrate combination, to examine the effect of substrate type on mud crab mortality. The results from the one-way ANOVA were significant (p = <0.001). A Tukey's HSD test indicated that prey mortality due to blue crab predation was significantly higher on bare bottom or sand substrates than other substrates. Prey mortality due to pinfish predation on bare bottom and sand substrates were the next highest, however, pinfish predation on sand substrate was not significantly different than the shell, river rock, concrete, limestone and porcelain treatments. A power analysis showed that adequate sample sizes were used in these experiments.



**Figure 8.** Mean (±SE) percent prey mortality from blue crab or pinfish predators across each substrate type from tank experiments conducted at the Texas A&M AgriLife Mariculture Research Laboratory in Port Aransas, TX.

#### DISCUSSION

Our results suggest that all of the alternative substrates examined are suitable for oyster spat recruitment and growth with all substrates containing spat that had grown to near juvenile size (>25 mm). Previous studies have found similar success using concrete and limestone as alternatives to shell for spat recruitment (LDWF 2004, Burton et al. 2005, Brumbaugh 2000, Coen et al. 2008). The Texas Parks and Wildlife Department has incorporated river rock and limestone into recent restoration efforts with recruitment success comparable to restored reefs using only oyster shell (TPWD 2011).

In our study, spat were observed to attach to the outer surfaces of the substrates as well as within the crevices of the physical structure of each sampling tray. Porcelain tended to have slightly lower spat recruitment when compared to the other substrates. Because porcelain substrates were obtained from the municipal waste stream (i.e. post-consumer use toilets, tubs, sinks), some surfaces were enameled and observations of oyster spat scarring on these surfaces suggest they were not as suitable for permanent attachment by oyster spat. Using porcelain substrates with a greater proportion of rougher surfaces may have increased spat settlement rates. The crushed concrete contained a mixture of materials (e.g. gravel, concrete, fibers). This provided a variety of different types of surfaces on which spat could settle, and may partially explain the somewhat higher spat densities observed. Because the oyster shell substrates comprised loose shells rather than vertically complex reef habitat, they tended to form a flatlayer within the trays. This diminished 3-dimensional structure may not have provided as suitable a recruitment space for spat (Coen et al. 2008, Manley et al. 2010), and may have contributed to the low recruitment densities, along with the high salinities we found. All of the substrates used in this study are suitable alternatives to oyster shell. Concrete and river rock even outperformed shell with higher spat densities and spat shell heights. While porcelain did not

perform as well, it was still able to recruit spat and allow some to grow to juvenile size. If no other substrates are available, porcelain can still be used as a restoration aide.

Species densities of reef-associated fauna were surprisingly similar across substrate types, regardless of potential differences in habitat complexity due to differences in shapes of material (e.g. flat shells versus more rounded river rock). A study by Rodney and Paynter (2006) comparing macrofaunal assemblages on natural and restored reefs in Chesapeake Bay showed that restored reefs had an order of magnitude higher macrofauna density than natural reefs. The restored reef in their study consisted of loose oyster shell seeded by juvenile oysters (Rodney & Paynter 2006). Other studies have reported that restored reefs using seeded oysters on concrete structures display faunal communities similar to adjacent natural reefs after 1-5 years (Quan et al. 2009, Manley et al. 2010, Quan et al. 2012). Our results suggest that all substrates examined would be viable alternatives to shell for the purpose of supporting faunal communities.

Species diversity (H') was not significantly different across all substrates (mean values of 1-2) except for the bare sediment, which had a mean of 0.05. Excluding bare substrate samples, reef associated faunal community structure was generally similar across substrate types. The primary contributing species were consistent across substrates, including: mud crabs (Xanthidae), porcelain crabs (Porcellanidae), Gulf toadfish (*Opsanus beta*), naked gobies (*Gobiosoma bosc*) and grass shrimp (*Palaemonetes spp.*). These oyster reef residents are typical species found in this area (Gain 2009). Our results are similar to the findings that Kingsley-Smith et al. (2012) obtained on their study of natural reefs in South Carolina. Their fauna diversity (H') data matched our values with mean diversities ranging from 1-2 (Kingsley-Smith et al. 2012). All of the substrates used in this study displayed similar habitat function to oyster shell for reef-associated fauna.

Oyster reefs support a wide variety of molluscs, crustaceans, fish and polychaetes (Wells 1961, Grabowski et al. 2005, Boudreaux et al. 2006). The faunal communities observed in association with the various substrate types in this study are similar to those found on natural reefs with gobies (*Gobiosoma spp.*), blennies (*Hypsoblennius spp.*), Xanthid crabs and stone crabs (*Menippe adina*) recurring in many similar studies (Bahr & Lanier 1981, Newell 1988, Coen et al. 1999, Breitburg 1999, Tolley & Volety 2005, Kingsley-Smith et al. 2012). The observation of crab densities far exceeding other taxa, regardless of substrate type, supports results from previous studies on natural reefs (Zimmerman et al. 1989, Micheli & Peterson 1999, Minello 1999, Meyer & Townsend 2005, Tolley & Volety 2005). Gobies, Gulf toadfish and skilletfish, the most abundant fishes found associated with the substrates, have been shown to use shell crevices as spawning and foraging areas. The interstitial spaces formed by the substrates (Grabowski 2004, Grawbowski & Kimbro 2005, Gain 2009). This suggests that these alternative substrates may provide enhanced reproductive value for these species as well given the many interstitial spaces our substrates provide for shelter during spawning.

The results from the lab experiments indicate that increased habitat complexity yields lower prey mortality. This is quite intuitive given that greater species abundances are typically found in structurally complex habitats that allow refuge and concealment from predators (Laegdsgaard & Johnson 2001, Grabowski & Powers 2004). The lack of significant difference in prey mortality due to pinfish predation between sand substrates and the structurally complex substrates was unexpected. However, observations showed pinfish foraging behaviors were modified in the sand treatments, as they would bury themselves beneath the sand, perhaps as their own avoidance behavior. These fish species are commonly found on oyster reefs in this area and may utilize the 3-dimensional structures for refuge themselves due to their small size (Gain 2009). Studies on habitat complexity have found that predators have restricted mobility as

complexity increases; furthermore, juvenile fish mobility may also be inhibited by highly complex habitats through the lack of visual detection of predators (Adams et al. 2004, Horinouchi 2007). Our results mirrored these findings in that the more structurally complex the habitat, the less predation by either predator was allowed to occur. Therefore, the reduced prey mortality rates in these experiments may have been due to the available complex habitat. Similar prey mortalities across substrate types and predators suggest that all of the materials examined (exclusing bare or sand bottom) provide viable prey refuge and suitable habitat for reef resident species.

Site selection is another important consideration when restoring oyster reef habitats, particularly as it relates to availability of larval oysters to colonize new substrates (Beseres Pollack et al. 2012). In this study, spat recruitment varied strongly between upper and lower areas with upper areas having higher recruitment. A variety of factors could contribute to this significant result including location of larval source reefs, water circulation patterns, and hydrological fluctuation. Similarly, in a South Carolina estuary, Kingsley-Smith et al. (2012) found little difference in spat recruitment between natural and enhanced (concrete blocks) reef treatments but significant differences between sites. Future restoration strongly depends on the choice of site, as well as, substrate used. Spat recruitment differences observed in the current study will help inform future oyster restoration projects in St. Charles Bay.

Spatial scale is also important to consider. Eggleston et al. (1998) examined differences in species density and diversity between small and large patches of oyster reef, and found that larger reefs supported higher numbers of faunal species (Eggleston et al. 1998). Although our study has shown that there are no difference in faunal densities between substrate types, larger scale, longer term studies should be conducted for more accurate pictures of each substrate's success as viable habitat for oysters and reef-associated fauna. Because each substrate has a

different source, some of which were new and others of which were reclaimed or diverted from the waste stream, research should also focus on assessing environmental impacts associated with all the stages of a substrate's life. Studies pertaining to shell life cycle analysis found that shell spat accumulation and growth is important in stabilizing reefs (Powell & Klinck 2007, Waldbusser et al. 2013). Studies have yet to be done on the other substrates used in this study. In addition, each substrate also has a different chemical composition and information is also needed on the long-term sustainability of each material in estuarine and marine environments. One particular study by Miller et al. (2009) showed that oyster shell area decreased 16% and shell calcium content was reduced by 42% when exposed to high CO<sub>2</sub> levels. (Caldeira & Wickett, Orr et al. 2005, Miller 2009)

The main goals of this study were to determine if four different substrates were viable reef restoration alternatives to shell in their ability to recruit oyster spat, allow spat growth to juvenile size and provide refuge for reef-associated macroinvertebrates and fish. An understanding of the relative habitat value of alternative substrates for oyster reef restoration is important for sustainable management of this important coastal natural resource. Our findings suggest that concrete, limestone, porcelain and river rock are suitable alternatives to oyster shell in their ability to recruit spat and allow them to mature to juvenile size. Furthermore, all substrates used in this study are suitable alternatives to shell in providing valuable habitat for macrofauna. This study provides important information for future restoration planning, supporting the use of more readily available, less expensive, and/or environmentally friendly, recycled substrates.

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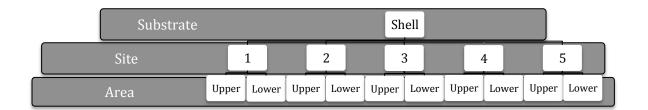
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# **APPENDIX A: Experimental Design**



## APPENDIX B. ANOVA and Tukey's HSD post-hoc Tables

Table 1. Two-way blocked partially hierarchical ANOVA on spat recruitment

	Source	DF	Type III SS	Mean Square	F Value	Pr > F
	Area	1	9.719860	9.719860	6.61	<.0001
*	Substrate	5	87.530490	17.506098	61.46	0.0445
	Site(Area)	8	11.692016	1.461502	5.13	0.0002
	Error: MS(Error)	38	10.823445	0.284828		
Error 7.97 11.732373 1.471260 Error: 1.0083*MS(site(area)) - 0.0083*MS(Error)						

**Table 2.** Tukey's HSD *post-hoc* analysis on spat recruitment per substrate

Means with the same letter are not significantly different.						
Tukey Grouping	Mean	N	substrate			
A	5.1454	10	Concrete			
A						
A	4.9939	9	Shell			
Α						
Α	4.9529	10	Limestone			
A						
A	4.9457	10	River rock			
A						
A	4.4468	10	Porcelain			
В	0.0000	4	Bare			

**Table 3.** Two-way blocked partially hierarchical ANOVA on spat height

	Source	DF	Type III SS	Mean Square	F Value	Pr > F
	Area	1	0.112426	0.112426	0.52	0.4907
*	Substrate	5	16.113822	3.222764	58.07	<.0001
	Site(Area)	8	1.731646	0.216456	3.90	0.0002
	Error: MS(Error)	455	25.249605	0.055494		
Error 8.02 1.729526 0.215598 Error: 0.9947*MS(Site(Area)) + 0.0053*MS(Error)						

**Table 4.** Tukey's HSD *post-hoc* analysis on spat height per substrate

Means with the same letter are not significantly different.						
Tukey Grouping	Mean	N	Substrate			
A	1.17673	98	Concrete			
A						
A	1.16795	95	Porcelain			
A						
A	1.11293	85	River rock			
A						
A	1.09663	93	Limestone			
A						
Α	1.07201	87	Shell			
В	0.00000	12	Bare			

 Table 5. Two-way blocked partially hierarchical ANOVA on faunal density

	Sourc	ce	DF	Type III SS	Mean Square	F Value	Pr > F
	Area		1	5.728121	5.728121	4.74	0.0613
*	Subst	trate	5	45.806219	9.161244	22.80	<.0001
	Site(A	Area)	8	9.609121	1.201140	2.99	0.0106
	Error	: MS(Error)	38	15.271755	0.401888		
							1
		Error	7.956	9.609025	1.207768		
Error: 1.0083*MS(Site(Area)) - 0.0083*MS(Error)							

**Table 6.** Tukey's HSD *post-hoc* analysis on faunal density per area placement

Means with the same letter are not significantly different.						
Tukey Grouping	Mean	N	Area			
A	415.50	26	Lower			
В	195.04	27	Upper			

**Table 7.** Two-way blocked partially hierarchical ANOVA on faunal diversity

	Source	e	DF	Type III SS	Mean Square	F Value	Pr > F
	Area		1	0.000184	0.000184	0.00	0.9631
*	Substr	ate	5	7.792707	1.558541	29.04	<.0001
	Site(A	rea)	8	0.646334	0.080792	1.51	0.1879
	Error: MS(Error)		38	2.039523	0.053672		
		Error	7.91	0.641066	0.081017		
	Error: 1.0083*MS(Site(Area)) - 0.0083*MS(Error)						

**Table 8.** Tukey's HSD *post-hoc* analysis on faunal diversity per substrate

Means with the same letter are not significantly different.						
<b>Tukey Grouping</b>	Mean	N	Substrate			
A	2.0747	10	concrete			
A						
A	2.0389	9	shell			
A						
A	1.9993	10	porcelain			
A						
A	1.8892	10	river rock			
A						
A	1.7304	10	limestone			
В	0.4211	4	bare			

**Table 9.** Two-way AVOVA on prey mortality with regards to predator and substrate.

Source	DF	Type III SS	Mean Square	F Value	<b>Pr</b> > <b>F</b>
predator	1	18021.4286	18021.4286	134.51	<.0001
substrate	6	100375.0000	16729.1667	124.86	<.0001
predator*substrate	6	53920.2381	8986.7063	67.07	<.0001

**Table 10.** One-way ANOVA on prey mortality with regards to predator and substrate.

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Predator_Substrate	13	172316.6667	13255.1282	98.93	<.0001

