



COASTAL RESOURCES DIVISION
ONE CONSERVATION WAY • BRUNSWICK, GA 31520 • 912.264.7218
COASTALGADNR.ORG

MARK WILLIAMS
COMMISSIONER

DOUG HAYMANS
DIRECTOR

MAR 08 2018

Ken Lavet
Gemini Pictures, LLC.
3313 Louis Street
Savannah, GA 31404

Re: Letter of Permission (LOP), Temporary Activities in the State's Shore Protection Act Jurisdiction, South Beach Area, Tybee Island, Chatham County, Georgia.

Dear Mr. Lavet:

This Letter of Permission (LOP) is in response to your request received January 25, 2018 for the temporary use of production equipment in State's Shore Protection Act (SPA) Jurisdiction on Tybee Island, Chatham County, Georgia. The project within the State's SPA Jurisdiction will begin no sooner than 15 days after the date on this letter and be completed no later than sixty (60) days from the issuance of this letter. These dates are subject to change due to weather or unforeseen production changes.

The proposed temporary activities will take place in the vicinity of Chatham Avenue and would include the Chatham Avenue parking area, dune crossover, the beach seaward of the crossover and the Back River. Production Company activity will normally occur between 5:30 am until 8 pm. There is no scheduled night filming.

Temporary production activities include the temporary placement of six (6) 6ft. x 10ft. floating docks, camera equipment, and scene props in the State's SPA Jurisdiction. The scene also includes a sea plane, picture boats, and support vessels. The sea plane, picture boats, floating docks and support vessels will be temporarily moored in SPA jurisdiction the day of the shoot only. No overnight mooring or storage of production company equipment (sea plane, vessels and floating docks) in jurisdiction is authorized. In addition, storage of fuel and other associated petrochemicals is not authorized in the jurisdiction.

To service the set seaward of the Chatham Avenue dune crossover, a trailer based power plant generator will be positioned in the 19th Street parking area. The company will run no more than six (6) cables along the existing dune crossover at this location. Bundled power cables will run from the power source along the dune crossover and dry, sand beach. The power cable bundles will be identified & secured appropriately. Portable restroom(s) will be temporarily positioned on the parking area landward of the SPA jurisdiction.

Vehicular access for all production equipment to the beach seaward of Chatham Avenue will occur at 19th Street, across temporary, pre-fabricated, mats placed along a designated travel corridor landward of ordinary high water. Mats will help minimize impacts to the ecosystem at the location while allowing for vehicular ingress & egress across the dry sand beach. The travel

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Gemini Man, LLC. LOP

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corridor will be delineated by Department staff and will be established seaward from the 19th Street DNR-approved vehicular beach access point. The temporary installation and maintenance of beach access mats will help minimize impacts to the ecosystem. The designated travel corridor will enhance public safety at the location.

Production equipment for the Chatham Avenue location will include lighting equipment, lighting cranes, grip equipment, set dressing, cameras, camera cranes, camera lifts and dolly track as well as a sea plane, picture boats, support vessels and floating docks. The production crew will use no more than six (6) gators (and/or golf carts) with small trailers for the purpose of hauling production equipment only. Three (3) gators will be used by camera department for their camera equipment only, one (1) for electric for their heavy cables and lights, one (1) gator for the grip department with pipes and drapes and one (1) gator for props that carries multiple set dressing. No more than six (6) 5ft. X 10ft. floating docks may be positioned along the waterline using stern anchors and upland stake-supports. Production vehicles will not drive in or enter the sand dune area. At the end of each day, the production company will remove all props and production equipment.

Public access to the production area will be managed by crew and security. Public access may be temporarily restricted, but otherwise, all efforts will be made to allow reasonable public access to the beach at this location. During filming, the Company will also hire marine patrol units to limit public watercraft from traveling within 500 feet of the set.

All materials, vehicles and equipment associated with the location known as the Chatham Avenue and adjacent beach will be staged in secured areas including the 19th Street parking lot and the Chatham Avenue beach parking lot. During production, the dune crossover will be closed to the public. At the end of production, all matting and equipment will be removed and the beach will be hand raked in a manner to be consistent with the topography of the immediate surrounding area. The production crew will also be responsible for re-installing benches, trash cans, and signage removed while on location.

The Department authorizes Gemini Man, LLC. to conduct temporary activities in the State's Shore Protection Act jurisdiction in conjunction with the film production as depicted in the attached description and has no objection to the activities provided Best Management Practices (BMP's) are used to prevent any additional impacts at the site and to protect jurisdictional shore areas. Any deviations from the current project description, equipment list or location footprint may require further review.

The Department will inspect all areas as described above during and at the termination of the temporary activities to ensure that those areas are in a condition consistent with the authorization granted by this LOP. All persons associated with Gemini Man, LLC. must remain off the dunes and dune vegetation during setup, filming and breakdown at the approved location. No vegetation is to be disturbed during approved activities. Any incidental impacts to the dunes or vegetation must be restored to pre-activity vegetated and topographic conditions as determined by the Department. The production crew will also be responsible for re-installing benches, trash cans, and signage removed while on location.

This LOP is valid for the activities described above at the locations described above 15 days after the date on this letter and be completed no later than sixty (60) days from the issuance of this

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Gemini Man, LLC. LOP

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letter. Any change in the type of activities, date, or locations without prior notification and approval from this office could result in the revocation of this LOP and the requirement to immediately cease all activities followed by removal of the materials and related structures. **This project must comply with all other federal, state, and local statutes, ordinances and regulations.**

This authorization does not relieve you from obtaining any other required federal, state, or local permits including an executed Marine Event Permit from Georgia Department of Natural Resources Law Enforcement Division.

