Reef Number and Name 56 Willie Krause Reef 5057266i
Latitude 29 53.117 Longitude 85 32.958 Was published lat/lon correct? ☐ Yes ☒ No
GPS Manufacturer & Model: Garmin 188C
Sonar Depth (feet) 72 Survey Date 10 Apr 2012 Time 1500
Weather Conditions Sunny Sea Condition 1-2'
Boat Name Bob Cat Boat Captain Bob Cox
Dive Leader Bob Cox
Dive Team Members Carol Cox
Depth Gauge Depth (feet) 72 Diver Bottom Time (minutes) 45
Water Temp Surface (Fahrenheit) 72 Water Temp Bottom (Fahrenheit) 68
Water Visibility Surface (feet) 40 Water Visibility Bottom (feet) 20
Thermocline Depth (feet) Current Direction Current Speed (knots)
Other Water Column Characteristics (check all that apply)
□ Plankton □ Algae □ Jellyfish □ Turbid □ Other
Bottom Composition (check all that apply)
⊠ Sand □ Silt □ Mud □ Gravel □ Shell □ Other □
Reef Materials & Quantity Reefballs, widely scattered, found 4 of 10
Reef Height at Highest Point (measured from base to top of the reef)(feet) 4
Physical Condition (Durability, stability, storm damage, other damage or movement):
 No damage
Explain damage/movement and suspected cause

Fish Counts (Click on the hyper-links below for identification)

<u>Angelfish-Blue</u>	•	1	\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches) 9	Comments
Angelfish-Queen	\circ	1	\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Barracuda-Great	0	1	\circ	2-10	\circ	11-100	\circ	101+	Length (inches)	Comments
Barracuda-Guaguanche	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Batfish-Polka-Dot	•	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches) 12	Comments
Blenny-Molly-Miller	0	1	\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Blenny-Seaweed	•	1	•	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) 1	Comments
Blenny-Tessellated	\bigcirc	1	0	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Blenny?	0	1	0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Butterflyfish-Spotfin	\bigcirc	1	0	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Butterflyfish?	0	1	0	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Cardinalfish-Two-Spot</u>	\circ	1	•	2-10	\bigcirc	11-100	\circ	101+	Length (inches) .5	Comments
Chromis-Purple-Reeffish	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Chromis-Yellowtail-Reeffish	•	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches) .5	Comments
Cobia (Ling)	0	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Cowfish-Scrawled	0	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
<u>Damselfish-Cocoa</u>	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Damselfish?	0	1	\bigcirc	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Dolphin?	0	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
<u>Drum-Cubbyu</u>	\circ	1	0	2-10	•	11-100	0	101+	Length (inches) 1-6	Comments
<u>Drum-Jackknifefish</u>	\circ	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Eel?	0	1	0	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Flounder-Gulf	\circ	1	0	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Filefish?	0	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Frogfish-Ocellated	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Goby-Spotted	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Goby?	0	1	0	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments

<u>Grouper-Gag</u>	<u> </u>	<u> </u>	<u> </u>	○ 101+	Length (inches)	Comments
Grouper-Goliath	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Red	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grouper-Rock-Hind	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Grouper-Scamp</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Grunt-Tomtate</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Grunt-White</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Grunt?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Almaco-Lesser-AJ	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Blue-Runner	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Greater-Amberjack	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Lookdown	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Jack-Rainbow-Runner	O 1	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Jack-Round-Scad-Cigar-</u> <u>Minnow</u>	O 1	<u> </u>	<u> </u>	101+	Length (inches) 4	Comments
Jack?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Lizardfish?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Mackeral-King</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Mackeral-Spanish</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Mahi</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Minnows-Glass-Small-Fry	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Pinfish?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Porgy-Saucereye</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Porgy-Sheepshead-Porgy	<u> </u>	2-10	<u> </u>	O 101+	Length (inches) 12	Comments
Porgy-Sheepshead	1	<u> </u>	<u> </u>	O 101+	Length (inches) 18	Comments
Porgy? Longspine	<u> </u>	<u> </u>	11-100	O 101+	Length (inches) 2	Comments
<u>Puffer-Bandtail</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
<u>Puffer-Sharpnose</u>	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments
Puffer?	<u> </u>	<u> </u>	<u> </u>	O 101+	Length (inches)	Comments

