

9/01/99

Dear Artificial Reef User:

The North Carolina Artificial Reef Program has received numerous requests for latitude/longitude coordinates on the artificial reef materials. In 1996/1997, Differentially corrected Global Positioning System (DGPS) was used to collect 200 positions on artificial reefs from Cape Hatteras to the North Carolina/South Carolina border. Enclosed is a list of these coordinates that includes buoy and material locations. This list will be updated as more coordinates are collected.

Please note that our coordinates read degrees (E) minutes (') seconds ("). If your GPS has different readouts, you can convert these positions by dividing the seconds (") by 60. An example of this conversion is 34E40'23", which when 23 is divided by 60 gives you 34E40.383'. As previously noted, these coordinates were collected with a Differentially corrected GPS. Non-corrected units may have very different readouts. Use the coordinates on this list as a starting point to find the material; then record the coordinates from your GPS when you find it. Your coordinates should be more repeatable for your GPS.

If we can help you with anything else, give us a call at 1-800-682-2632 or (252)726-7021.

Site	Buoy Coordinates	Material Description	Material Coordinates
AR130	36E00'11"/075E31'50"		
AR140	35E56'45"/075E31'47"	130' barge 130' barge	35E56'41"/075E31'55" 35E56'45"/075E31'55"
AR145	35E54'01"/075E23'53"	115' landing craft 185' vessel ADVANCE II concrete bridge rubble	35E54'04"/075E23'56" 35E54'00"/075E23'52" 35E53'58"/075E23'56"
AR160	35E43'54"/075E26'47"	440' ship ZANE GRAY 440' ship DIONYSUS part of the DIONYSUS 8 concrete VanDoren units	35E43'49"/075E26'46" 35E44'02"/075E26'44" 35E44'00"/075E26'44" 35E43'54"/075E26'52" 35E43'56"/075E26'52"
AR220	35E08'07"/075E40'38"	concrete rubble	35E08'04"/075E40'38"
AR230		105' tug MR. J.C. 130' yard freighter	35E07'58"/075E42'58" 35E06'11"/075E42'58"
AR250	34E56'54"/075E54'32"	concrete rubble	34E56'55"/075E54'46" 34E56'58"/075E54'47" 34E56'55"/075E54'49" 34E56'58"/075E54'51" 34E56'56"/075E54'50" 34E56'59"/075E54'50" 34E56'59"/075E54'49"
AR255	34E55'29"/075E57'55"	pipe high profile units concrete rubble 150' bridge span train cars  186 pipes	34E55'29"/075E57'59" 34E55'30"/075E57'54" 34E55'32"/075E57'57" 34E55'31"/075E57'52" 34E55'28"/075E57'57" 34E55'32"/075E57'52" 34E55'33"/075E57'49"

AR275	34E50'06"/076E16'59"	130' vessel GULF COAST concrete pipes 65' crew boat MISS CLARA	34E50'07"/076E16'37" 34E50'04"/076E17'01" 34E50'09"/076E16'51"
<b>Site</b>	<b>Buoy Coordinates</b>	<b>Material Description</b>	<b>Material Coordinates</b>
AR285	34E33'23"/076E26'21"	130' vessel NANCY LEE high profile units concrete pipes	34E33'32"/076E26'12" 34E33'21"/076E26'20" 34E33'34"/076E26'15" 34E33'28"/076E26'18" 34E33'30"/076E26'17"
AR300		174' yard oiler FS-26 concrete pipes	34E18'31"/076E24'08" 34E18'31"/076E24'18" 34E18'38"/076E24'09" 34E18'38"/076E24'11" 34E18'37"/076E24'08" 34E18'34"/076E24'32" 34E18'28"/076E24'34" 34E18'32"/076E24'33" 34E18'25"/076E24'36" 34E18'36-37"/076E24'33"
AR305		459' ship AEOLUS	34E16'41"/076E38'39" 34E16'42"/076E38'38"
AR315	34E40'20"/076E44'40"	440' liberty ship THEODORE PARKER 60' barge aircraft F-4 concrete rubble 2 - A-4 aircraft steel framing	34E40'21"/076E44'43-46" 34E40'24"/076E44'29" 34E40'21"/076E44'39" 34E40'23"/076E44'39-40" 34E40'22"/076E44'39"

AR320	34E39'32"/076E48'25"	140' vessel NOVELTY Atlantic Beach Bridge	34E39'29"/076E48'26" 34E39'29"/076E48'27" 34E39'24"/076E48'27" 34E39'31"/076E48'26-28"
<b>Site</b>	<b>Buoy Coordinates</b>	<b>Material Description</b>	<b>Material Coordinates</b>
AR330	34E33'38"/076E51'16"	train cars  old pipes: 41 pieces new pipes: 160 pieces domes  320' ship INDRA 2 - C-130 aircraft F-4 aircraft can units: 43 pieces	34E33'30"/076E51'16" 34E33'33"/076E51'20" 34E33'35"/076E51'22" 34E33'33"/076E51'22" 34E33'33"/076E51'19" 34E33'37"/076E51'12" 34E33'35"/076E51'12" 34E33'47"/076E51'16" 34E33'46"/076E51'15" 34E33'44"/076E51'20" 34E33'42"/076E51'06" 34E33'38"/076E51'22-23" 34E33'38"/076E51'21-22" 34E33'42"/076E51'24"