Thank you for working with the Department on this project. Please do not hesitate to contact me or Deb Barreiro 912.266.3695, if you have any questions or concerns.

Sincerely,



Jill Andrews
Chief, Coastal Management Section

Enclosures: Project description, equipment list and location maps

cc: Mark Carson
GADNR LE
1 Conservation Way
Brunswick, GA 31520

Beth Nelson
Film Savannah
P.O. Box 128
Savannah, GA 31402

LOP20180026

Barreiro, Deb

Subject: FW: Gemini Man - Tybee Island - Seaplane Landing Map

From: Sara Alread [mailto:saraalread@gmail.com]
Sent: Tuesday, March 06, 2018 9:08 AM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>; Carson, Mark <Mark.Carson@dnr.ga.gov>; Ronnie Kupferwasser <ronzk@yahoo.com>; Burgess, Karl <Karl.Burgess@dnr.ga.gov>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Yes, that is what we are asking.

Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Mar 6, 2018, at 9:07 AM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

so does that mean that you are asking to operate, land and taxi of a seaplane along the shoreline of Tybee Island, Georgia as early as Saturday March 24?

From: Sara Alread [mailto:saraalread@gmail.com]
Sent: Tuesday, March 06, 2018 8:39 AM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>; Carson, Mark <Mark.Carson@dnr.ga.gov>; Ronnie Kupferwasser <ronzk@yahoo.com>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Deb & Mark,

The production is requesting that we bring our "hero" seaplane in for our Saturday rehearsal. Can you please let me know if this is possible? I'm available all day by phone, text, or email.

Thank you,
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Mar 5, 2018, at 3:27 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

thanks for the call to discuss the additional impacts associated with the proposed scene on the beach.
as discussed,
please forward the information we discussed and an additional map (if needed).
remember to include the float dimensions, how the floats will be delivered to the set, placed in the water,
anchored and then removed after the shoot.

also,
if we need to amend the date,
make that part of the request, too.

and as we discussed,
please reach out to Law Enforcement to as it the Marine Event Permit must be modified too.

I copied them on this email so that we are all on the same page.

thanks
db

From: Sara Alread [<mailto:saraalread@gmail.com>]
Sent: Friday, March 02, 2018 11:44 AM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Deb,

I just found out today that when we are at Tybee Island, we would like up to 6 floating docks (10 ft x 6 ft each) to be anchored next to our hero boat and seaplane on the tide line. Please call, text, or email with questions or concerns.

Thank you,
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:50 PM, Sara Alread <saraalread@gmail.com> wrote:

Thank you for helping to get this processed!

Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:49 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

thanks so very much for the quick turnaround.

the document has been forwarded to senior management and it is our hope that one of three potential scenarios will be executed and move forward today. I will follow up with you as soon as I hear more. thank you both for your quick response to our requests and for giving us an opportunity to make things happen on our end.

From: Sara Alread [<mailto:saraalread@gmail.com>]
Sent: Wednesday, February 28, 2018 2:33 PM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

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Revised.

Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:11 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

see attached edits & suggestions

CALL

From: Sara Alread
[<mailto:saraalread@gmail.com>]
Sent: Wednesday, February 28, 2018 1:23 PM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Here is the seaplane landing map for Tybee filming. Please let me know if I need to make adjustments.

Thank you!
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

<20180228140013.pdf>

February 1, 2018

Georgia Department of Natural Resources
1 Conservation Way
Brunswick, GA 31520



Dear Deb and Karl,

RE: Letter of Request, *Gemini Man*, Gemini Pictures, LLC, filming near the state's shore jurisdiction at Tybee Island, Georgia.

'Sandbar Island' – Tybee Island – South Beach, seaward of the dunes, 500 feet west of the Chatham Avenue Beach Crossover

PREP – Sunday, March 25, 2018
FILM – Monday, March 26, 2018
WRAP – Tuesday, March 27, 2018

For this scene, the 'picture' boat will be anchored at the water line. Two characters will be talking and 'working' on the boat. Then, the 'picture' seaplane flies into the scene. The plane lands on the water and water taxis into place next to the 'picture' boat. The two characters and the 'pilot' continue their dialogue.

Our tentative schedule is to shoot for one day in this area between March 1, 2018 and April 30, 2018. These extended dates allow for inclement weather or unforeseen production changes. The Company requests to film on March 27, 2018 if inclement weather or unforeseen production changes prevent filming on Monday, March 26, 2018. The Company will film during daylight hours.

For this scene, there will be 1 'picture' de Havilland Beaver DHC-2 Seaplane on floats and 1 'picture' 34' Chris-Craft Corsair boat. Company will have six (6) support vessels in the water during filming. The support vessels will consist of one (1) 24' Carolina skiff, one (1) 18' center console Privateer, two (2) personal watercrafts, and two (2) marine patrol boats.

For this scene, Company is requesting permission to move with the tide and use stern anchors to anchor the 'picture' boat and 'picture' plane to the water line throughout the filming day. The Company, through our aerial coordinator, Cliff Fleming, is obtaining approval from the FAA to take off and land the 'picture' seaplane up to 5 times for camera.

The Company is requesting permission to bring in approximately 125 4' x 8' traction mats and place them starting at the soft sand at the 19th Street Beach Crossover. From land, a tractor-trailer will deliver the mats to our proposed staging area in the 19th Street parking lot. Once delivered to the parking lot, the mats will be placed on a stake bed. The stake bed will drive on the beach and each mat will be put in place by hand. These mats will stay in place during prep, shoot, and wrap of the beach.