Ray?	0	1	0	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments
Shark? Blacktip	\circ	1	0	2-10	•	11-100	\bigcirc	101+	Length (inches) 4-6 ft	Comments
Sharksucker-Sharksucker	0	1	•	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) 12	Comments
Sharksucker-Whitefin	\circ	1	0	2-10	0	11-100	\bigcirc	101+	Length (inches)	Comments
Sand-Perch	•	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) 4	Comments
<u>Seabass-Bank</u>	\circ	1	\circ	2-10	•	11-100	\bigcirc	101+	Length (inches) 2-8	Comments
<u>Seabass-Belted-Sandfish</u>	\circ	1	•	2-10	0	11-100	\circ	101+	Length (inches) 2	Comments
<u>Seabass-Black</u>	•	1	0	2-10	0	11-100	\circ	101+	Length (inches) 14	Comments
<u>Seabass-Pygmy</u>	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
Seabass?	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
<u>Snapper-Gray</u>	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
<u>Snapper-Lane</u>	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
<u>Snapper-Red</u>	\circ	1	\circ	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
<u>Snapper-Vermillion</u>	\circ	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Snapper?	\circ	1	\circ	2-10	\circ	11-100	\bigcirc	101+	Length (inches)	Comments
Soapfish-Whitespotted	\circ	1	•	2-10	0	11-100	\circ	101+	Length (inches) 6	Comments
<u>Spadefish-Atlantic</u>	\circ	1	0	2-10	0	11-100	\circ	101+	Length (inches)	Comments
Toadfish-Leopard	\circ	1	•	2-10	\circ	11-100	\bigcirc	101+	Length (inches) 10	Comments
<u>Triggerfish-Gray</u>	\circ	1	•	2-10	\circ	11-100	\bigcirc	101+	Length (inches) 10-12	Comments
Wrasse-Slippery-Dick	\circ	1	•	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) 2-4	Comments
<u>Unlisted</u> Townsend	•	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches) 9	Comments
<u>Unlisted</u> Dwarf Goatfish	\circ	1	\circ	2-10	•	11-100	\bigcirc	101+	Length (inches) 2	Comments
Unlisted	\circ	1	\circ	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Unlisted	0	1	\bigcirc	2-10	\bigcirc	11-100	\circ	101+	Length (inches)	Comments
Unlisted	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments
Unlisted	0	1	\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Unlisted	0	1	\circ	2-10	\bigcirc	11-100	0	101+	Length (inches)	Comments
Unlisted	\circ	1	\bigcirc	2-10	\bigcirc	11-100	\bigcirc	101+	Length (inches)	Comments

Growth on Reef (Click on the hyper-links below for identification) ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Algae Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Anemone Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **Barnacles** Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) **Bivalves** Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Colorful-Sea-Whip Describe Coral-Hard-Unkown ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Describe Coral-Gorgonian 1-25% 26-50% 51-75% 76-100% Size (inches) Describe ○ 1-25% ○ 26-50% ○ 51-75% ○ 76-100% Size (inches) Coral-Occulina Describe Coral-White-Telesto 1-25% 26-50% 51-75% 76-100% Size (inches) Describe Feather-Duster-Worms 1-25% 26-50% 51-75% 76-100% Size (inches) Describe 1-25% 26-50% 51-75% 76-100% Size (inches) **Sponges** Describe Describe Unlisted Invertebrates at Reef (Click on the hyper-links below for identification) Cowry-Spotted-Cyphoma \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments Cowry-West-Indian-Simnia \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments **Crab-Swimming** O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Crab-Stareye-Hermit \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Comments Size (inches) Crab-Stone \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Comments Size (inches) **Crab-Yellowline-Arrow** \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments Crab? Lobster-Shovelnose \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments **Lobster-Spiny** \bigcirc 1 ○ 2-10 ○ 11-100 ○ 101+ Size (inches) Comments ○ 2-10 ○ 11-100 ○ 101+ Octopus \bigcirc 1 Size (inches) Comments Sea-Cucumber O 2-10 O 11-100 O 101+ \bigcirc 1 Size (inches) Comments Sea-Slug \bigcirc 1 O 2-10 O 11-100 O 101+ Size (inches) Comments Sea-Star O 2-10 O 11-100 O 101+ \bigcirc 1 Comments Size (inches)

O 2-10 O 11-100 O 101+

Size (inches)