**Table 11.** Tukey's HSD *post-hoc* analysis on simple main effects model for prey mortality.

Means with the same letter are not significantly different.							
<b>Tukey Grouping</b>	Mean	N	Predator_Substrate				
A	100.000	12	Blue crab_Bare				
A	99.167	12	Blue crab_Sand				
В	27.500	12	Pinfish_Bare				
СВ	17.500	12	Pinfish_Sand				
C	10.833	12	Pinfish_Limestone				
C	9.167	12	Pinfish_Concrete				
C	8.333	12	Blue crab_Limestone				
C	8.333	12	Blue_crab_Porcelain				
C	8.333	12	Pinfish_River rock				
C	7.500	12	Pinfish_Shell				
C	5.000	12	Blue crab_Shell				
C	5.000	12	Blue crab_Concrete				
C	4.167	12	Pinfish_Porcelain				
C	4.167	12	Blue crab_River rock				

### **APPENDIX C: ANOSIM Output**

### **ANOSIM**

## Analysis of Similarities

### Two-Way Crossed Analysis

Resemblance worksheet

Name: Resem1

Data type: Similarity

Selection: All

Parameters

Rank correlation method: Spearman

#### Factor Groups

factor Groups		
Sample	Site	Substrate
Concrete1	1	Concrete
Limestone1	1	Limestone
Porcelain1	1	Porcelain
River rock1	1	River rock
Concrete4	4	Concrete
Limestone4	4	Limestone
Porcelain4	4	Porcelain
River rock4	4	River rock
Shell4	4	Shell
Concrete7	7	Concrete
Limestone7	7	Limestone
Porcelain7	7	Porcelain
River rock7	7	River rock
Shell7	7	Shell
Concrete10	10	Concrete
Limestone10	10	Limestone
Porcelain10	10	Porcelain
River rock10	10	River rock
Shell10	10	Shell
Concrete2	2	Concrete
Limestone2	2	Limestone
Porcelain2	2	Porcelain
River rock2	2	River rock
Shell2	2	Shell
Concrete3	3	Concrete
Limestone3	3	Limestone
Porcelain3	3	Porcelain
River rock3	3	River rock
Shell3	3	Shell
Concrete5	5	Concrete
Limestone5	5	Limestone
Porcelain5	5	Porcelain
River rock5	5	River rock
Shell5	5	Shell
Concrete6	6	Concrete
Limestone6	6	Limestone
Porcelain6	6	Porcelain
River rock6	6	River rock
Shell6	6	Shell

Concrete8 8 Concrete
Limestone8 8 Limestone
Porcelain8 8 Porcelain
River rock8 8 River rock
Shell8 8 Shell
Concrete9 9 Concrete
Limestone9 9 Limestone
Porcelain9 9 Porcelain
River rock9 9 River rock
Shell9 9 Shell

TESTS FOR DIFFERENCES BETWEEN Site GROUPS

(across all Substrate groups)

Global Test

Sample statistic (Rho): 0.109

Significance level of sample statistic: 3.4% Number of permutations: 999 (Random sample)

Number of permuted statistics greater than or equal to Rho: 110

TESTS FOR DIFFERENCES BETWEEN Substrate GROUPS

(across all Site groups)

Global Test

Sample statistic (Rho): 0.159

Significance level of sample statistic: 11.1% Number of permutations: 999 (Random sample)

Number of permuted statistics greater than or equal to Rho: 18

Outputs

Plot: Graph14 Plot: Graph15

### **APPENDIX D: Raw Data**

# Substrate Fouling (m<sup>2</sup>)

Sample				barnacles	mussels	slipper shells
Date	site	substrate	spat (m²)	(m <sup>2</sup> )	(m <sup>2</sup> )	(m <sup>2</sup> )
9-Sep-12	1	Concrete	4484.4	765.9	299.7	22.2
9-Sep-12	1	Limestone	1676.1	66.6	344.1	510.6
9-Sep-12	1	Porcelain	1420.8	33.3	510.6	566.1
9-Sep-12	1	River rock	1753.8	33.3	122.1	66.6
9-Sep-12	2	Concrete	2120.1	44.4	410.7	155.4
9-Sep-12	2	Limestone	1776	44.4	288.6	0
9-Sep-12	2	Porcelain	888	44.4	410.7	210.9
9-Sep-12	2	River rock	943.5	0	499.5	277.5
9-Sep-12	2	Shell	1354.2	210.9	321.9	22.2
9-Sep-12	3	Concrete	333	55.5	166.5	0
9-Sep-12	3	Limestone	377.4	33.3	555	199.8
9-Sep-12	3	Porcelain	88.8	11.1	188.7	22.2
9-Sep-12	3	River rock	710.4	11.1	543.9	255.3
9-Sep-12	3	Shell	410.7	333	255.3	22.2
9-Sep-12	4	Concrete	2564.1	55.5	710.4	44.4
9-Sep-12	4	Limestone	532.8	22.2	954.6	355.2
9-Sep-12	4	Porcelain	455.1	55.5	299.7	33.3
9-Sep-12	4	River rock	277.5	55.5	55.5	77.7
9-Sep-12	4	Shell	1154.4	688.2	943.5	233.1
9-Sep-12	5	Concrete	1554	55.5	188.7	199.8
9-Sep-12	5	Limestone	777	55.5	210.9	133.2
9-Sep-12	5	Porcelain	721.5	44.4	355.2	210.9
9-Sep-12	5	River rock	1509.6	44.4	444	377.4
9-Sep-12	5	Shell	1764.9	66.6	310.8	99.9
8-Sep-12	6	Concrete	4872.9	777	266.4	233.1
8-Sep-12	6	Limestone	2453.1	133.2	355.2	122.1
8-Sep-12	6	Porcelain	2841.6	510.6	133.2	166.5
8-Sep-12	6	River rock	4573.2	233.1	410.7	355.2
8-Sep-12	6	Shell	2664	1087.8	477.3	133.2
8-Sep-12	7	Concrete	2020.2	532.8	521.7	66.6
8-Sep-12	7	Limestone	3907.2	488.4	555	288.6
8-Sep-12	7	Porcelain	2852.7	1143.3	155.4	210.9
8-Sep-12	7	River rock	2974.8	321.9	321.9	177.6
8-Sep-12	7	Shell	3796.2	1254.3	1653.9	210.9
8-Sep-12	8	Concrete	1454.1	954.6	421.8	88.8
8-Sep-12	8	Limestone	1809.3	188.7	399.6	310.8

8-Sep-12	8	Porcelain	1087.8	532.8	144.3	210.9
8-Sep-12	8	River rock	1598.4	111	555	222
8-Sep-12	8	Shell	1531.8	455.1	344.1	155.4
8-Sep-12	9	Concrete	3307.8	754.8	321.9	22.2
8-Sep-12	9	Limestone	4173.6	377.4	222	244.2
8-Sep-12	9	Porcelain	2697.3	321.9	0	33.3
8-Sep-12	9	River Rock	1609.5	266.4	466.2	310.8
8-Sep-12	9	Shell	1087.8	954.6	66.6	33.3
9-Sep-12	10	Concrete	1054.5	77.7	177.6	88.8
9-Sep-12	10	Limestone	2730.6	1098.9	122.1	11.1
9-Sep-12	10	Porcelain	666	33.3	199.8	177.6
8-Sep-12	10	River rock	4961.7	577.2	122.1	66.6
9-Sep-12	10	Shell	4428.9	3019.2	732.6	155.4

# Spat Height (mm)

	T	T	1
Sample			
Date	site	substrate	spat lengths
9-Sep-12	1	Concrete	29.0
9-Sep-12	1	Concrete	22.7
9-Sep-12	1	Concrete	8.7
9-Sep-12	1	Concrete	19.5
9-Sep-12	1	Concrete	12.7
9-Sep-12	1	Concrete	30.4
9-Sep-12	1	Concrete	12.4
9-Sep-12	1	Concrete	8.7
9-Sep-12	1	Concrete	10.2
9-Sep-12	1	Concrete	24.5
9-Sep-12	2	Concrete	24.8
9-Sep-12	2	Concrete	17.7
9-Sep-12	2	Concrete	6.6
9-Sep-12	2	Concrete	16.4
9-Sep-12	2	Concrete	31.7
9-Sep-12	2	Concrete	3.5
9-Sep-12	2	Concrete	22.0
9-Sep-12	2	Concrete	16.6
9-Sep-12	2	Concrete	6.0
9-Sep-12	2	Concrete	18.8
9-Sep-12	3	Concrete	6.5
9-Sep-12	3	Concrete	15.6
9-Sep-12	3	Concrete	7.0
9-Sep-12	3	Concrete	17.9
9-Sep-12	3	Concrete	4.9

9-Sep-12         3         Concrete         9.5           9-Sep-12         3         Concrete         9.5           9-Sep-12         3         Concrete         9.6           9-Sep-12         3         Concrete         24.6           9-Sep-12         4         Concrete         28.0           9-Sep-12         4         Concrete         11.9           9-Sep-12         4         Concrete         8.4           9-Sep-12         4         Concrete         9.4           9-Sep-12         4         Concrete         29.4           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         25.2           9-Sep-12         5         Concrete         28.6           9-Sep-12         5         Concrete         10.1           9-Sep-12         5         Concrete         20.2           9-Sep-12				
9-Sep-12 3 Concrete 9.6 9-Sep-12 3 Concrete 9.6 9-Sep-12 3 Concrete 24.6 9-Sep-12 4 Concrete 11.9 9-Sep-12 4 Concrete 8.4 9-Sep-12 4 Concrete 9.4 9-Sep-12 4 Concrete 9.4 9-Sep-12 4 Concrete 9.4 9-Sep-12 4 Concrete 9.4 9-Sep-12 4 Concrete 8.1 9-Sep-12 4 Concrete 8.1 9-Sep-12 4 Concrete 12.9 9-Sep-12 4 Concrete 12.9 9-Sep-12 4 Concrete 25.2 9-Sep-12 4 Concrete 10.1 9-Sep-12 4 Concrete 10.1 9-Sep-12 5 Concrete 10.1 9-Sep-12 5 Concrete 10.1 9-Sep-12 5 Concrete 10.1 9-Sep-12 5 Concrete 12.6 9-Sep-12 6 Concrete 14.7 9-Sep-12 5 Concrete 14.7 9-Sep-12 5 Concrete 19.1 9-Sep-12 6 Concrete 19.2 8-Sep-12 6 Concrete 19.2 8-Sep-12 6 Concrete 12.18 8-Sep-12 6 Concrete 12.18 8-Sep-12 6 Concrete 12.48 8-Sep-12 6 Concrete 12.49 8-Sep-12 6 Concrete 12.49 8-Sep-12 6 Concrete 12.59 8-Sep-12 6 Concrete 12.69 8-Sep-12 6 Concrete 12.69 8-Sep-12 6 Concrete 12.18 8-Sep-12 6 Concrete 12.19 8-Sep-12 6 Concrete 12.19 8-Sep-12 7 Concrete 13.9	9-Sep-12	3	Concrete	12.7
9-Sep-12         3         Concrete         24.6           9-Sep-12         4         Concrete         28.0           9-Sep-12         4         Concrete         11.9           9-Sep-12         4         Concrete         8.4           9-Sep-12         4         Concrete         9.4           9-Sep-12         4         Concrete         5.8           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         28.6           9-Sep-12         5         Concrete         10.1           9-Sep-12         5         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         27.7           9-Sep-12 </td <td>9-Sep-12</td> <td>3</td> <td>Concrete</td> <td>9.5</td>	9-Sep-12	3	Concrete	9.5
9-Sep-12	9-Sep-12	3	Concrete	13.5
9-Sep-12	9-Sep-12	3	Concrete	9.6
9-Sep-12	9-Sep-12	3	Concrete	24.6
9-Sep-12         4         Concrete         8.4           9-Sep-12         4         Concrete         9.4           9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         12.9           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12 </td <td>9-Sep-12</td> <td>4</td> <td>Concrete</td> <td>28.0</td>	9-Sep-12	4	Concrete	28.0
9-Sep-12         4         Concrete         5.8           9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         16.41           8-Sep-12<	9-Sep-12	4	Concrete	11.9
9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         12.9           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         5         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         14.4           8-Sep-12<	9-Sep-12	4	Concrete	8.4
9-Sep-12         4         Concrete         8.1           9-Sep-12         4         Concrete         12.9           9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         14.4           8-Sep-12         6         Concrete         14.84           8-Sep-1	9-Sep-12	4	Concrete	9.4
9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         4         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         12.45           8-S	9-Sep-12	4	Concrete	5.8
9-Sep-12         4         Concrete         25.2           9-Sep-12         4         Concrete         28.6           9-Sep-12         5         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         12.45           8-S	9-Sep-12	4	Concrete	8.1
9-Sep-12         4         Concrete         10.1           9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         14.84           8-Sep-12         6         Concrete         12.45           8-Sep-12         6         Concrete         20.69           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         21.29 <td< td=""><td>9-Sep-12</td><td>4</td><td>Concrete</td><td>12.9</td></td<>	9-Sep-12	4	Concrete	12.9
9-Sep-12       4       Concrete       10.1         9-Sep-12       5       Concrete       19.9         9-Sep-12       5       Concrete       30.2         9-Sep-12       5       Concrete       22.2         9-Sep-12       5       Concrete       20.0         9-Sep-12       5       Concrete       27.7         9-Sep-12       5       Concrete       27.7         9-Sep-12       5       Concrete       14.7         9-Sep-12       5       Concrete       14.7         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       12.48         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7	9-Sep-12	4	Concrete	25.2
9-Sep-12         5         Concrete         19.9           9-Sep-12         5         Concrete         30.2           9-Sep-12         5         Concrete         22.2           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         19.2           8-Sep-12         6         Concrete         14.8           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         14.84           8-Sep-12         6         Concrete         12.45           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         5.2           8-Se	9-Sep-12	4	Concrete	28.6
9-Sep-12       5       Concrete       30.2         9-Sep-12       5       Concrete       22.2         9-Sep-12       5       Concrete       20.0         9-Sep-12       5       Concrete       27.7         9-Sep-12       5       Concrete       14.7         9-Sep-12       5       Concrete       23.3         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.5         8-Sep-12       7	9-Sep-12	4	Concrete	10.1
9-Sep-12       5       Concrete       22.2         9-Sep-12       5       Concrete       12.6         9-Sep-12       5       Concrete       20.0         9-Sep-12       5       Concrete       27.7         9-Sep-12       5       Concrete       14.7         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7	9-Sep-12	5	Concrete	19.9
9-Sep-12         5         Concrete         12.6           9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         12.48           8-Sep-12         6         Concrete         20.89           8-Sep-12         6         Concrete         12.45           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         5.2           8-Sep-12         7         Concrete         10.5           8-Sep-12         7         Concrete         10.5	9-Sep-12	5	Concrete	30.2
9-Sep-12         5         Concrete         20.0           9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         14.84           8-Sep-12         6         Concrete         20.89           8-Sep-12         6         Concrete         12.45           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         20.67           8-Sep-12         7         Concrete         10.5           8-Sep-12         7         Concrete         10.5           8-Sep-12         7         Concrete         10.2 <t< td=""><td>9-Sep-12</td><td>5</td><td>Concrete</td><td>22.2</td></t<>	9-Sep-12	5	Concrete	22.2
9-Sep-12         5         Concrete         27.7           9-Sep-12         5         Concrete         14.7           9-Sep-12         5         Concrete         23.3           9-Sep-12         5         Concrete         19.1           9-Sep-12         5         Concrete         19.2           8-Sep-12         6         Concrete         17.88           8-Sep-12         6         Concrete         16.41           8-Sep-12         6         Concrete         12.18           8-Sep-12         6         Concrete         14.84           8-Sep-12         6         Concrete         20.89           8-Sep-12         6         Concrete         12.45           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         20.67           8-Sep-12         6         Concrete         5.2           8-Sep-12         7         Concrete         10.5           8-Sep-12         7         Concrete         10.5           8-Sep-12         7         Concrete         10.2           8-Sep-12         7         Concrete         13.9	9-Sep-12	5	Concrete	12.6
9-Sep-12       5       Concrete       14.7         9-Sep-12       5       Concrete       23.3         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	20.0
9-Sep-12       5       Concrete       23.3         9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	27.7
9-Sep-12       5       Concrete       19.1         9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	14.7
9-Sep-12       5       Concrete       19.2         8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	23.3
8-Sep-12       6       Concrete       17.88         8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	19.1
8-Sep-12       6       Concrete       16.41         8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       6       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	9-Sep-12	5	Concrete	19.2
8-Sep-12       6       Concrete       12.18         8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	17.88
8-Sep-12       6       Concrete       14.84         8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	16.41
8-Sep-12       6       Concrete       20.89         8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	12.18
8-Sep-12       6       Concrete       12.45         8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       7       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	14.84
8-Sep-12       6       Concrete       8.02         8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       6       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	20.89
8-Sep-12       6       Concrete       20.67         8-Sep-12       6       Concrete       21.29         8-Sep-12       6       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	12.45
8-Sep-12       6       Concrete       21.29         8-Sep-12       6       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       18.8         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	8.02
8-Sep-12       6       Concrete       5.2         8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       18.8         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	20.67
8-Sep-12       7       Concrete       10.5         8-Sep-12       7       Concrete       18.8         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	21.29
8-Sep-12       7       Concrete       18.8         8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	6	Concrete	5.2
8-Sep-12       7       Concrete       9.6         8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	7	Concrete	10.5
8-Sep-12       7       Concrete       10.2         8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	7	Concrete	18.8
8-Sep-12       7       Concrete       13.9         8-Sep-12       7       Concrete       14.6         8-Sep-12       7       Concrete       5.0	8-Sep-12	7	Concrete	9.6
8-Sep-12         7         Concrete         14.6           8-Sep-12         7         Concrete         5.0	8-Sep-12	7	Concrete	10.2
8-Sep-12 7 Concrete 5.0	8-Sep-12	7	Concrete	13.9
	8-Sep-12	7	Concrete	14.6
8-Sep-12 7 Concrete 15.1	8-Sep-12	7	Concrete	5.0
	8-Sep-12	7	Concrete	15.1