The Company is requesting permission for the following equipment on the beach for prep, filming, and wrap (Sunday, March 25 to Tuesday, March 27):

- 1 Technocrane - Moviebird 45 for Camera
- 2 Grade Aills – JLG 1055 Telehandlers
- 1 60' Condor – JLG 600 Crawler Series Telescopic Boom Lift

The Company is requesting permission to drive two (2) stake beds onto the beach during prep and wrap for the purpose of hauling production equipment only. Permission to use the stake beds at the start and end of our filming day to more efficiently move equipment on and off the beach. Once the filming day begins, the Company is requesting permission to drive six (6) 4-wheeled gators for the purpose of hauling production equipment only. These vehicles are needed to efficiently move equipment from our trucks in the parking areas to the set location on the beach. Each vehicle will have only necessary equipment needed for that scene. Equipment consists of cameras and monitors, electric – heavy cables and lights, grips - pipes and drapes, props and set dressings, tents and trash cans, etc. The Company is also requesting permission to drive four (4) golf carts for the purpose of transporting actors, directors, and key personnel from the trucks to the beach set location. Vehicles will not drive in or enter the sand dune area and will only access the beach at the 19th Street Beach Access.

The generator for this scene will be parked in the Chatham Avenue parking lot. The Company is requesting permission to run cable along the existing Chatham Avenue beach crossover. Placement of the cables will be mindful of the existing dune vegetation. Cables are the size of a regular lawn hose.

Production is requesting permission to hire off duty marine patrol and their vessels to patrol the water within the 500' waterline of our set. This is to guard our set and crew from any recreational water vehicle or person encroaching our set, as well as for safety in the plane landing. Production is seeking permission to control the beach from 500' feet northwest of our set location to the 19th Street Beach Crossover. While filming, public access to the proposed filming area of the beach will be managed by crew and a private security company. The Company will coordinate with the GADNR Law Enforcement to obtain necessary Marine Event permits.

Production is requesting two (2) Tybee Island police officers and two (2) Tybee Island Ocean Rescue lifeguards for the filming day. The Company's Marine Department will have four (4) water safety officials hired by the production.

Production is requesting permission to store equipment overnight, such as production trailers, trucks, restroom trailers, and working equipment in the Chatham Avenue, Butler Avenue, and 19th Street parking lots, as well as 15th Street between Butler Avenue and the beach.

Sincerely,



Ken Lavet
Location Manager, *Gemini Man*
3313 Louis Street, Savannah, GA 31404
818-383-2740
kdlavet@gmail.com



Sara Alread
Assistant Location Manager, *Gemini Man*
3313 Louis Street, Savannah, GA 31404
912-399-1445
saraalread@gmail.com

SANDBAR ISLAND - CHAPARRAL 350 / OPEN WATER
MONDAY, MARCH 26, 2018

THE SEAPLANE WILL APPROACH FROM THE SOUTH.
AT NO TIME WILL THE SEAPLANE FLY AT AN ALTITUDE
LESS THAN 500 FT WITHIN 1000 FT OF THE OHWM
OF EITHER LITTLE TYBEE OR TYBEE ISLAND.





SANDBAR ISLAND - CHAPARRAL 350 / OPEN WATER
MONDAY, MARCH 26, 2018

- SET**
 SOUTH TYBEE ISLAND BEACH
 NEAR: 1811 CHATHAM AVENUE
 TYBEE ISLAND, GA 31328
- BASE CAMP**
 HOTEL TYBEE
 1412 BUTLER AVENUE
 TYBEE ISLAND, GA 31328
- TRUCK PARKING**
 BEACH PARKING LOTS
 18TH ST & CHATHAM AVE
 TYBEE ISLAND, GA 31328
- CREW PARKING**
 NORTH BEACH PARKING LOT
 33 MEDDIN DRIVE
 TYBEE ISLAND, GA 31328
- CATERING**
 HOTEL TYBEE
 1412 BUTLER AVENUE
 TYBEE ISLAND, GA 31328





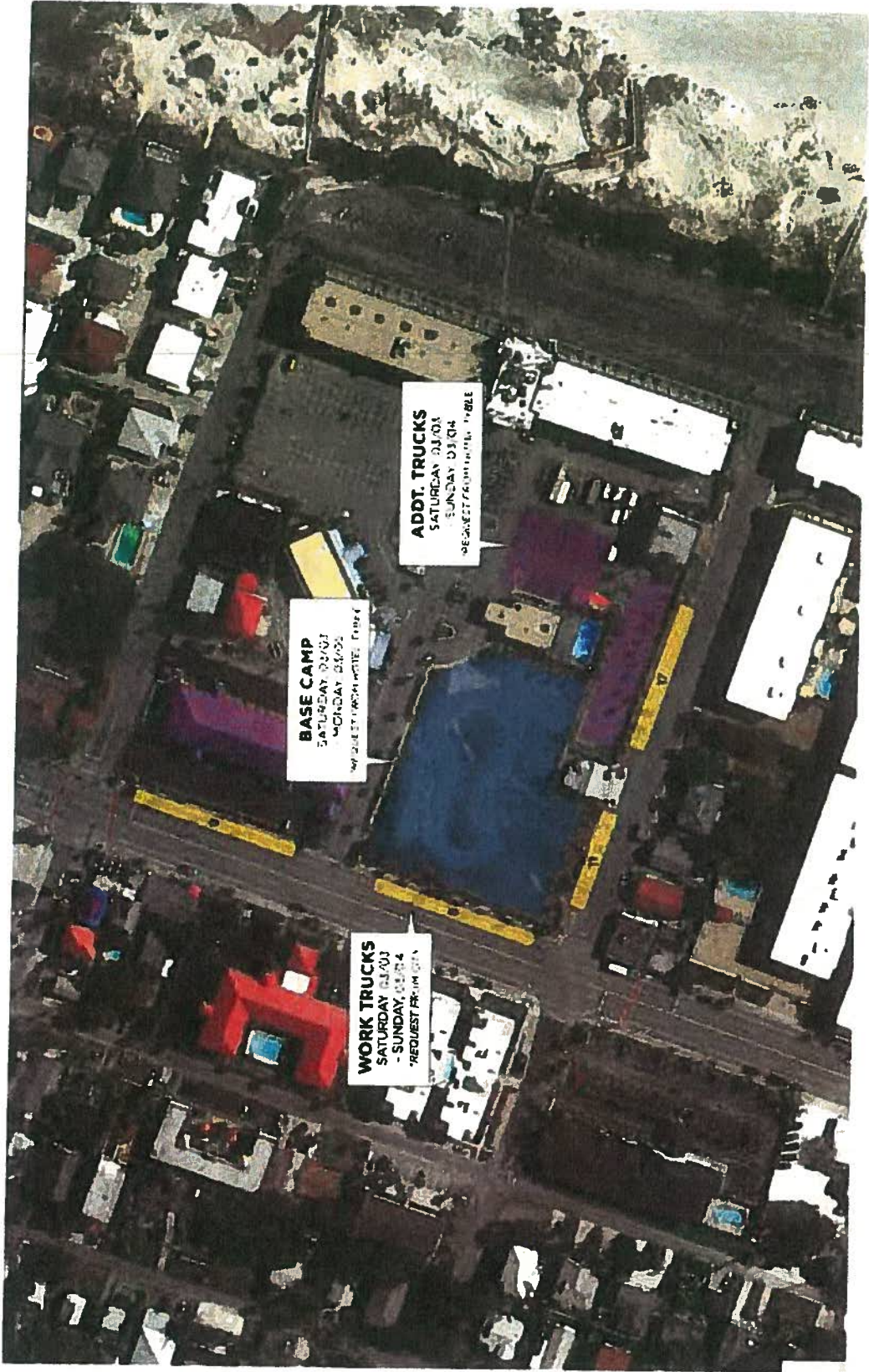
SANDBAR ISLAND - CHAPARRAL 350 / OPEN WATER