AR340	34E34'21"/076E58'18"	train cars 1,000 concrete pipes  12 Hatteras boat molds	34E34'19"/076E58'21" 34E34'25"/076E58'17" 34E34'23"/076E58'18" 34E34'22"/076E58'17" 34E34'21"/076E58'15" 34E34'19"/076E58'19" 34E34'19"/076E58'18" 34E34'20"/076E58'17" 34E34'21"/076E58'16" 34E34'21"/076E58'18" 34E34'22"/076E58'19" 34E34'27"/076E58'30" 34E34'30"/076E58'31" 34E34'25"/076E58'29" 34E34'26"/076E58'31" 34E34'24"/076E58'29" 34E34'22"/076E58'32" 34E34'24"/076E58'32" 34E34'23"/076E58'31" 34E34'22"/076E58'30" 34E34'22"/076E58'20" 34E34'23"/076E58'30"
<b>Site</b>	<b>Buoy Coordinates</b>	<b>Material Description</b>	<b>Material Coordinates</b>
AR342	34E36'32"/077E02'11"	tire units 246 pipes/train cars 160 concrete pipes 61 pipes	34E36'28"/077E02'10" 34E36'28"/077E02'10" 34E36'35"/077E02'11" 34E36'33"/077E02'07"
AR345	34E32'18"/076E58'28"	East group of pipes  Northwest group of pipes 2 train cars 8 concrete VanDoren units	34E32'14-16"/076E58'25-27" 34E32'13"/076E58'23" 34E32'13"/076E58'25" 34E32'18"/076E58'32" 34E32'14"/076E58'30" 34E32'24"/076E58'28" 34E32'24"/076E58'29"

AR355	34E21'11"/077E20'00"	bridge rubble  60' vessel SEA MINT train cars	34E21'14"/077E19'54" 34E21'16"/077E19'58" 34E21'17"/077E19'54" 34E21'15"/077E19'59" 34E21'12"/077E20'04" 34E21'19"/077E19'59" 34E21'12"/077E20'04" 34E21'09"/077E19'59"
AR360	34E20'59"/077E36'11"	850 concrete pipes	34E21'01"/077E36'11" 34E21'02"/077E36'12"
AR362	34E15'43"/077E30'27"	850 concrete pipes	34E15'46"/077E30'26" 34E15'44"/077E30'23" 34E15'46"/077E30'25" 34E15'46"/077E30'23"
AR364	34E14'50"/077E42'50"	65' tug SOUTHERN CRAFT 8 55' LCM 52' tug CAPTAIN TOM 298' barge HT-91 bow stern	34E14'51"/077E42'50" 34E14'47"/077E42'51" 34E14'50"/077E42'48" 34E14'46"/077E42'54" 34E14'49"/077E42'52"
AR366	34E12'57"/077E25'15"	850 pipes	34E12'59"/077E25'16" 34E12'57"/077E25'14"
<b>Site</b>	<b>Buoy Coordinates</b>	<b>Material Description</b>	<b>Material Coordinates</b>
AR368	34E09'34"/077E25'50"	train cars 241' barge scattered rubble	34E09'25"/077E25'55" 34E09'35"/077E25'55" 34E09'35"/077E25'56" 34E09'35"/077E25'53" 34E09'34"/077E25'58"
AR370	34E10'28"/077E45'04"	2 - 90' barges 440' liberty ship ALEXANDER RAMSEY 135' barge 120' tug SICONY 8	34E10'28"/077E44'48" 34E10'31"/077E45'07" 34E10'29"/077E44'47" 34E10'32"/077E45'05"

AR372	34E06'13"/077E44'57"	Northern barge Southern barge	34E06'15"/077E44'48" 34E06'14"/077E44'48"
AR376	34E03'17"/077E39'38"	train cars 850 concrete pipes 7 concrete VanDoren units	34E03'16"/077E39'37" 34E03'20"/077E39'42" 34E03'16"/077E39'35" 34E03'16"/077E39'78"
AR378		10 concrete reef ball units	34E01'09"/077E52'01"
AR382	33E58'35"/077E41'17"	dredge wreck	33E58'30"/077E41'17"
AR386	33E57'31"/077E33'27"	150' barge ALTON LENNON (Classroom) 215' dredge HYDE 320' dredge MARKHAM	33E57'38"/077E33'24" 33E57'27"/077E33'26" 33E57'38"/077E33'12"
AR420	33E50'24"/078E07'14"		
AR425	33E53'03"/078E06'34"	100 pieces of bridge railing  concrete pipes  8 concrete VanDoren units  concrete ball units	33E53'04"/078E06'31" 33E53'03-04"/078E06'29" 33E53'03"/078E06'36" 33E53'05"/078E06'35" 33E53'06"/078E06'34" 33E53'02"/078E06'34" 33E53'04"/078E06'37" 33E53'02"/078E06'37" 33E52'59"/078E06'34" 33E53'06"/078E06'30" 33E53'02"/078E06'05"
<b>Site</b>	<b>Buoy Coordinates</b>	<b>Material Description</b>	<b>Material Coordinates</b>
AR440	33E49'48"/078E13'05"	boiler pieces 65' tugs A.T. PINER/COOPEDGE concrete pipes	33E49'46"/078E13'03" 33E49'48"/078E13'06" 33E49'49"/078E13'06" 33E49'50"/078E13'05"
AR445	33E44'47"/078E14'06"	174' vessel JELL II  concrete pipes	33E44'51"/078E14'03" 33E44'50"/078E14'04" 33E44'46"/078E14'02" 33E44'45"/078E14'05"

AR455	33E47'02"/078E17'53"	concrete pipes	33E47'05"/078E17'56" 33E47'03"/078E17'54"
AR460	33E50'13"/078E22'02"	330' barge	33E50'08"/078E21'56"
AR465		180' vessel MANCE LASSITER	33E23'25"/078E11'03" 33E23'24"/078E11'04"