8-Sep-12         7         Concrete         21.3           9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         4.0           9-Sep-12         8         Concrete         8.4           9-Sep-12         8         Concrete         18.9           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         17.5           9-Sep-12				
9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         8.4           9-Sep-12         8         Concrete         18.9           9-Sep-12         8         Concrete         4.7           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12	8-Sep-12	7	Concrete	5.5
9-Sep-12         8         Concrete         8.4           9-Sep-12         8         Concrete         8.4           9-Sep-12         8         Concrete         18.9           9-Sep-12         8         Concrete         4.7           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         18.1           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12	8-Sep-12	7	Concrete	21.3
9-Sep-12         8         Concrete         18.9           9-Sep-12         8         Concrete         4.7           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12 <td>9-Sep-12</td> <td>8</td> <td>Concrete</td> <td>4.5</td>	9-Sep-12	8	Concrete	4.5
9-Sep-12         8         Concrete         4.7           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         18.1           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12 </td <td>9-Sep-12</td> <td>8</td> <td>Concrete</td> <td>4.0</td>	9-Sep-12	8	Concrete	4.0
9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         9.8           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12<	9-Sep-12	8	Concrete	8.4
9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12	9-Sep-12	8	Concrete	18.9
9-Sep-12         8         Concrete         3.9           9-Sep-12         8         Concrete         3.4           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-1	9-Sep-12	8	Concrete	4.7
9-Sep-12         8         Concrete         4.5           9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         25.8           9-S	9-Sep-12	8	Concrete	9.8
9-Sep-12         8         Concrete         4.5           9-Sep-12         9         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         25.8           9	9-Sep-12	8	Concrete	3.9
9-Sep-12         8         Concrete         28.8           9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         25.8 <td< td=""><td>9-Sep-12</td><td>8</td><td>Concrete</td><td>3.4</td></td<>	9-Sep-12	8	Concrete	3.4
9-Sep-12         9         Concrete         20.2           9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         25.8           9-Sep-12         10         Concrete         27.2 <t< td=""><td>9-Sep-12</td><td>8</td><td>Concrete</td><td>4.5</td></t<>	9-Sep-12	8	Concrete	4.5
9-Sep-12         9         Concrete         16.7           9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         22.0           9-Sep-12         10         Concrete         25.8           9-Sep-12         10         Concrete         25.8           9-Sep-12         1         Limestone         23.0           <	9-Sep-12	8	Concrete	18.1
9-Sep-12         9         Concrete         15.1           9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         23.0           9-Sep-12         9         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         22.0           9-Sep-12         10         Concrete         25.8           9-Sep-12         10         Concrete         27.2           9-Sep-12         1         Limestone         3.0           <	9-Sep-12	9	Concrete	28.8
9-Sep-12         9         Concrete         32.6           9-Sep-12         9         Concrete         27.7           9-Sep-12         9         Concrete         10.1           9-Sep-12         9         Concrete         15.0           9-Sep-12         9         Concrete         17.5           9-Sep-12         9         Concrete         23.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         29.0           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         23.9           9-Sep-12         10         Concrete         20.3           9-Sep-12         10         Concrete         22.0           9-Sep-12         10         Concrete         22.0           9-Sep-12         10         Concrete         27.2           9-Sep-12         1         Limestone         23.0           9-Sep-12         1         Limestone         5.1	9-Sep-12	9	Concrete	20.2
9-Sep-12       9       Concrete       27.7         9-Sep-12       9       Concrete       10.1         9-Sep-12       9       Concrete       15.0         9-Sep-12       9       Concrete       17.5         9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       3.7         9-Sep-12       1 </td <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>16.7</td>	9-Sep-12	9	Concrete	16.7
9-Sep-12       9       Concrete       27.7         9-Sep-12       9       Concrete       10.1         9-Sep-12       9       Concrete       15.0         9-Sep-12       9       Concrete       17.5         9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1 </td <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>15.1</td>	9-Sep-12	9	Concrete	15.1
9-Sep-12       9       Concrete       10.1         9-Sep-12       9       Concrete       15.0         9-Sep-12       9       Concrete       17.5         9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1 <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>32.6</td>	9-Sep-12	9	Concrete	32.6
9-Sep-12       9       Concrete       15.0         9-Sep-12       9       Concrete       17.5         9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       8.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1 <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>27.7</td>	9-Sep-12	9	Concrete	27.7
9-Sep-12       9       Concrete       17.5         9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       8.9         9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1 <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>10.1</td>	9-Sep-12	9	Concrete	10.1
9-Sep-12       9       Concrete       23.0         9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       8.9         9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1 </td <td>9-Sep-12</td> <td>9</td> <td>Concrete</td> <td>15.0</td>	9-Sep-12	9	Concrete	15.0
9-Sep-12       10       Concrete       29.0         9-Sep-12       10       Concrete       8.9         9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       15.2         9-Sep-12       1<	9-Sep-12	9	Concrete	17.5
9-Sep-12       10       Concrete       8.9         9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	9	Concrete	23.0
9-Sep-12       10       Concrete       17.9         9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	29.0
9-Sep-12       10       Concrete       23.9         9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	8.9
9-Sep-12       10       Concrete       20.3         9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	17.9
9-Sep-12       10       Concrete       19.1         9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	23.9
9-Sep-12       10       Concrete       22.0         9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	20.3
9-Sep-12       10       Concrete       25.8         9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	19.1
9-Sep-12       10       Concrete       27.2         9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	22.0
9-Sep-12       10       Concrete       18.8         9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	25.8
9-Sep-12       1       Limestone       23.0         9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	27.2
9-Sep-12       1       Limestone       8.0         9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	10	Concrete	18.8
9-Sep-12       1       Limestone       5.1         9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	23.0
9-Sep-12       1       Limestone       4.2         9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	8.0
9-Sep-12       1       Limestone       3.7         9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	5.1
9-Sep-12       1       Limestone       4.9         9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	4.2
9-Sep-12       1       Limestone       17.3         9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	3.7
9-Sep-12       1       Limestone       8.4         9-Sep-12       1       Limestone       15.2         9-Sep-12       1       Limestone       17.9	9-Sep-12	1	Limestone	4.9
9-Sep-12         1         Limestone         15.2           9-Sep-12         1         Limestone         17.9	9-Sep-12	1	Limestone	17.3
9-Sep-12 1 Limestone 17.9	9-Sep-12	1	Limestone	8.4
	9-Sep-12	1	Limestone	15.2
9-Sep-12 2 Limestone 3.6	9-Sep-12	1	Limestone	17.9
<u> </u>	9-Sep-12	2	Limestone	3.6

9-Sep-12         2         Limestone         8.9           9-Sep-12         2         Limestone         6.8           9-Sep-12         2         Limestone         16.8           9-Sep-12         2         Limestone         5.9           9-Sep-12         2         Limestone         6.6           9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         15.4				
9-Sep-12         2         Limestone         16.8           9-Sep-12         2         Limestone         5.9           9-Sep-12         2         Limestone         1.8           9-Sep-12         2         Limestone         6.6           9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         24.2           9-Sep-12         4         Limestone         15.4	9-Sep-12	2	Limestone	10.1
9-Sep-12         2         Limestone         5.9           9-Sep-12         2         Limestone         5.9           9-Sep-12         2         Limestone         6.6           9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5	9-Sep-12	2	Limestone	8.9
9-Sep-12         2         Limestone         5.9           9-Sep-12         2         Limestone         1.8           9-Sep-12         2         Limestone         6.6           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5	9-Sep-12	2	Limestone	6.8
9-Sep-12         2         Limestone         6.6           9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5	9-Sep-12	2	Limestone	16.8
9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5	9-Sep-12	2	Limestone	5.9
9-Sep-12         2         Limestone         8.7           9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.5	9-Sep-12	2	Limestone	1.8
9-Sep-12         2         Limestone         3.9           9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.5	9-Sep-12	2	Limestone	6.6
9-Sep-12         3         Limestone         20.6           9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         23.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.5	9-Sep-12	2	Limestone	8.7
9-Sep-12         3         Limestone         22.6           9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.5           9-Sep-12         4         Limestone         15.5	9-Sep-12	2	Limestone	3.9
9-Sep-12         3         Limestone         25.7           9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         27.6           9-Sep-12         4         Limestone         16.7	9-Sep-12	3	Limestone	20.6
9-Sep-12         3         Limestone         20.1           9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         16.7	9-Sep-12	3	Limestone	22.6
9-Sep-12         3         Limestone         10.2           9-Sep-12         3         Limestone         15.5           9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         5         Limestone         16.7	9-Sep-12	3	Limestone	25.7
9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         3         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         19.4           9-Sep-12         4         Limestone         27.6           9-Sep-12         4         Limestone         15.5           9-Sep-12         4         Limestone         15.5           9-Sep-12         5         Limestone         16.7           9-Sep-12         5         Limestone         24.2           9-Sep-12         5         Limestone         21.6	9-Sep-12	3	Limestone	20.1
9-Sep-12         3         Limestone         8.7           9-Sep-12         3         Limestone         15.0           9-Sep-12         3         Limestone         6.8           9-Sep-12         4         Limestone         23.8           9-Sep-12         4         Limestone         20.8           9-Sep-12         4         Limestone         22.0           9-Sep-12         4         Limestone         15.4           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         17.5           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         15.0           9-Sep-12         4         Limestone         27.6           9-Sep-12         4         Limestone         27.6           9-Sep-12         4         Limestone         15.5           9-Sep-12         4         Limestone         16.7           9-Sep-12         5         Limestone         24.2           9-Sep-12         5         Limestone         24.2           9-Sep-12         5         Limestone         7.8	9-Sep-12	3	Limestone	10.2
9-Sep-12       3       Limestone       15.0         9-Sep-12       3       Limestone       6.8         9-Sep-12       4       Limestone       23.8         9-Sep-12       4       Limestone       20.8         9-Sep-12       4       Limestone       22.0         9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       13.1         9-Sep-12       <	9-Sep-12	3	Limestone	15.5
9-Sep-12       3       Limestone       6.8         9-Sep-12       3       Limestone       23.8         9-Sep-12       4       Limestone       20.8         9-Sep-12       4       Limestone       22.0         9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       13.1         9-Sep-12       <	9-Sep-12	3	Limestone	8.7
9-Sep-12       3       Limestone       23.8         9-Sep-12       4       Limestone       20.8         9-Sep-12       4       Limestone       22.0         9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       16.3         9-Sep-12       5       Limestone       16.3         8-Sep-12       <	9-Sep-12	3	Limestone	15.0
9-Sep-12       4       Limestone       20.8         9-Sep-12       4       Limestone       22.0         9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       16.3         8-Sep-12       5       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12 <t< td=""><td>9-Sep-12</td><td>3</td><td>Limestone</td><td>6.8</td></t<>	9-Sep-12	3	Limestone	6.8
9-Sep-12       4       Limestone       22.0         9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       16.3         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31	9-Sep-12	3	Limestone	23.8
9-Sep-12       4       Limestone       15.4         9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	20.8
9-Sep-12       4       Limestone       14.4         9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	22.0
9-Sep-12       4       Limestone       17.5         9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	15.4
9-Sep-12       4       Limestone       15.0         9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	14.4
9-Sep-12       4       Limestone       19.4         9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	17.5
9-Sep-12       4       Limestone       27.6         9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	15.0
9-Sep-12       4       Limestone       15.5         9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	19.4
9-Sep-12       4       Limestone       16.7         9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	27.6
9-Sep-12       5       Limestone       5.8         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	15.5
9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	4	Limestone	16.7
9-Sep-12       5       Limestone       21.6         9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	5.8
9-Sep-12       5       Limestone       6.6         9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	24.2
9-Sep-12       5       Limestone       21.2         9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	21.6
9-Sep-12       5       Limestone       7.8         9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	6.6
9-Sep-12       5       Limestone       13.1         9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	21.2
9-Sep-12       5       Limestone       18.6         9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	7.8
9-Sep-12       5       Limestone       24.2         9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	13.1
9-Sep-12       5       Limestone       16.3         8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	18.6
8-Sep-12       6       Limestone       10.77         8-Sep-12       6       Limestone       7.31         8-Sep-12       6       Limestone       16.9	9-Sep-12	5	Limestone	24.2
8-Sep-12         6         Limestone         7.31           8-Sep-12         6         Limestone         16.9	9-Sep-12	5	Limestone	16.3
8-Sep-12 6 Limestone 16.9	8-Sep-12	6	Limestone	10.77
<u> </u>	8-Sep-12	6	Limestone	7.31
8-Sep-12 6 Limestone 18.43	8-Sep-12	6	Limestone	16.9
	8-Sep-12	6	Limestone	18.43