SATURDAY, MARCH 24 - MONDAY, MARCH 26, 2018

BASE CAMP
HOTEL TYBEE
1412 BUTLER AVENUE
TYBEE ISLAND, GA 31328

TRUCK PARKING
STREET PARKING (45)
BUTLER AVE & 15TH ST
TYBEE ISLAND, GA 31328

MOVE IN TIME:
SAT, MARCH 24
12 PM TO 4 PM



BASE CAMP
SATURDAY 03/24/18
MONDAY 03/26/18
REQUEST FROM: TYBEE

WORK TRUCKS
SATURDAY 03/24/18
- SUNDAY 03/25/18
REQUEST FROM: TYBEE

ADDT. TRUCKS
SATURDAY 03/24/18
SUNDAY 03/25/18
REQUEST FROM: TYBEE

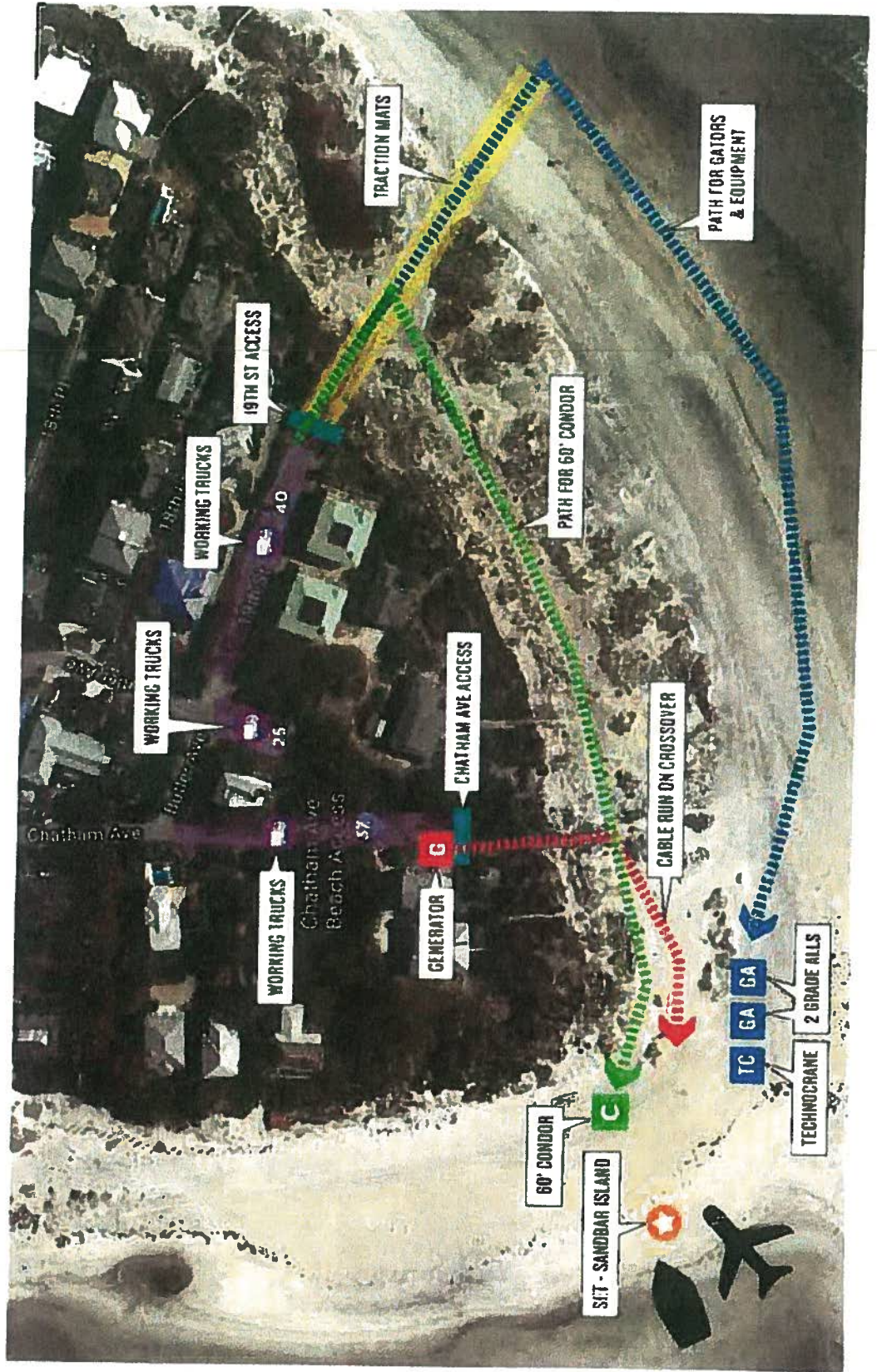


SANDBAR ISLAND - CHAPARRAL 350 / OPEN WATER
 SUNDAY, MARCH 25 - TUESDAY, MARCH 27, 2018

TRUCK PARKING
 BEACH PARKING LOTS
 19TH ST, BUTLER AVE & CHATHAM AVE
 TYBEE ISLAND, GA 31328

TRUCK PARKING
 CHATHAM AVE (40)
 BUTLER AVE (25)
 19TH ST (37)