 \bigcirc 1

Sea-Urchin

Comments

Snail-Atlantic-Hair	ry-Triton	\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Snail-Murex		0	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Snail-Netted-Olive	<u>e</u>	\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Snail-Florida-Hors	se-Conch	\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Unlisted		0	1 (2-10	0	11-100	\circ	101+	Size (inches)		Comments
Turtles and Air Breathers/Mammals (Click on the hyper-links below for identification)											
Turtle-Green		\bigcirc	1 (2-10	0	11-100	\circ	101+	Size (inches)		Comments
Turtle-Leatherbac	<u>:k</u>	\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Turtle-Loggerhea	<u>d</u>	\circ	1 (2-10	0	11-100	\circ	101+	Size (inches)		Comments
Turtle?		\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Whale?		\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
<u>Unlisted</u>		\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
<u>Unlisted</u>		\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Unlisted		\bigcirc	1 (2-10	0	11-100	\bigcirc	101+	Size (inches)		Comments
Other Observations/Photos:											
Observations Using the vessel's depth sounder, the published site was searched for evidence of reef materials and none detected. After circling the area, 4 reef balls were found approximately 100-170 feet East of the published lat/lon. Bob had some old lat/lons loaded in the GPS. The 4 reef balls found may have formerly known as Blackfin reef. It's suspected that early typing/recording discrepancies may be the cause for errors. It's also possible that historic Loran nav problems may have contributed to malposition errors. More searches on the reef are required to locate other reef balls not found in attempt to define the reef and establish a better published location. RLC											
Photos? • Yes O No Attached? • Yes O No											
Video?	es No										





Image Field



Image Field



Image Field



Image Field



Image Field Image Field

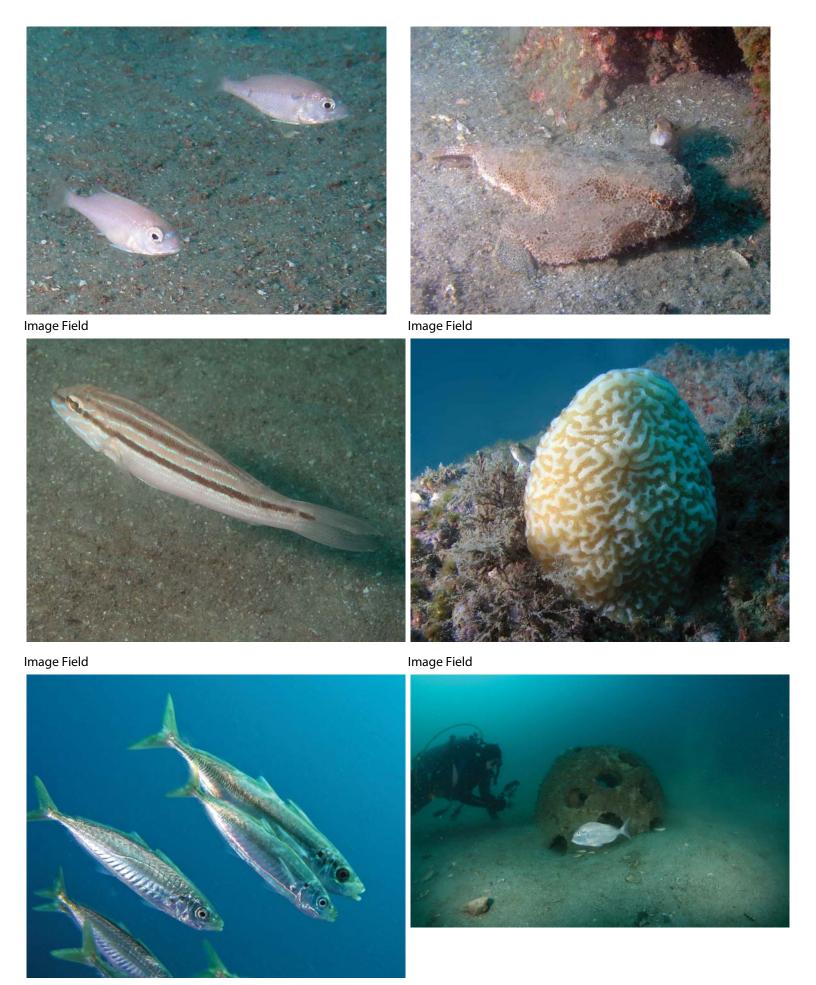


Image Field Image Field

















Image Field Image Field

Page 9 of 10



Image Field

Image Field



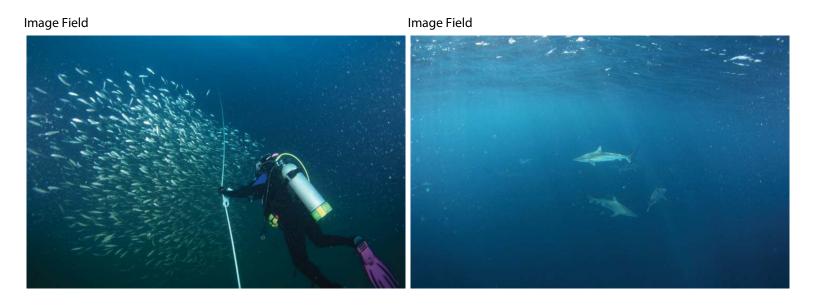


Image Field Image Field