8-Sep-12	6	Limestone	15.94
8-Sep-12	6	Limestone	12.43
8-Sep-12	6	Limestone	12.82
8-Sep-12	6	Limestone	13.51
8-Sep-12	6	Limestone	10.84
8-Sep-12	6	Limestone	22.3
8-Sep-12	7	Limestone	24.7
8-Sep-12	7	Limestone	5.8
8-Sep-12	7	Limestone	6.2
8-Sep-12	7	Limestone	20.4
8-Sep-12	7	Limestone	8.4
8-Sep-12	7	Limestone	10.5
8-Sep-12	7	Limestone	23.6
8-Sep-12	7	Limestone	7.8
8-Sep-12	7	Limestone	5.7
8-Sep-12	7	Limestone	11.2
9-Sep-12	8	Limestone	25.5
9-Sep-12	8	Limestone	29.7
9-Sep-12	8	Limestone	18.0
9-Sep-12	8	Limestone	10.7
9-Sep-12	8	Limestone	15.9
9-Sep-12	8	Limestone	6.0
9-Sep-12	8	Limestone	9.8
9-Sep-12	8	Limestone	3.9
9-Sep-12	8	Limestone	3.1
9-Sep-12	8	Limestone	5.6
9-Sep-12	9	Limestone	27.4
9-Sep-12	9	Limestone	7.2
9-Sep-12	9	Limestone	6.3
9-Sep-12	9	Limestone	4.9
9-Sep-12	9	Limestone	9.3
9-Sep-12	9	Limestone	19.5
9-Sep-12	9	Limestone	18.9
9-Sep-12	9	Limestone	17.0
9-Sep-12	9	Limestone	5.5
9-Sep-12	9	Limestone	19.1
9-Sep-12	10	Limestone	6.9
9-Sep-12	10	Limestone	7.7
9-Sep-12	10	Limestone	5.4
9-Sep-12	10	Limestone	6.6
9-Sep-12	10	Limestone	7.5
9-Sep-12	10	Limestone	7.1
9-Sep-12	10	Limestone	10.1

9-Sep-12         10         Limestone         27.5           9-Sep-12         10         Limestone         5.1           9-Sep-12         1         Porcelain         6.1           9-Sep-12         1         Porcelain         10.1           9-Sep-12         1         Porcelain         9.0           9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         3.9           9-Sep-12         1         Porcelain         3.9           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         3.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.4           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-S				
9-Sep-12         10         Limestone         5.1           9-Sep-12         1         Porcelain         6.1           9-Sep-12         1         Porcelain         10.1           9-Sep-12         1         Porcelain         9.0           9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         30.9           9-Sep-12         2         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8 <td< td=""><td>9-Sep-12</td><td>10</td><td>Limestone</td><td>24.5</td></td<>	9-Sep-12	10	Limestone	24.5
9-Sep-12         1         Porcelain         6.1           9-Sep-12         1         Porcelain         10.1           9-Sep-12         1         Porcelain         9.0           9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         10.7           9-Sep-12         2         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.7           9	9-Sep-12	10	Limestone	27.5
9-Sep-12 1 Porcelain 9.0 9-Sep-12 1 Porcelain 9.0 9-Sep-12 1 Porcelain 9.0 9-Sep-12 1 Porcelain 6.7 9-Sep-12 1 Porcelain 8.8 9-Sep-12 1 Porcelain 7.5 9-Sep-12 1 Porcelain 39.9 9-Sep-12 1 Porcelain 39.9 9-Sep-12 1 Porcelain 10.7 9-Sep-12 1 Porcelain 6.5 9-Sep-12 1 Porcelain 33.2 9-Sep-12 2 Porcelain 33.2 9-Sep-12 2 Porcelain 9.7 9-Sep-12 2 Porcelain 9.7 9-Sep-12 2 Porcelain 34.4 9-Sep-12 2 Porcelain 34.4 9-Sep-12 2 Porcelain 9.6 9-Sep-12 2 Porcelain 9.6 9-Sep-12 3 Porcelain 15.6 9-Sep-12 9 Porcelain 15.6 9-Sep-12 9 Porcelain 15.6 9-Sep-12 9 Porcelain 3.0 9-Sep-12 9 Porcelain 3.0 9-Sep-12 1 Porcelain 3.0 9-Sep-13 1 Porcelain 3.0 9-Sep-14 1 Porcelain 3.0 9-Sep-15 1 Porcelain 15.6 9-Sep-16 1 Porcelain 15.6 9-Sep-17 1 Porcelain 15.6 9-Sep-18 1 Porcelain 15.6 9-Sep-19 1 Porcelain 15.7 9-Sep-19 1 Porcelain 15.5	9-Sep-12	10	Limestone	5.1
9-Sep-12         1         Porcelain         9.0           9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         8.8           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8           9-Sep-12         3         Porcelain         4.7           9-Se	9-Sep-12	1	Porcelain	6.1
9-Sep-12         1         Porcelain         3.3           9-Sep-12         1         Porcelain         6.7           9-Sep-12         1         Porcelain         8.8           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.7           9-Sep-12         3         Porcelain         4.7           9-S	9-Sep-12	1	Porcelain	10.1
9-Sep-12         1         Porcelain         8.8           9-Sep-12         1         Porcelain         8.8           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.5           9-Sep-12         2         Porcelain         9.5           9-Sep-12         2         Porcelain         9.6           9-Sep-12         3         Porcelain         9.7           9-Sep-12         3         Porcelain         9.7           9-Sep	9-Sep-12	1	Porcelain	9.0
9-Sep-12         1         Porcelain         8.8           9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         9.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         3         Porcelain         9.7           9-Sep-12         3         Porcelain         9.8           9-Sep-12         3         Porcelain         9.7           9-Sep	9-Sep-12	1	Porcelain	3.3
9-Sep-12         1         Porcelain         7.5           9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.9           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         5.7           9-S	9-Sep-12	1	Porcelain	6.7
9-Sep-12         1         Porcelain         39.9           9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.9           9-Sep-12         3         Porcelain         3.8           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         15.5           9-	9-Sep-12	1	Porcelain	8.8
9-Sep-12         1         Porcelain         10.7           9-Sep-12         1         Porcelain         6.5           9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         15.6           9-Sep-12         2         Porcelain         7.3           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         28.0           9-Sep-12         3         Porcelain         28.0           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         7.4           9	9-Sep-12	1	Porcelain	7.5
9-Sep-12         1         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.9           9-Sep-12         3         Porcelain         3.8           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         1.4           9-Sep-12         3         Porcelain         7.4           9-Sep-12         4         Porcelain         20.4           9-Se	9-Sep-12	1	Porcelain	39.9
9-Sep-12         2         Porcelain         33.2           9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.9           9-Sep-12         3         Porcelain         3.8           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         1.4           9-Sep-12         3         Porcelain         7.4           9-Sep-12         4         Porcelain         20.4           9-Sep-12         4         Porcelain         20.4           9-S	9-Sep-12	1	Porcelain	10.7
9-Sep-12         2         Porcelain         9.7           9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         28.0           9-Sep-12         3         Porcelain         28.0           9-Sep-12         3         Porcelain         3.8           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         1.4           9-Sep-12         3         Porcelain         7.4           9-Sep-12         4         Porcelain         20.4           9-Sep-12         4         Porcelain         27.3           9-	9-Sep-12	1	Porcelain	6.5
9-Sep-12         2         Porcelain         8.5           9-Sep-12         2         Porcelain         34.4           9-Sep-12         2         Porcelain         9.6           9-Sep-12         2         Porcelain         6.4           9-Sep-12         2         Porcelain         4.8           9-Sep-12         2         Porcelain         8.0           9-Sep-12         2         Porcelain         7.3           9-Sep-12         2         Porcelain         7.3           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         4.7           9-Sep-12         3         Porcelain         28.0           9-Sep-12         3         Porcelain         3.8           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         5.7           9-Sep-12         3         Porcelain         7.4           9-Sep-12         4         Porcelain         7.4           9-Sep-12         4         Porcelain         20.4           9-Sep-12         4         Porcelain         30.0           9-S	9-Sep-12	2	Porcelain	33.2
9-Sep-12       2       Porcelain       34.4         9-Sep-12       2       Porcelain       9.6         9-Sep-12       2       Porcelain       6.4         9-Sep-12       2       Porcelain       4.8         9-Sep-12       2       Porcelain       15.6         9-Sep-12       2       Porcelain       8.0         9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       4       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4 <td>9-Sep-12</td> <td>2</td> <td>Porcelain</td> <td>9.7</td>	9-Sep-12	2	Porcelain	9.7
9-Sep-12       2       Porcelain       9.6         9-Sep-12       2       Porcelain       6.4         9-Sep-12       2       Porcelain       4.8         9-Sep-12       2       Porcelain       15.6         9-Sep-12       2       Porcelain       8.0         9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4	9-Sep-12	2	Porcelain	8.5
9-Sep-12       2       Porcelain       6.4         9-Sep-12       2       Porcelain       4.8         9-Sep-12       2       Porcelain       15.6         9-Sep-12       2       Porcelain       8.0         9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4 <td>9-Sep-12</td> <td>2</td> <td>Porcelain</td> <td>34.4</td>	9-Sep-12	2	Porcelain	34.4
9-Sep-12       2       Porcelain       4.8         9-Sep-12       2       Porcelain       15.6         9-Sep-12       2       Porcelain       8.0         9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       4.9         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4 <td>9-Sep-12</td> <td>2</td> <td>Porcelain</td> <td>9.6</td>	9-Sep-12	2	Porcelain	9.6
9-Sep-12       2       Porcelain       15.6         9-Sep-12       2       Porcelain       8.0         9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4 </td <td>9-Sep-12</td> <td>2</td> <td>Porcelain</td> <td>6.4</td>	9-Sep-12	2	Porcelain	6.4
9-Sep-12       2 Porcelain       8.0         9-Sep-12       2 Porcelain       7.3         9-Sep-12       3 Porcelain       4.7         9-Sep-12       3 Porcelain       28.0         9-Sep-12       3 Porcelain       3.8         9-Sep-12       3 Porcelain       5.7         9-Sep-12       3 Porcelain       5.7         9-Sep-12       3 Porcelain       1.4         9-Sep-12       3 Porcelain       15.5         9-Sep-12       3 Porcelain       7.4         9-Sep-12       4 Porcelain       20.4         9-Sep-12       4 Porcelain       10.1         9-Sep-12       4 Porcelain       30.0         9-Sep-12       4 Porcelain       26.6         9-Sep-12       4 Porcelain       25.0         9-Sep-12       4 Porcelain       12.6         9-Sep-12       4 Porcelain       12.5         9-Sep-12       4 Porcelain       12.5         9-Sep-12       4 Porcelain       12.5         9-Sep-12       5 Porcelain       12.5         9-Sep-12       7 Porcelain       12.5         9-Sep-12       9-Sep-12       9-Sep-12         9-Sep-12       9-Sep-12	9-Sep-12	2	Porcelain	4.8
9-Sep-12       2       Porcelain       7.3         9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       4.9         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       25.0         9-Sep-12       5 </td <td>9-Sep-12</td> <td>2</td> <td>Porcelain</td> <td>15.6</td>	9-Sep-12	2	Porcelain	15.6
9-Sep-12       3       Porcelain       4.7         9-Sep-12       3       Porcelain       4.9         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       4       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       5       Porcelain       21.1         9-Sep-12       5       Porcelain       21.1         9-Sep-12       7<	9-Sep-12	2	Porcelain	8.0
9-Sep-12       3       Porcelain       4.9         9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       4       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       5       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	2	Porcelain	7.3
9-Sep-12       3       Porcelain       28.0         9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       5       Porcelain       21.1         9-Sep-12       5       Porcelain       21.1         9-Sep-12       5       Porcelain       21.1	9-Sep-12	3	Porcelain	4.7
9-Sep-12       3       Porcelain       3.8         9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       12.5         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	4.9
9-Sep-12       3       Porcelain       5.7         9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	28.0
9-Sep-12       3       Porcelain       1.4         9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	3.8
9-Sep-12       3       Porcelain       15.5         9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	5.7
9-Sep-12       3       Porcelain       7.4         9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	1.4
9-Sep-12       4       Porcelain       20.4         9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	15.5
9-Sep-12       4       Porcelain       10.1         9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	3	Porcelain	7.4
9-Sep-12       4       Porcelain       27.3         9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	20.4
9-Sep-12       4       Porcelain       30.0         9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	10.1
9-Sep-12       4       Porcelain       26.6         9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	27.3
9-Sep-12       4       Porcelain       13.3         9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	30.0
9-Sep-12       4       Porcelain       25.0         9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	26.6
9-Sep-12       4       Porcelain       12.6         9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	13.3
9-Sep-12       4       Porcelain       12.5         9-Sep-12       4       Porcelain       21.1         9-Sep-12       5       Porcelain       4.2	9-Sep-12	4	Porcelain	25.0
9-Sep-12         4         Porcelain         21.1           9-Sep-12         5         Porcelain         4.2	9-Sep-12	4	Porcelain	12.6
9-Sep-12 5 Porcelain 4.2	9-Sep-12	4	Porcelain	12.5
	9-Sep-12	4	Porcelain	21.1
9-Sep-12 5 Porcelain 14.5	9-Sep-12	5	Porcelain	4.2
	9-Sep-12	5	Porcelain	14.5