SUNDAY - \$4896
 MONDAY - \$1224
 TUESDAY - \$1224
 TOTAL - \$7344





SANDBAR ISLAND - CHAPARRAL 350 / OPEN WATER
MONDAY, MARCH 26, 2018

CREW PARKING
NORTH BEACH PARKING LOT (200)
33 MEDDIN DRIVE
TYBEE ISLAND, GA 31328

MONDAY - \$2400
TOTAL - \$2400



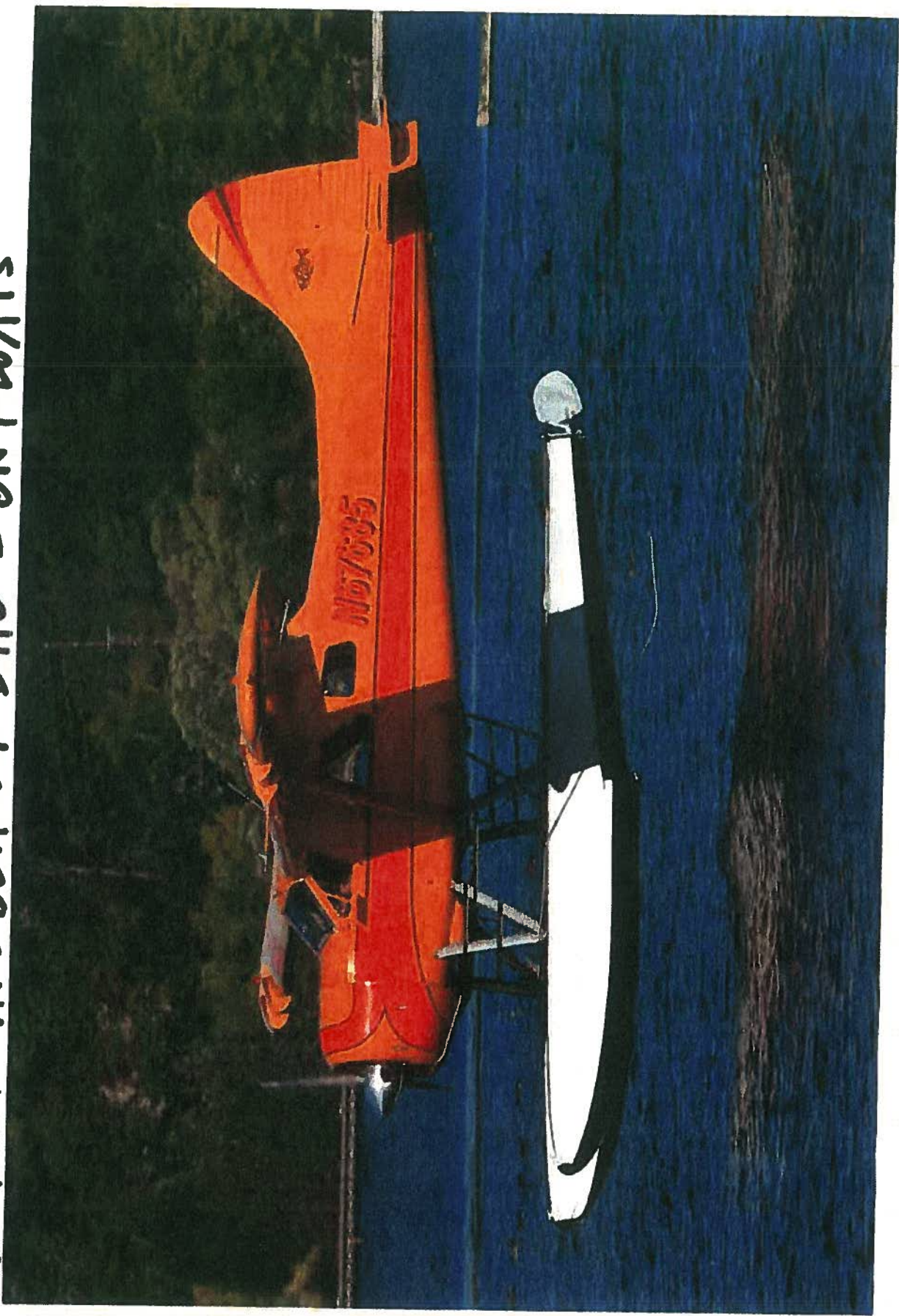
G E M I N I M A N

TYBEE BEACH

**Nearest Entrance: Chatham Ave Beach Access Lot
1811 Chatham Ave.
Tybee Island, GA 31328**



DE HAVILLAND BEAVER DHC-2 ON FLOATS



SPEC SHEET

DHC-2 Floatplane

\$650,000 as tested

SPECIFICATIONS

Powerplant | Pratt & Whitney R-985 Wasp Jr. 450 hp

Length | 32 ft 9 in

Height | 10 ft 5 in

Wingspan | 48 ft 0 in

Wing area | 250 sq ft

Wing loading | 22.4 lb/sq ft

Power loading | 11.3 lb/hp

Seats | 8

Empty weight | 3,450 lb

Max gross weight | 5,600 lb

Useful load | 2,150 lb

Payload w/full fuel | 1,322 lb

Max takeoff weight | 5,600 lb

Fuel capacity | 138 gal (138 gal usable)

Oil capacity | 6 gal

PERFORMANCE

Takeoff distance over 50-ft obstacle | 1,610 ft

Rate of climb, sea level | 920 fpm

Max level speed, sea level | 155 mph

Service ceiling | 18,000 ft

Landing distance over 50-ft obstacle | 1,510 ft

LIMITING AND RECOMMENDED AIRSPEEDS

VX (best angle of climb) | 80 mph

VY (best rate of climb) | 95 mph

VA (design maneuvering) | 125 mph

VFE (max flap extended) | 105 mph

VS1 (stall, clean) | 60 mph

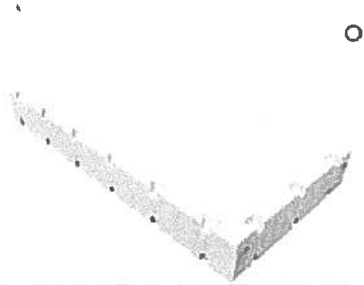
VSO (stall, flaps extended) | 45 mph

All specifications are based on manufacturer's calculations. All performance figures are based on standard day, standard atmosphere, sea level, gross weight conditions unless otherwise noted.

FIND A DEALER



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60" DOCK

SKU# 206010

Category: Dock Sections

DIMENSIONS:

60" W x 10' L x 15" H

DESCRIPTION

This 60" x 10' polyethylene dock section is durable, slip-resistant and low maintenance with 3,000 pounds of weight capacity.