9-Sep-12         5         Porcelain         7.           9-Sep-12         5         Porcelain         2.           9-Sep-12         5         Porcelain         5.           9-Sep-12         5         Porcelain         8.           9-Sep-12         5         Porcelain         8.           9-Sep-12         5         Porcelain         8.           9-Sep-12         6         Porcelain         5.           8-Sep-12         6         Porcelain         3.           8-Sep-12         6         Porcelain         6.           8-Sep-12         6         Porcelain         10.           8-Sep-12         6         Porcelain         23.           8-Sep-12         6         Porcelain         2.           8-Sep-12         6         Porcelain         2.           8-Sep-12         7         Porcelain         2.           8-Sep-12				
9-Sep-12 5 Porcelain 2. 9-Sep-12 5 Porcelain 5. 9-Sep-12 5 Porcelain 13. 9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 8. 9-Sep-12 6 Porcelain 5. 8-Sep-12 6 Porcelain 3. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 23. 8-Sep-12 6 Porcelain 23. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 9. 8-Sep-12 7 Porcelain 9. 8-Sep-12 8 Porcelain 9. 8-Sep-12 7 Porcelain 9. 8-Sep-12 8 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9.	9-Sep-12	5	Porcelain	32.0
9-Sep-12 5 Porcelain 5. 9-Sep-12 5 Porcelain 13. 9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 8. 9-Sep-12 6 Porcelain 15. 8-Sep-12 6 Porcelain 3. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 9. 8-Sep-12 7 Porcelain 9. 8-Sep-12 8 Porcelain 9. 8-Sep-12 8 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9. 9-Sep-12 9 Porcelain 9.	9-Sep-12	5	Porcelain	7.6
9-Sep-12	9-Sep-12	5	Porcelain	2.9
9-Sep-12         5         Porcelain         8.           9-Sep-12         5         Porcelain         8.           9-Sep-12         5         Porcelain         15.           8-Sep-12         6         Porcelain         5.           8-Sep-12         6         Porcelain         6.           8-Sep-12         6         Porcelain         10.           8-Sep-12         6         Porcelain         23.           8-Sep-12         6         Porcelain         24.           8-Sep-12         7         Porcelain         24.           8-Sep-12         7         Porcelain         24.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         11.           8-Sep-12         7         Porcelain         4.           8-Sep-12 <td>9-Sep-12</td> <td>5</td> <td>Porcelain</td> <td>5.5</td>	9-Sep-12	5	Porcelain	5.5
9-Sep-12 5 Porcelain 8. 9-Sep-12 5 Porcelain 15. 8-Sep-12 6 Porcelain 5. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 10. 8-Sep-12 6 Porcelain 10. 8-Sep-12 6 Porcelain 13. 8-Sep-12 6 Porcelain 13. 8-Sep-12 6 Porcelain 13. 8-Sep-12 6 Porcelain 13. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 9. 8-Sep-12 7 Porcelain 10. 8-Sep-12 8 Porcelain 10. 9-Sep-12 9 Porcelain 10.	9-Sep-12	5	Porcelain	13.4
9-Sep-12 5 Porcelain 15. 8-Sep-12 6 Porcelain 5. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 6. 8-Sep-12 6 Porcelain 10. 8-Sep-12 6 Porcelain 34. 8-Sep-12 6 Porcelain 34. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 9. 8-Sep-12 6 Porcelain 9. 8-Sep-12 7 Porcelain 2. 8-Sep-12 7 Porcelain 2. 8-Sep-12 7 Porcelain 10. 8-Sep-12 8 Porcelain 10. 8-Sep-12 8 Porcelain 10. 9-Sep-12 9 Porcelain 10.	9-Sep-12	5	Porcelain	8.9
8-Sep-12       6       Porcelain       5.         8-Sep-12       6       Porcelain       3.         8-Sep-12       6       Porcelain       6.         8-Sep-12       6       Porcelain       10.         8-Sep-12       6       Porcelain       34.         8-Sep-12       6       Porcelain       23.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       4.         8-Sep-12       8       Porcelain	9-Sep-12	5	Porcelain	8.2
8-Sep-12       6       Porcelain       3.         8-Sep-12       6       Porcelain       6.         8-Sep-12       6       Porcelain       10.         8-Sep-12       6       Porcelain       34.         8-Sep-12       6       Porcelain       23.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       2.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain<	9-Sep-12	5	Porcelain	15.1
8-Sep-12         6         Porcelain         6.           8-Sep-12         6         Porcelain         10.           8-Sep-12         6         Porcelain         34.           8-Sep-12         6         Porcelain         23.           8-Sep-12         6         Porcelain         9.           8-Sep-12         6         Porcelain         2.           8-Sep-12         6         Porcelain         2.           8-Sep-12         7         Porcelain         24.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         11.           8-Sep-12         7         Porcelain         13.           8-Sep-12         7         Porcelain         13.           8-Sep-12         7         Porcelain         4.           8-Sep-12         7         Porcelain         20.           8-Sep-12         7         Porcelain         5.           8-Sep-12         7         Porcelain         7.           9-Sep-12         8         Porcelain         4.           9-Sep-12	8-Sep-12	6	Porcelain	5.2
8-Sep-12         6         Porcelain         10.           8-Sep-12         6         Porcelain         34.           8-Sep-12         6         Porcelain         23.           8-Sep-12         6         Porcelain         9.           8-Sep-12         6         Porcelain         9.           8-Sep-12         6         Porcelain         2.           8-Sep-12         7         Porcelain         2.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         10.           8-Sep-12         7         Porcelain         11.           8-Sep-12         7         Porcelain         13.           8-Sep-12         7         Porcelain         6.           8-Sep-12         7         Porcelain         6.           8-Sep-12         7         Porcelain         4.           8-Sep-12         7         Porcelain         5.           8-Sep-12         7         Porcelain         7.           9-Sep-12         8         Porcelain         7.           9-Sep-12         8         Porcelain         4.           9-Sep-12	8-Sep-12	6	Porcelain	3.4
8-Sep-12       6       Porcelain       34.         8-Sep-12       6       Porcelain       23.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       7.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain	8-Sep-12	6	Porcelain	6.5
8-Sep-12       6       Porcelain       23.         8-Sep-12       6       Porcelain       13.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain	8-Sep-12	6	Porcelain	10.8
8-Sep-12       6       Porcelain       13.         8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain	8-Sep-12	6	Porcelain	34.7
8-Sep-12       6       Porcelain       9.         8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       7.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain <td>8-Sep-12</td> <td>6</td> <td>Porcelain</td> <td>23.3</td>	8-Sep-12	6	Porcelain	23.3
8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       7.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain </td <td>8-Sep-12</td> <td>6</td> <td>Porcelain</td> <td>13.9</td>	8-Sep-12	6	Porcelain	13.9
8-Sep-12       6       Porcelain       2.         8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain </td <td>8-Sep-12</td> <td>6</td> <td>Porcelain</td> <td>9.1</td>	8-Sep-12	6	Porcelain	9.1
8-Sep-12       7       Porcelain       24.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       7.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       7.         9-Sep-12       9       Porcelain </td <td>8-Sep-12</td> <td>6</td> <td>Porcelain</td> <td>2.1</td>	8-Sep-12	6	Porcelain	2.1
8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       8.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         8-Sep-12       7       Porcelain       7.         8-Sep-12       7       Porcelain       7.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       3.         9-Sep-12       9       Porcelain       9.         9-Sep-12       9       Porcelain <td>8-Sep-12</td> <td>6</td> <td>Porcelain</td> <td>2.8</td>	8-Sep-12	6	Porcelain	2.8
8-Sep-12       7       Porcelain       8.         8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       39.         9-Sep-12       9       Porcelain       39.         9-Sep-12       9       Porcelain<	8-Sep-12	7	Porcelain	24.3
8-Sep-12       7       Porcelain       10.         8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       36.         9-Sep-12       9       Porcelain       9.         9-Sep-12       9       Porcelain       9.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain </td <td>8-Sep-12</td> <td>7</td> <td>Porcelain</td> <td>10.3</td>	8-Sep-12	7	Porcelain	10.3
8-Sep-12       7       Porcelain       11.         8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain	8-Sep-12	7	Porcelain	8.2
8-Sep-12       7       Porcelain       13.         8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain	8-Sep-12	7	Porcelain	10.4
8-Sep-12       7       Porcelain       6.         8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	11.6
8-Sep-12       7       Porcelain       4.         8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	13.1
8-Sep-12       7       Porcelain       20.         8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	6.8
8-Sep-12       7       Porcelain       5.         9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	4.8
9-Sep-12       8       Porcelain       7.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	20.0
9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       9       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	8-Sep-12	7	Porcelain	5.6
9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	7.6
9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	4.7
9-Sep-12       8       Porcelain       4.         9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	4.3
9-Sep-12       8       Porcelain       3.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	4.5
9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	4.1
9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	3.3
9-Sep-12       8       Porcelain       6.         9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	6.4
9-Sep-12       8       Porcelain       4.         9-Sep-12       9       Porcelain       35.         9-Sep-12       9       Porcelain       14.         9-Sep-12       9       Porcelain       10.         9-Sep-12       9       Porcelain       8.	9-Sep-12	8	Porcelain	6.3
9-Sep-12       9 Porcelain       35.         9-Sep-12       9 Porcelain       14.         9-Sep-12       9 Porcelain       10.         9-Sep-12       9 Porcelain       8.	9-Sep-12	8	Porcelain	6.1
9-Sep-12       9 Porcelain       14.         9-Sep-12       9 Porcelain       10.         9-Sep-12       9 Porcelain       8.	9-Sep-12	8	Porcelain	4.4
9-Sep-12         9 Porcelain         10.           9-Sep-12         9 Porcelain         8.	9-Sep-12	9	Porcelain	35.6
9-Sep-12 9 Porcelain 8.	9-Sep-12	9	Porcelain	14.5
<del> </del>	9-Sep-12	9	Porcelain	10.5
9-Sep-12 9 Porcelain 8.	9-Sep-12	9	Porcelain	8.3
	9-Sep-12	9	Porcelain	8.7

9-Sep-12         9         Porcelain         9.1           9-Sep-12         9         Porcelain         10.5           9-Sep-12         9         Porcelain         10.5           9-Sep-12         9         Porcelain         18.7           9-Sep-12         9         Porcelain         7.2           9-Sep-12         10         Porcelain         35.0           9-Sep-12         10         Porcelain         10.0           9-Sep-12         10         Porcelain         10.0           9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         4.6           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         21.0      <				
9-Sep-12 9 Porcelain 10.5 9-Sep-12 9 Porcelain 18.7 9-Sep-12 10 Porcelain 35.0 9-Sep-12 10 Porcelain 25.3 9-Sep-12 10 Porcelain 10.0 9-Sep-12 10 Porcelain 9.5 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 17.7 9-Sep-12 11 Porcelain 17.7 9-Sep-12 12 12 River rock 11.9 9-Sep-12 13 River rock 11.9 9-Sep-14 14.9 9-Sep-15 1 River rock 11.9 9-Sep-15 1 River rock 11.0 9-Sep-16 1 River rock 11.0 9-Sep-17 1 River rock 11.0 9-Sep-19 1 River rock 11.0 9-Sep	9-Sep-12	9	Porcelain	6.3
9-Sep-12 9 Porcelain 7.2 9-Sep-12 10 Porcelain 35.0 9-Sep-12 10 Porcelain 25.3 9-Sep-12 10 Porcelain 10.0 9-Sep-12 10 Porcelain 10.0 9-Sep-12 10 Porcelain 9.5 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 17.7 9-Sep-12 11 River rock 14.9 9-Sep-12 12 River rock 17.7 9-Sep-12 13 River rock 19.3 9-Sep-12 14 River rock 19.3 9-Sep-12 15 River rock 19.3 9-Sep-12 16 River rock 19.3 9-Sep-12 17 River rock 19.3 9-Sep-12 18 River rock 19.3 9-Sep-12 19 River rock 19.2 9-Sep-12 19 River ro	9-Sep-12	9	Porcelain	9.1
9-Sep-12         9         Porcelain         7.2           9-Sep-12         10         Porcelain         35.0           9-Sep-12         10         Porcelain         25.3           9-Sep-12         10         Porcelain         10.0           9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         5.0           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8	9-Sep-12	9	Porcelain	10.5
9-Sep-12 10 Porcelain 25.3 9-Sep-12 10 Porcelain 25.3 9-Sep-12 10 Porcelain 10.0 9-Sep-12 10 Porcelain 9.5 9-Sep-12 10 Porcelain 18.1 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 12.7 9-Sep-12 10 Porcelain 7.7 9-Sep-12 10 Porcelain 7.7 9-Sep-12 10 Porcelain 7.7 9-Sep-12 10 Porcelain 7.7 9-Sep-12 10 Porcelain 5.0 9-Sep-12 1 River rock 14.9 9-Sep-12 1 River rock 17.7 9-Sep-12 1 River rock 19.3 9-Sep-12 1 River rock 21.0 9-Sep-12 1 River rock 22.2 9-Sep-12 1 River rock 23.8 9-Sep-12 1 River rock 23.8 9-Sep-12 1 River rock 24.0 9-Sep-12 1 River rock 25.2 9-Sep-12 1 River rock 25.2 9-Sep-12 1 River rock 25.2 9-Sep-12 1 River rock 26.7 9-Sep-12 1 River rock 27.6 9-Sep-12 1 River rock 26.7 9-Sep-12 2 River rock 30.9 9-Sep-12 2 River rock 30.9 9-Sep-12 2 River rock 3.4 9-Sep-12 2 River rock 3.5 9-Sep-12 3 River rock 3.9	9-Sep-12	9	Porcelain	18.7
9-Sep-12         10         Porcelain         25.3           9-Sep-12         10         Porcelain         10.0           9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         19.3           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6 <td>9-Sep-12</td> <td>9</td> <td>Porcelain</td> <td>7.2</td>	9-Sep-12	9	Porcelain	7.2
9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         18.1           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         25.2           9-Sep-12         2         River rock         30.9 <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>35.0</td>	9-Sep-12	10	Porcelain	35.0
9-Sep-12         10         Porcelain         9.5           9-Sep-12         10         Porcelain         18.1           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         25.2           9-Sep-12         2         River rock         30.9           9-Sep-12         2         River rock         3.4 <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>25.3</td>	9-Sep-12	10	Porcelain	25.3
9-Sep-12         10         Porcelain         18.1           9-Sep-12         10         Porcelain         12.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         19.3           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6           9-Sep-12         1         River rock         30.9           9-Sep-12         2         River rock         3.4           9-Sep-12         2         River rock         26.7 </td <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>10.0</td>	9-Sep-12	10	Porcelain	10.0
9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         8.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         19.3           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6           9-Sep-12         1         River rock         30.9           9-Sep-12         1         River rock         30.9           9-Sep-12         2         River rock         4.0           9-Sep-12         2         River rock         3.4           9-Sep-12         2         River rock         26.7 <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>9.5</td>	9-Sep-12	10	Porcelain	9.5
9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6           9-Sep-12         1         River rock         30.9           9-Sep-12         2         River rock         30.9 </td <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>18.1</td>	9-Sep-12	10	Porcelain	18.1
9-Sep-12         10         Porcelain         7.7           9-Sep-12         10         Porcelain         4.6           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         19.3           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6           9-Sep-12         1         River rock         30.9           9-Sep-12         2         River rock         9.9           9-Sep-12         2         River rock         9.9 </td <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>12.7</td>	9-Sep-12	10	Porcelain	12.7
9-Sep-12         10         Porcelain         4.6           9-Sep-12         10         Porcelain         5.0           9-Sep-12         1         River rock         14.9           9-Sep-12         1         River rock         17.7           9-Sep-12         1         River rock         19.3           9-Sep-12         1         River rock         21.0           9-Sep-12         1         River rock         22.2           9-Sep-12         1         River rock         23.8           9-Sep-12         1         River rock         24.0           9-Sep-12         1         River rock         25.2           9-Sep-12         1         River rock         27.6           9-Sep-12         1         River rock         27.6           9-Sep-12         2         River rock         30.9           9-Sep-12         2         River rock         30.9           9-Sep-12         2         River rock         30.9           9-Sep-12         2         River rock         3.4           9-Sep-12         2         River rock         26.7           9-Sep-12         2         River rock         9.9 </td <td>9-Sep-12</td> <td>10</td> <td>Porcelain</td> <td>8.7</td>	9-Sep-12	10	Porcelain	8.7
9-Sep-12       10       Porcelain       5.0         9-Sep-12       1       River rock       14.9         9-Sep-12       1       River rock       17.7         9-Sep-12       1       River rock       19.3         9-Sep-12       1       River rock       21.0         9-Sep-12       1       River rock       22.2         9-Sep-12       1       River rock       23.8         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       2       River rock       30.9         9-Sep-12       2       River rock       30.9         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       20.9         9-Sep	9-Sep-12	10	Porcelain	7.7
9-Sep-12       1       River rock       17.7         9-Sep-12       1       River rock       17.7         9-Sep-12       1       River rock       19.3         9-Sep-12       1       River rock       21.0         9-Sep-12       1       River rock       22.2         9-Sep-12       1       River rock       23.8         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       27.6         9-Sep-12       2       River rock       30.9         9-Sep-12       2       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       20.7         9-Sep-12       2       River rock       20.9         9-Se	9-Sep-12	10	Porcelain	4.6
9-Sep-12	9-Sep-12	10	Porcelain	5.0
9-Sep-12 1 River rock 21.0 9-Sep-12 1 River rock 22.2 9-Sep-12 1 River rock 23.8 9-Sep-12 1 River rock 24.0 9-Sep-12 1 River rock 24.0 9-Sep-12 1 River rock 25.2 9-Sep-12 1 River rock 27.6 9-Sep-12 1 River rock 27.6 9-Sep-12 1 River rock 30.9 9-Sep-12 2 River rock 30.9 9-Sep-12 2 River rock 3.4 9-Sep-12 2 River rock 3.4 9-Sep-12 2 River rock 3.4 9-Sep-12 2 River rock 3.5 9-Sep-12 3 River rock 3.7	9-Sep-12	1	River rock	14.9
9-Sep-12       1       River rock       21.0         9-Sep-12       1       River rock       22.2         9-Sep-12       1       River rock       23.8         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-1	9-Sep-12	1	River rock	17.7
9-Sep-12       1       River rock       22.2         9-Sep-12       1       River rock       23.8         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       20.7         9-Sep-12       2       River rock       20.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-	9-Sep-12	1	River rock	19.3
9-Sep-12       1       River rock       23.8         9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       20.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-1	9-Sep-12	1	River rock	21.0
9-Sep-12       1       River rock       24.0         9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12 </td <td>9-Sep-12</td> <td>1</td> <td>River rock</td> <td>22.2</td>	9-Sep-12	1	River rock	22.2
9-Sep-12       1       River rock       25.2         9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9         9-Sep-12 <td>9-Sep-12</td> <td>1</td> <td>River rock</td> <td>23.8</td>	9-Sep-12	1	River rock	23.8
9-Sep-12       1       River rock       27.6         9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12	9-Sep-12	1	River rock	24.0
9-Sep-12       1       River rock       30.9         9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9	9-Sep-12	1	River rock	25.2
9-Sep-12       2       River rock       4.0         9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9	9-Sep-12	1	River rock	27.6
9-Sep-12       2       River rock       3.4         9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9	9-Sep-12	1	River rock	30.9
9-Sep-12       2       River rock       5.5         9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9	9-Sep-12	2	River rock	4.0
9-Sep-12       2       River rock       26.7         9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9	9-Sep-12	2	River rock	3.4
9-Sep-12       2       River rock       9.9         9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       6.9	9-Sep-12	2	River rock	5.5
9-Sep-12       2       River rock       19.2         9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	26.7
9-Sep-12       2       River rock       8.5         9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	9.9
9-Sep-12       2       River rock       15.7         9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	19.2
9-Sep-12       2       River rock       20.9         9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       15.5         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	8.5
9-Sep-12       2       River rock       5.9         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       15.5         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	15.7
9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       15.5         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	20.9
9-Sep-12       3       River rock       15.5         9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	2	River rock	5.9
9-Sep-12       3       River rock       20.7         9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	3	River rock	20.7
9-Sep-12       3       River rock       7.9         9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	3	River rock	15.5
9-Sep-12       3       River rock       6.2         9-Sep-12       3       River rock       6.9         9-Sep-12       3       River rock       16.7	9-Sep-12	3	River rock	20.7
9-Sep-12         3         River rock         6.9           9-Sep-12         3         River rock         16.7	9-Sep-12	3	River rock	7.9
9-Sep-12 3 River rock 16.7	9-Sep-12	3	River rock	6.2
<u> </u>	9-Sep-12	3	River rock	6.9
9-Sep-12 3 River rock 17.3	9-Sep-12	3	River rock	16.7
	9-Sep-12	3	River rock	17.3

0.043			
9-Sep-12	3	River rock	8.3
9-Sep-12	3	River rock	19.4
9-Sep-12	4	River rock	3.0
9-Sep-12	4	River rock	14.5
9-Sep-12	4	River rock	13.8
9-Sep-12	4	River rock	10.0
9-Sep-12	4	River rock	19.8
9-Sep-12	4	River rock	8.5
9-Sep-12	4	River rock	25.0
9-Sep-12	4	River rock	22.0
9-Sep-12	4	River rock	18.4
9-Sep-12	4	River rock	12.3
9-Sep-12	5	River rock	41.5
9-Sep-12	5	River rock	20.1
9-Sep-12	5	River rock	25.3
9-Sep-12	5	River rock	4.2
9-Sep-12	5	River rock	16.4
9-Sep-12	5	River rock	11.8
9-Sep-12	5	River rock	27.2
9-Sep-12	5	River rock	10.2
9-Sep-12	5	River rock	18.0
9-Sep-12	5	River rock	15.5
8-Sep-12	6	River rock	22.66
8-Sep-12	6	River rock	11.97
8-Sep-12	6	River rock	8.3
8-Sep-12	6	River rock	14.73
8-Sep-12	6	River rock	19.02
8-Sep-12	6	River rock	5.7
8-Sep-12	6	River rock	16.21
8-Sep-12	6	River rock	13.9
8-Sep-12	6	River rock	17.42
8-Sep-12	6	River rock	12.2
8-Sep-12	7	River rock	27.9
8-Sep-12	7	River rock	8.1
8-Sep-12	7	River rock	6.2
8-Sep-12	7	River rock	21.4
8-Sep-12	7	River rock	20.5
8-Sep-12	7	River rock	8.4
8-Sep-12	7	River rock	5.8
8-Sep-12	7	River rock	8.6
8-Sep-12	7	River rock	19.3
8-Sep-12	7	River rock	18.7
9-Sep-12	8	River rock	22.8