1 0

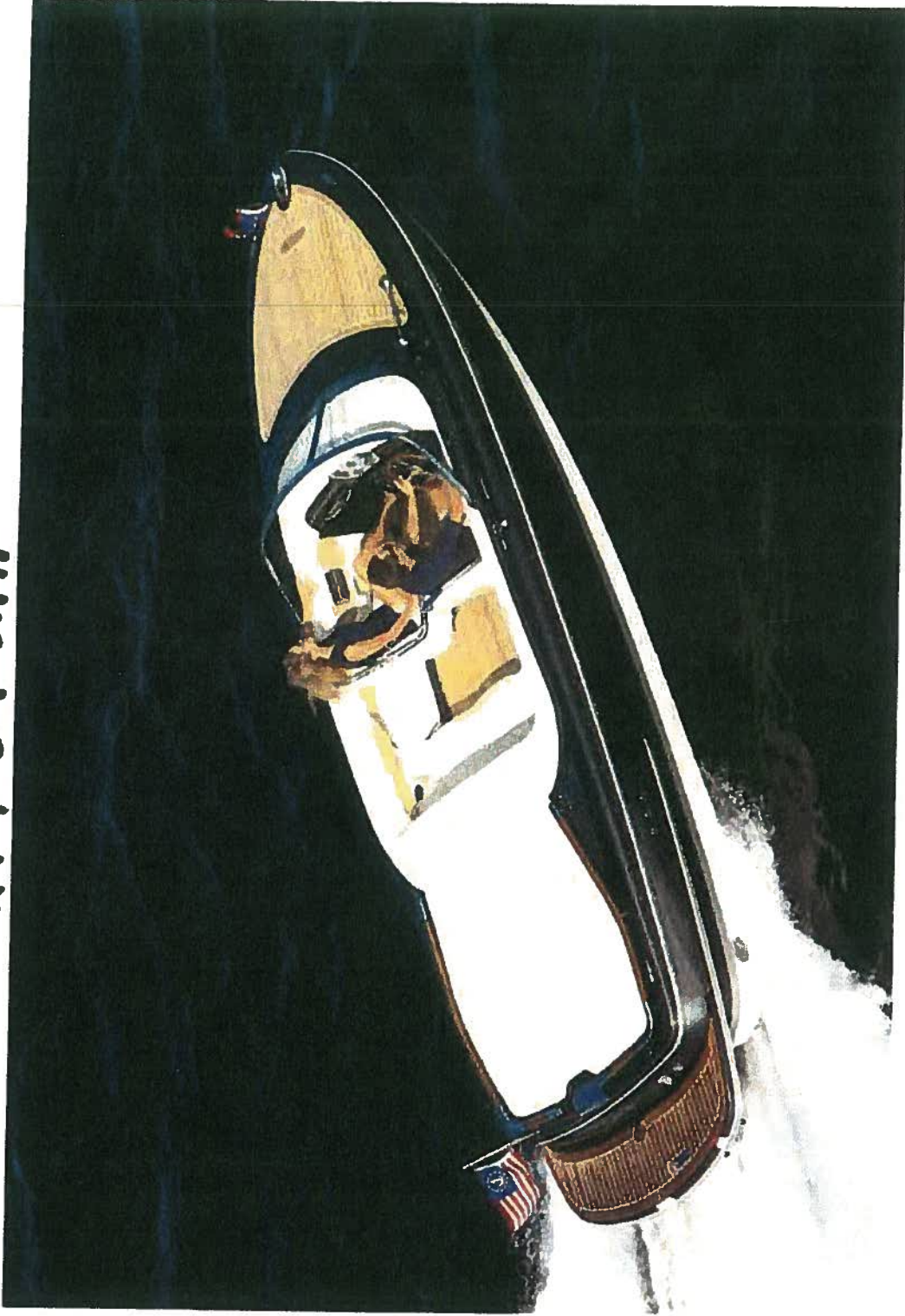


DESCRIPTION

The revolutionary EZ Dock flotation design creates suction and compression to increase stability. It's not just floating, it's actually creating stability by using the patented hollow chambers on the underside. When you walk on an EZ Dock, you will immediately notice the difference.

The connection couplers allow the sections to move independently under high-stress conditions, while still providing unified firmness. The EZ Dock polyethylene construction provides outstanding modularity, superb buoyancy, functionality, and safety. That makes for an extremely versatile dock system.