9-Sep-12         8         River rock         5.4           9-Sep-12         8         River rock         24.6           9-Sep-12         8         River rock         24.6           9-Sep-12         8         River rock         27.4           9-Sep-12         8         River rock         27.4           9-Sep-12         8         River rock         15.2           9-Sep-12         8         River rock         9.9           9-Sep-12         8         River rock         16.4           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         23.5     <				
9-Sep-12         8         River rock         24.6           9-Sep-12         8         River rock         26.5           9-Sep-12         8         River rock         27.4           9-Sep-12         8         River rock         15.2           9-Sep-12         8         River rock         9.9           9-Sep-12         8         River rock         16.4           9-Sep-12         8         River rock         20.2           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         22.6           9-Sep-12         9         River Rock         22.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7	9-Sep-12	8	River rock	5.8
9-Sep-12         8         River rock         27.4           9-Sep-12         8         River rock         27.4           9-Sep-12         8         River rock         15.2           9-Sep-12         8         River rock         9.9           9-Sep-12         8         River rock         16.4           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         23.5	9-Sep-12	8	River rock	5.4
9-Sep-12         8         River rock         15.2           9-Sep-12         8         River rock         15.2           9-Sep-12         8         River rock         9.9           9-Sep-12         8         River rock         16.4           9-Sep-12         9         River rock         20.2           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         23.5           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0	9-Sep-12	8	River rock	24.6
9-Sep-12         8         River rock         9.9           9-Sep-12         8         River rock         16.4           9-Sep-12         8         River rock         16.4           9-Sep-12         8         River rock         8.1           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0	9-Sep-12	8	River rock	26.5
9-Sep-12         8         River rock         16.4           9-Sep-12         8         River rock         16.4           9-Sep-12         8         River rock         8.1           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.7           9-Sep-12         9         River Rock         2.7           9-Sep-12         10         River rock         2.5           9-Sep-12         10         River rock         3.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         27.3 <td>9-Sep-12</td> <td>8</td> <td>River rock</td> <td>27.4</td>	9-Sep-12	8	River rock	27.4
9-Sep-12         8         River rock         8.1           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.7           9-Sep-12         9         River Rock         2.7           9-Sep-12         10         River rock         2.3           9-Sep-12         10         River rock         2.3           9-Sep-12         10         River rock         1.0           9-Sep-12         10         River rock         2.3           9-Sep-12         10         River rock         2.3           9-Sep-12         10         River rock         2.6	9-Sep-12	8	River rock	15.2
9-Sep-12         8         River rock         8.1           9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         18.5           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         22.7           9-Sep-12         10         River Rock         8.9           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         12.4           9-Sep-12         10         River rock         12.3           9-Sep-12         10         River rock         12.3           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0	9-Sep-12	8	River rock	9.9
9-Sep-12         9         River Rock         20.2           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         20.1           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         2.7           9-Sep-12         10         River Rock         2.7           9-Sep-12         10         River Rock         2.7           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         23.5	9-Sep-12	8	River rock	16.4
9-Sep-12 9 River Rock 20.1 9-Sep-12 9 River Rock 20.1 9-Sep-12 9 River Rock 15.4 9-Sep-12 9 River Rock 5.4 9-Sep-12 9 River Rock 5.4 9-Sep-12 9 River Rock 12.4 9-Sep-12 9 River Rock 12.4 9-Sep-12 9 River Rock 12.8 9-Sep-12 10 River Rock 11.0 9-Sep-12 10 River Rock 11.0 9-Sep-12 10 River Rock 11.0 9-Sep-12 10 River Rock 12.8 9-Sep-12 10 River Rock 12.8 9-Sep-12 10 River Rock 13.8 9-Sep-12 10 River Rock 14.8 9-Sep-12 10 River Rock 15.8 9-Sep-12 10 River Rock 15.8 9-Sep-12 10 River Rock 15.9 9-Sep-12 10 Riv	9-Sep-12	8	River rock	8.1
9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         15.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         12.8           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         8.9           9-Sep-12         9         River Rock         8.9           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         2.6           9-Sep-12         2         Shell         24.0	9-Sep-12	9	River Rock	20.2
9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         5.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         12.8           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         8.9           9-Sep-12         9         River Rock         8.9           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         22.6           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         24.0	9-Sep-12	9	River Rock	18.5
9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         12.4           9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         12.8           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         8.9           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         7.3           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         15.9           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         28.5           9-Sep-12         2         Shell         27.0	9-Sep-12	9	River Rock	20.1
9-Sep-12       9       River Rock       2.6         9-Sep-12       9       River Rock       12.8         9-Sep-12       9       River Rock       22.7         9-Sep-12       9       River Rock       8.9         9-Sep-12       10       River Rock       8.9         9-Sep-12       10       River rock       23.5         9-Sep-12       10       River rock       11.0         9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       27.0         9-Sep-12	9-Sep-12	9	River Rock	15.4
9-Sep-12         9         River Rock         2.6           9-Sep-12         9         River Rock         12.8           9-Sep-12         9         River Rock         22.7           9-Sep-12         9         River Rock         8.9           9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         7.3           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         22.6           9-Sep-12         10         River rock         22.6           9-Sep-12         10         River rock         22.6           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         27.0	9-Sep-12	9	River Rock	5.4
9-Sep-12       9       River Rock       22.7         9-Sep-12       9       River Rock       8.9         9-Sep-12       10       River rock       23.5         9-Sep-12       10       River rock       11.0         9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       7.0         9-Sep-12 <td< td=""><td>9-Sep-12</td><td>9</td><td>River Rock</td><td>12.4</td></td<>	9-Sep-12	9	River Rock	12.4
9-Sep-12       9       River Rock       22.7         9-Sep-12       9       River Rock       8.9         9-Sep-12       10       River rock       23.5         9-Sep-12       10       River rock       11.0         9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2 <td>9-Sep-12</td> <td>9</td> <td>River Rock</td> <td>2.6</td>	9-Sep-12	9	River Rock	2.6
9-Sep-12       9       River Rock       8.9         9-Sep-12       10       River rock       23.5         9-Sep-12       10       River rock       11.0         9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2	9-Sep-12	9	River Rock	12.8
9-Sep-12         10         River rock         23.5           9-Sep-12         10         River rock         11.0           9-Sep-12         10         River rock         7.3           9-Sep-12         10         River rock         19.8           9-Sep-12         10         River rock         10.8           9-Sep-12         10         River rock         27.3           9-Sep-12         10         River rock         27.0           9-Sep-12         10         River rock         22.6           9-Sep-12         10         River rock         22.6           9-Sep-12         10         River rock         22.6           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         24.0           9-Sep-12         2         Shell         28.5           9-Sep-12         2         Shell         30.4           9-Sep-12         2         Shell         22.1           9-Sep-12         2         Shell         11.0           9-Sep-12         2         Shell         12.5           9-Sep-12         2         Shell         12.5           9-	9-Sep-12	9	River Rock	22.7
9-Sep-12       10       River rock       11.0         9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell	9-Sep-12	9	River Rock	8.9
9-Sep-12       10       River rock       7.3         9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell	9-Sep-12	10	River rock	23.5
9-Sep-12       10       River rock       19.8         9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       1	9-Sep-12	10	River rock	11.0
9-Sep-12       10       River rock       10.8         9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	7.3
9-Sep-12       10       River rock       27.3         9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	19.8
9-Sep-12       10       River rock       27.0         9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	10.8
9-Sep-12       10       River rock       22.6         9-Sep-12       10       River rock       15.9         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	27.3
9-Sep-12       10       River rock       15.9         9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	27.0
9-Sep-12       10       River rock       9.0         9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	22.6
9-Sep-12       2       Shell       24.0         9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	15.9
9-Sep-12       2       Shell       28.5         9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	10	River rock	9.0
9-Sep-12       2       Shell       30.4         9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       3       Shell       4.9         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	24.0
9-Sep-12       2       Shell       27.0         9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	28.5
9-Sep-12       2       Shell       22.1         9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	30.4
9-Sep-12       2       Shell       11.0         9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	27.0
9-Sep-12       2       Shell       7.0         9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	22.1
9-Sep-12       2       Shell       24.9         9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	11.0
9-Sep-12       2       Shell       12.5         9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	7.0
9-Sep-12       2       Shell       4.9         9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	24.9
9-Sep-12       3       Shell       18.8         9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	12.5
9-Sep-12       3       Shell       16.5         9-Sep-12       3       Shell       22.5	9-Sep-12	2	Shell	4.9
9-Sep-12 3 Shell 22.5	9-Sep-12	3	Shell	18.8
·	9-Sep-12	3	Shell	16.5
9-Sep-12 3 Shell 38.5	9-Sep-12	3	Shell	22.5
	9-Sep-12	3	Shell	38.5

9-Sep-12         3         Shell         27.6           9-Sep-12         3         Shell         8.7           9-Sep-12         3         Shell         22.7           9-Sep-12         3         Shell         22.7           9-Sep-12         3         Shell         28.8           9-Sep-12         4         Shell         5.8           9-Sep-12         4         Shell         3.9           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         9.9           9-Sep-12         4         Shell         9.9           9-Sep-12         4         Shell         29.9           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         24.1           9-Sep-12         5         Shell         7.8<				
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9-Sep-12 3 Shell 28.8 9-Sep-12 4 Shell 5.8 9-Sep-12 4 Shell 3.9 9-Sep-12 4 Shell 5.5 9-Sep-12 4 Shell 9.4 9-Sep-12 4 Shell 9.9 9-Sep-12 5 Shell 9.3 9-Sep-12 6 Shell 9.3 9-Sep-12 6 Shell 9.3 8-Sep-12 7 Shell 9.0	9-Sep-12	3	Shell	8.7
9-Sep-12         3         Shell         28.8           9-Sep-12         4         Shell         3.9           9-Sep-12         4         Shell         3.9           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         12.2           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         7.8           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         24.1           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         3.1           9-Sep-12         5         Shell         3	9-Sep-12	3	Shell	22.7
9-Sep-12	9-Sep-12	3	Shell	15.7
9-Sep-12         4         Shell         3.9           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         12.2           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         24.4           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         <	9-Sep-12	3	Shell	28.8
9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         12.2           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         24.4           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         29.0           8-Sep-12         6         Shell <t< td=""><td>9-Sep-12</td><td>4</td><td>Shell</td><td>5.8</td></t<>	9-Sep-12	4	Shell	5.8
9-Sep-12         4         Shell         9.4           9-Sep-12         4         Shell         12.2           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         13.2           9-Sep-12         4         Shell         7.8           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         24.1           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         29.0           8-Sep-12         6         Shell	9-Sep-12	4	Shell	3.9
9-Sep-12         4         Shell         8.8           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         7.8           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         24.1           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         29.0           8-Sep-12         6         Shell <td< td=""><td>9-Sep-12</td><td>4</td><td>Shell</td><td>5.5</td></td<>	9-Sep-12	4	Shell	5.5
9-Sep-12         4         Shell         29.9           9-Sep-12         4         Shell         13.2           9-Sep-12         4         Shell         7.8           9-Sep-12         4         Shell         24.4           9-Sep-12         5         Shell         24.1           9-Sep-12         5         Shell         24.4           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         7.8           9-Sep-12         5         Shell         5.0           9-Sep-12         5         Shell         22.1           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         23.2           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         8.1           9-Sep-12         5         Shell         8.1           9-Sep-12         6         Shell         29.0           8-Sep-12         6         Shell         23.1           8-Sep-12         6         Shell         8	9-Sep-12	4	Shell	9.4
9-Sep-12       4       Shell       29.9         9-Sep-12       4       Shell       7.8         9-Sep-12       4       Shell       24.4         9-Sep-12       5       Shell       24.1         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-	9-Sep-12	4	Shell	12.2
9-Sep-12       4       Shell       7.8         9-Sep-12       4       Shell       24.4         9-Sep-12       5       Shell       24.1         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep	9-Sep-12	4	Shell	8.8
9-Sep-12       4       Shell       24.4         9-Sep-12       5       Shell       24.1         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       14.8         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       17.7         8-S	9-Sep-12	4	Shell	29.9
9-Sep-12       4       Shell       24.4         9-Sep-12       5       Shell       24.1         9-Sep-12       5       Shell       14.8         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-1	9-Sep-12	4	Shell	13.2
9-Sep-12       5       Shell       24.1         9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       39.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       8.9         8-	9-Sep-12	4	Shell	7.8
9-Sep-12       5       Shell       24.4         9-Sep-12       5       Shell       14.8         9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.8         8-S	9-Sep-12	4	Shell	24.4
9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       7       Shell       11.3         8-Se	9-Sep-12	5	Shell	24.1
9-Sep-12       5       Shell       7.8         9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       17.7         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       18.8         8-Se	9-Sep-12	5	Shell	24.4
9-Sep-12       5       Shell       5.0         9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       13.6         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep	9-Sep-12	5	Shell	14.8
9-Sep-12       5       Shell       22.1         9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       17.7         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-S	9-Sep-12	5	Shell	7.8
9-Sep-12       5       Shell       23.2         9-Sep-12       5       Shell       6.9         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-S	9-Sep-12	5	Shell	5.0
9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep	9-Sep-12	5	Shell	22.1
9-Sep-12       5       Shell       8.1         9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       13.6         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	9-Sep-12	5	Shell	23.2
9-Sep-12       5       Shell       10.1         8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	9-Sep-12	5	Shell	6.9
8-Sep-12       6       Shell       29.0         8-Sep-12       6       Shell       24.1         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-S	9-Sep-12	5	Shell	8.1
8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	9-Sep-12	5	Shell	10.1
8-Sep-12       6       Shell       7.3         8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	29.0
8-Sep-12       6       Shell       23.1         8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	24.1
8-Sep-12       6       Shell       8.0         8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	7.3
8-Sep-12       6       Shell       8.9         8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	23.1
8-Sep-12       6       Shell       5.4         8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	8.0
8-Sep-12       6       Shell       4.9         8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	8.9
8-Sep-12       6       Shell       17.7         8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	5.4
8-Sep-12       6       Shell       8.8         8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	4.9
8-Sep-12       7       Shell       13.6         8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	17.7
8-Sep-12       7       Shell       11.3         8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	6	Shell	8.8
8-Sep-12       7       Shell       9.0         8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	7	Shell	13.6
8-Sep-12       7       Shell       4.3         8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	7	Shell	11.3
8-Sep-12       7       Shell       18.8         8-Sep-12       7       Shell       33.5	8-Sep-12	7	Shell	9.0
8-Sep-12 7 Shell 33.5	8-Sep-12	7	Shell	4.3
·	8-Sep-12	7	Shell	18.8
8-Sep-12 7 Shell 7.4	8-Sep-12	7	Shell	33.5
	8-Sep-12	7	Shell	7.4

8-Sep-12	7	Shell	25.0
8-Sep-12	7	Shell	12.9
8-Sep-12	7	Shell	9.2
9-Sep-12	8	Shell	17.1
9-Sep-12	8	Shell	28.1
9-Sep-12	8	Shell	7.0
9-Sep-12	8	Shell	31.6
9-Sep-12	8	Shell	18.2
9-Sep-12	8	Shell	3.9
9-Sep-12	8	Shell	5.0
9-Sep-12	8	Shell	4.8
9-Sep-12	8	Shell	11.1
9-Sep-12	8	Shell	4.0
9-Sep-12	9	Shell	11.9
9-Sep-12	9	Shell	28.5
9-Sep-12	9	Shell	9.8
9-Sep-12	9	Shell	9.6
9-Sep-12	9	Shell	6.3
9-Sep-12	9	Shell	9.3
9-Sep-12	9	Shell	30.0
9-Sep-12	9	Shell	15.3
9-Sep-12	9	Shell	8.2
9-Sep-12	9	Shell	5.2
9-Sep-12	10	Shell	20.2
9-Sep-12	10	Shell	15.2
9-Sep-12	10	Shell	19.5
9-Sep-12	10	Shell	11.5
9-Sep-12	10	Shell	24.6
9-Sep-12	10	Shell	25.0
9-Sep-12	10	Shell	23.5
9-Sep-12	10	Shell	14.3
9-Sep-12	10	Shell	21.3
9-Sep-12	10	Shell	22.0

# Faunal Species Diversity

substrate	placement	site	S	N	d	J'	Brillouin	H'	1-Lambda'	N1	
				17.7310473	2.08672629	0.9447174	1.4798966	1.8383351	0.8735087	6.2860643	
concrete	lower	1	7	8	8	01	76	79	3	73	
		2	_	15.1039186	2.20998201	0.8651666	1.3289150	1.6835365	0.8332179	5.3845651	
concrete	lower	2	7	20.9650088	4 2.95774875	47 0.9429561	54 1.7486402	59 2.1712366	33 0.9119315	68 8.7691220	
concrete	lower	3	10	4	2.93774873	12	93	88	78	03	
001101010	10110.			23.8590886		0.9055599	1.7084196	2.2502318	0.9042124	9.4899355	
concrete	lower	4	12	8	3.46766301	02	94	21	04	51	
				25.1076006		0.9202719	1.7587853	2.2067157	0.9061413	9.0858272	
concrete	lower	5	11	5	3.10253511	48	62	53	07	38	
			_	40.5040000	2.68698621	0.9042763	1.5393275	1.9868983	0.8832008	7.2928783	
concrete	upper	6	9	19.6349939	4	87	97	02	04	42	
concrete	upper	7	10	20.2077572 7	2.99394568 9	0.8936429 15	1.5596008 53	2.0576888 53	0.8916495 43	7.8278575 62	
concrete	иррег		10	23.4960425	3.48450598	0.9375303	1.7212003	2.3296753	0.9293803	10.274605	
concrete	upper	8	12	4	1	33	23	59	73	44	
	- 1-1-			18.8875193	2.72247620	0.9407285	1.5783181	2.0669918	0.9037855	7.9010201	
concrete	upper	9	9	7	1	5	19	9	63	97	
				19.2849348	3.04123487	0.9362258	1.6361398	2.1557396	0.9152592	8.6342741	
concrete	upper	10	10	3	5	36	18	54	3	97	
limeston				14.2774820	2.25675592	0.8904174	1.2304054	1.7326723	0.8489046	5.6557479	
e	lower	1	7	2	7	57	01	67	89	67	
limeston		2	_	20.7276542	1.97923860	0.9369114	1.4073527	1.8231455	0.8655910	6.1913028	
e limoston	lower	2	7	7 6.47389069	3 2.14158297	75 0.8464840	75 0.7979152	47 1.3623635	85 0.8014255	87 3.9054131	
limeston e	lower	3	5	6	2.14138297	77	9	66	0.8014233	04	
limeston	lower	,		18.4883423		0.8759532	1.2337401	1.7045262	0.8243119	5.4987801	
е	lower	4	7	8	2.05680879	3	87	81	63	71	
limeston				26.6033676	2.74303452	0.8905789	1.7328110	2.0506339	0.8799798	7.7728268	
е	lower	5	10	5	7	93	31	14	3	52	
limeston				17.8406336	2.42930830	0.8943674	1.4413884	1.8597848	0.8587807	6.4223547	
e	upper	6	8	5	4	53	99	36	04	6	
limeston		7	6	13.0613386 8	1.94578527	0.8830004	1.0687285 46	1.5821244 4	0.8219919	4.8652808 38	
e limeston	upper	/	О	17.3969473	2.10062354	63 0.9068387	1.3285069	1.7646267	36 0.8595088	5.8393924	
e	upper	8	7	3	4	68	1.3283009	63	24	74	
limeston	иррег		,	12.6918265	2.36131392	0.8531084	1.1753665	1.6600723		5.2596912	
е	upper	9	7	8	3	19	74	3	0.8286033	64	
limeston					2.15351500	0.9063479	1.3758229	1.7636717	0.8513799	5.8338184	
е	upper	10	7	16.2183391	8	92	6	56	02	74	
				18.0829260	2.76341552	0.9100397	1.5409306	1.9995617	0.8919131	7.3858185	
porcelain	lower	1	9	2	1	7	92	49	87	47	
porcelain	lower	2	7	17.0691912 1	2.11470501 6	0.9397092 51	1.2915299 38	1.8285897 69	0.8758480 42	6.2251016 33	
porceiain	lowei		,	20.0852757	3.33334778	0.9211416	1.7093874	2.2088013	0.9172422	9.1047960	
porcelain	lower	3	11	1	4	95	67	16	0.9172422	76	
				17.2664576	2.10617527	0.9075192	1.3561541	1.7659508	0.8480612	5.8471295	
porcelain	lower	4	7	4	6	21	9	62	93	3	
				24.2263900	3.76477375	0.8985862	1.7894992	2.3048282	0.9113088	10.022456	
porcelain	lower	5	13	1	4	66	84	66	65	91	
			4.0	22.4928563	2.89091817	0.9175021	1.6782780	2.1126266	0.9010756	8.2699352	
porcelain	upper	6	10	8	5	11	38	3.0512245	25	87	
porcelain	upper	7	9	19.4694202	2.69465057 7	0.9336026 06	1.5569778 5	2.0513345 92	0.9015508 15	7.7782750 08	
porceidili	αρμει	<del>'</del>	, ,	17.8968039	2.77332683	0.9311294	1.5852922	2.0459004	0.9078938	7.7361211	
porcelain	upper	8	9	2	4	0.5511254	31	18	82	45	
	<u> </u>			12.0833624	2.80918095	0.9107137	1.2852388	1.8937760	0.8968974	6.6444112	
porcelain	upper	9 8 9		9	91	59	89	12	59		
		14.8222706		2.22541129	0.9156901	1.4021558	1.7818507	0.8580154	5.9408413		
porcelain	upper	10	7	8	8	51	73	58	61	11	
				20.1603626	2.33044480	0.9272115	1.4497396	1.9280821	0.8797225	6.8763098	
river rock	lower	1	8	1	2	2	24	52	26	71	

				16.4165989	2.50152507	0.8684770	1.3071596	1.8059473	0.8477311	6.0857340
river rock	lower	2	8	6	7	98	91	56	8	72
HVCHTOCK	lower	1	-	22.9434955	3.19179379	0.9054054	1.6813615	2.1710674	0.9038607	8.7676382
river rock	lower	3	11	8	2	61	95	75	32	83
TIVELLOCK	lower	1	11	20.9826384	2.62838394	0.9047006	1.5779965	1.9878304	32	7.2996795
river rock	lower	4	9	3	2.02838394	27	34	53	0.8754974	7.2996795
TIVELLOCK	lower	4	9	20.6644566	2.64164574	0.9100458	1.6633184	1.9995751	0.8754374	7.3859175
wisson mook	lower	5	9		3	73	1.0033184	6	68	97
river rock	lower	3	9	4				·		
			_	47 206554	2.10106313	0.9146408	1.4615518	1.7798088	0.8578273	5.9287232
river rock	upper	6	7	17.386554	4	35	06	83	49	33
		1 _		22.4851891		0.9051675	1.5968344	2.0842252	0.8924491	8.0383613
river rock	upper	7	10	5	2.8912348	25	26	49	32	37
_				21.2017375	2.94687459	0.9283704	1.6216294	2.1376520	0.9112114	8.4795046
river rock	upper	8	10	1	3	82	26	33	49	41
					1.52990459	0.9313559	1.0818738	1.4989595	0.8124405	4.4770283
river rock	upper	9	5	13.6609598	7	11	62	13	17	58
				12.8381951	1.95892163	0.8363738	1.0908579	1.4985808	0.7829577	4.4753333
river rock	upper	10	6	2	1	92	36	4	84	48
				15.3614973	2.19630243	0.9243346	1.4362109	1.7986722	0.8718184	6.0416202
shell	lower	2	7	6	1	79	15	32	84	68
				22.4879671	3.53359118	0.9222735	1.6967082	2.2917637	0.9228895	9.8923697
shell	lower	3	12	5	3	7	7	27	81	42
				20.0079957	2.67010934	0.8840824	1.4623053	1.9425275	0.8617238	6.9763620
shell	lower	4	9	4	5	05	45	89	65	77
				22.0198011	2.58737057	0.9242276	1.6467713	2.0307357	0.8859479	7.6196901
shell	lower	5	9	4	2	5	48	08	37	64
				15.2278936	3.30502171	0.9516167	1.6289023	2.1911785	0.9403939	8.9457499
shell	upper	6	10	3	8	56	65	57	33	82
				21.1731026		0.9091996	1.6303114	2.0935096	0.8970167	8.1133401
shell	upper	7	10	8	2.94817923	87	05	45	41	98
	F F -			23.7538963	3.47250000	0.9290552	1.8107836	2.3086155	0.9267152	10.060486
shell	upper	8	12	9	5	37	85	37	11	64
		1		16.8057879	2.83514682	0.9342466	1.6208488	2.0527498	0.9082281	7.7892907
shell	upper	9	9	8	6	98	76	05	68	18
	- 66	† -	Ť	13.1768515	-	0.9155820	1.2065561	1.6405028	0.8433547	5.1577624
shell	upper	10	6	6	1.93914075	75	98	53	8	59
5.1011	I ~bbcı	10			2.33311073		1	1 22		

## Overall Fauna Data

	1		1	ı	1	1	1	ı	ı	1	ı	ı	1	ı	1	ı	1		1	I	1	
						Gobios					Bairedi	Eucinost	Chasm	_	Caline	Langod	Archosar					
		Porcella	Palaemo	Menippe	Alpheus heteroch	oma robust	Gobioso	Anchoa	Gobiesox	Opsanus	ella chryso	omus argente	odes bosqui	Farfant apenae	ctes sapid	on rhombo	gus probato	Brown shrim	Post- larval	Portunid	Hypsoble nnius	Bagre
Substrate	Xanthidae	nidae	ntes	adina	aelis	um	ma bosc	mitchilli	strumosus	beta	ura	us	anus	us sp.	us	ides	cephalus	р	Penaid	ae	hentz	marinus
Bare-1								52														
Bare-10	2						2	3														
Bare-4	5																			1		
Bare-7							2													_		
Concrete							_															
-1	3	139	19		7		4	27		3												
Concrete																						
-10	8	108		8	6		7	9	2	1						1	3					
Concrete																						
-2	22	223	10	1	7		1			1												
Concrete																						
-3	9	187	13	3	11		6		3	3							2	2				
Concrete	40	740		_	_		_		_	_							_					
-4 Concrete	19	742	1	7	2		5	6	5	7						1	3			1		
-5	14	485	30	3	15	5	10		2	6							1	1				
Concrete	17	703	30	,	13		10			0								-				
-6	14	269	9	2	20		10		2	1						1						
Concrete																						
-7	35	199	17	7	3		8		1			1							1		1	
Concrete												_			_	_			_			
-8	17	47	48	3	20	4	4		1	4	1	2					2					
Concrete																						
-9	12	141		3	9		4	8		5							3				1	
Limesto	4.5	454			_		_			1						_						
ne-1	15	154	4		7		3			1						1						
Limesto ne-10	27	234		6	3		5	4	1													
Limesto	27	254						-	1													
ne-2	33	313	19		15		20			6						1						
Limesto			_	_			_												_			
ne-3	1	26		1						2					1							

													•	•	,			•				
Limesto																						
ne-4	48	852		1	15		4		3	3												
Limesto																		_				
ne-5	80	1186	22	2	30		28		1	4						1		2				
Limesto			_				_		_													
ne-6	26	383	5	4	2		9		2									1				
Limesto							_															
ne-7	34	111	4	3	2		1															
Limesto		7.0	_		25		0															
ne-8	59	76	5	1	35		8			1												
Limesto ne-9	20	128		1	4		2									1	1					
	20	120		1	4											1	1					
Porcelai n-1	8	138	8	1	17	1	10	1		3												
Porcelai	0	130	0		17		10	1		,												
n-10	11	180		6	3		4		2								2					
Porcelai		100			3				_								_					
n-2	15	106	13		17		5		1	4												
Porcelai																						
n-3	20	83	4		25	2			3	3	5				1		1	1				
Porcelai										_	_											
n-4	19	390		3	6		7		8	1												
Porcelai																						
n-5	9	533	8	2	19	1	11		5	4						1	1	1				1
Porcelai																						
n-6	24	206	20	1	24	1	9		2	5							2					
Porcelai																						
n-7	25	98	20	3	4		10		3							2					1	
Porcelai																						
n-8	31	15	26		16		6			2	2						1	1				
Porcelai																						
n-9	8	38		2	2		6			1		1					1					
River		25.0	_		4.0																	
rock-1	23	256	5	1	18		8	14		2												
River	30	370		_	4		3		,													
rock-10 River	20	279		3	1		3		1										-			
rock-2	23	324	1	1	5		8			3							1					
River	23	324	1	1	5		ŏ			3				-			1	-	-			
rock-3	21	291	9	1	27		7		4	7						1	1	1				
River		231	3	1	21		,		4					1		1	1		<del>                                     </del>			
rock-4	25	627	1	8	13		6	2	2	4												
River	23	027	1	0	13		J	2		4									<del>                                     </del>			
rock-5	22	658	8	3	7		7		2	2												2
River		330			,		,											1	<del>                                     </del>			
rock-6	32	211	10	2	6		10										1					
. OCK O			10				10			l	l		1	1	l .		_	1	1	1		

River																			
rock-7	27	402	8	6	15		15	1	1						1	3			
River																			
rock-8	41	28	7	2	45		19		4	1						1	2		
River																			
rock-9	33	143		4	4		6												
Shell-10	9	109		5	3		9			1									
Shell-2	24	78	8	1	10		3			2									_
Shell-3	18	120	6	4	26	5			3	6			1	1	1	1			
Shell-4	25	854	1	4	4		3	1	10	4									
Shell-5	25	476	25	2	8		6		3	4					2				
Shell-6	8	11	7	1	10		5			2						1	2		1
Shell-7	37	198	23	3	5		9		2	1		1				2			
Shell-8	35	28	40	1	27		9		3	5	2					1	2		
Shell-9	11	73	1	3	3		6	9	4	1									