34' CHRIS-CRAFT CORSAIR



34' CHRIS-CRAFT CORSAIR

Length overall (w/ swim platform) - 34'3", 10.4

Length overall (w/o swim platform) - 32', 9.75 m

Waterline length - 26'9", 8 m

Beam maximum - 10'2", 3.1 m

Beam transom - 8'9", 2.7 m

Center of gravity (fwd of transom keel) - 12'7", 3.8 m

Dry weight - 9,950 lbs, 4,513 kg

Fuel capacity - 185 gal, 700.3 ltr

Water capacity - 35 gal, 132 ltr

Deadrise - 22 deg

Transom angle - 13 deg

Freeboard forward - 38", 96.5 cm

Freeboard at half length - 35", 88.9 cm

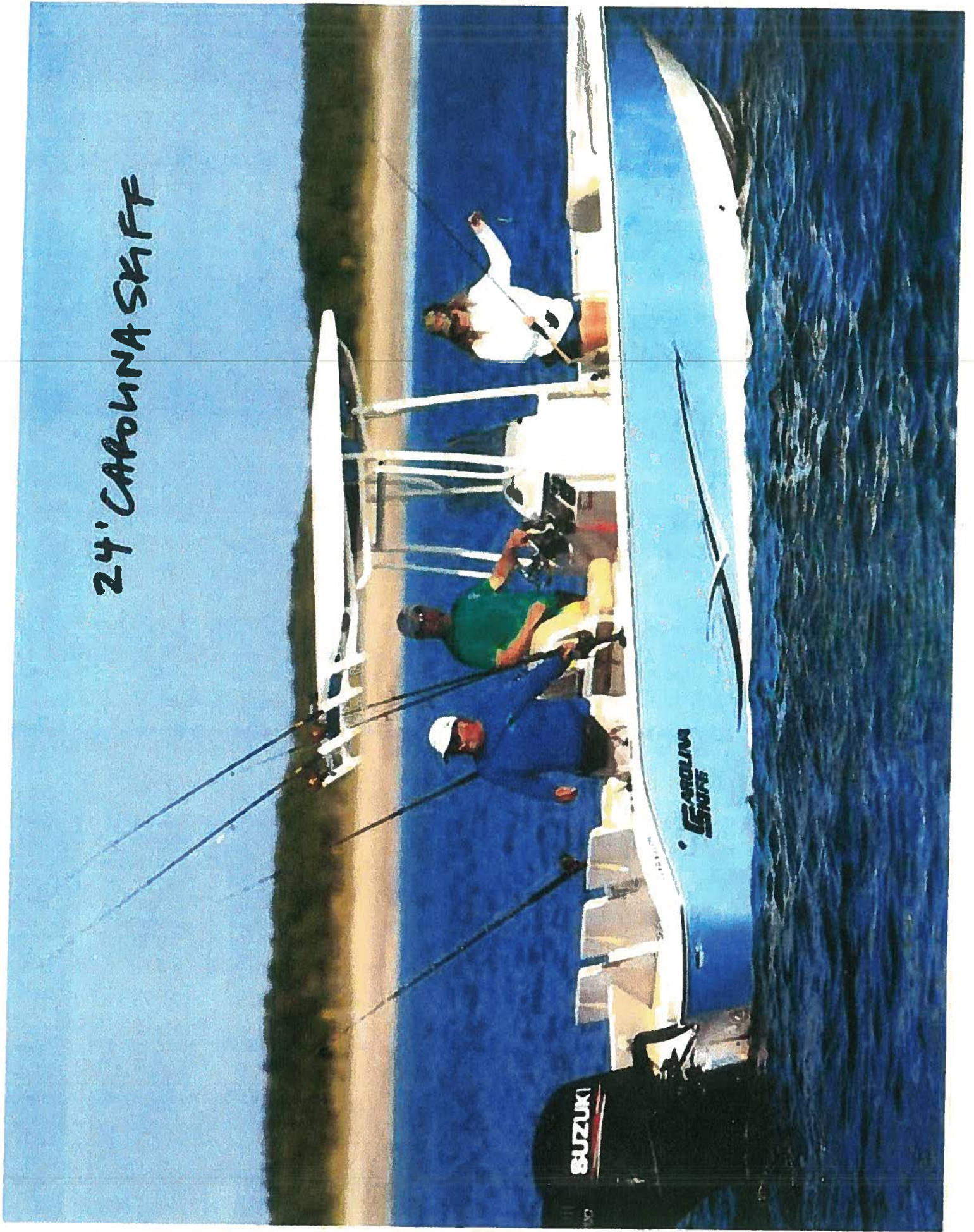
Freeboard aft - 27", 68 cm

Height overall - 6'10", 2.1 m

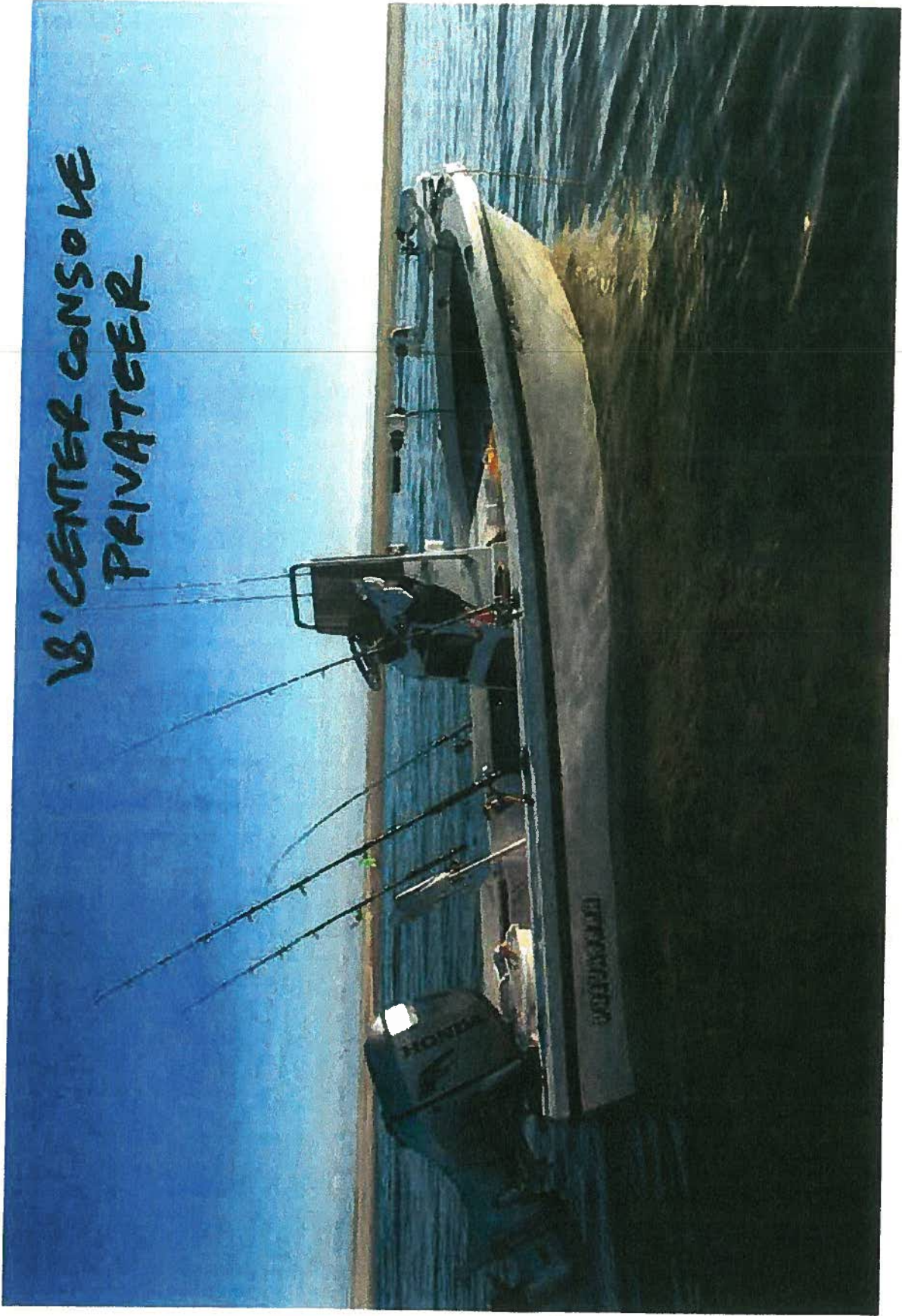
Bridge clearance - 60", 1.5 m

Maximum persons - 12

24' CAROLINA SKIFF



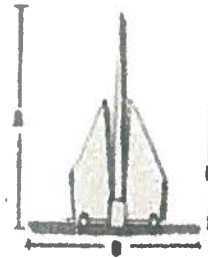
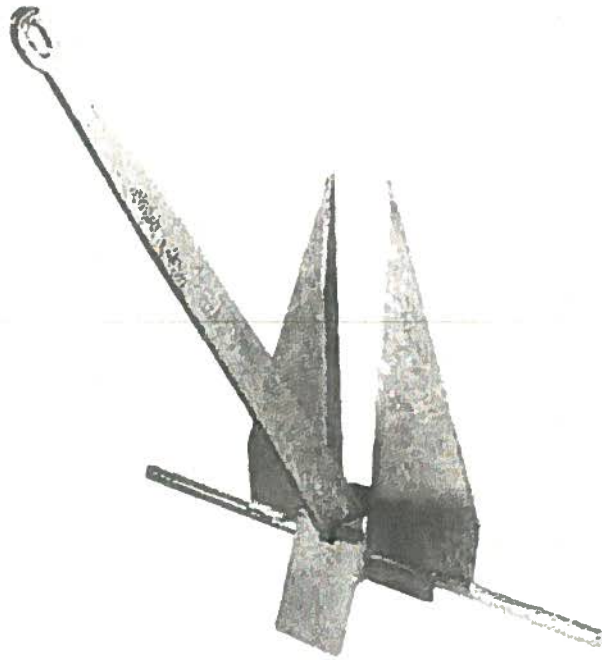
18' CENTER CONSOLE
PRIVATEER



(2) PERSONAL WATERCRAFTS



STERN ANCHOR

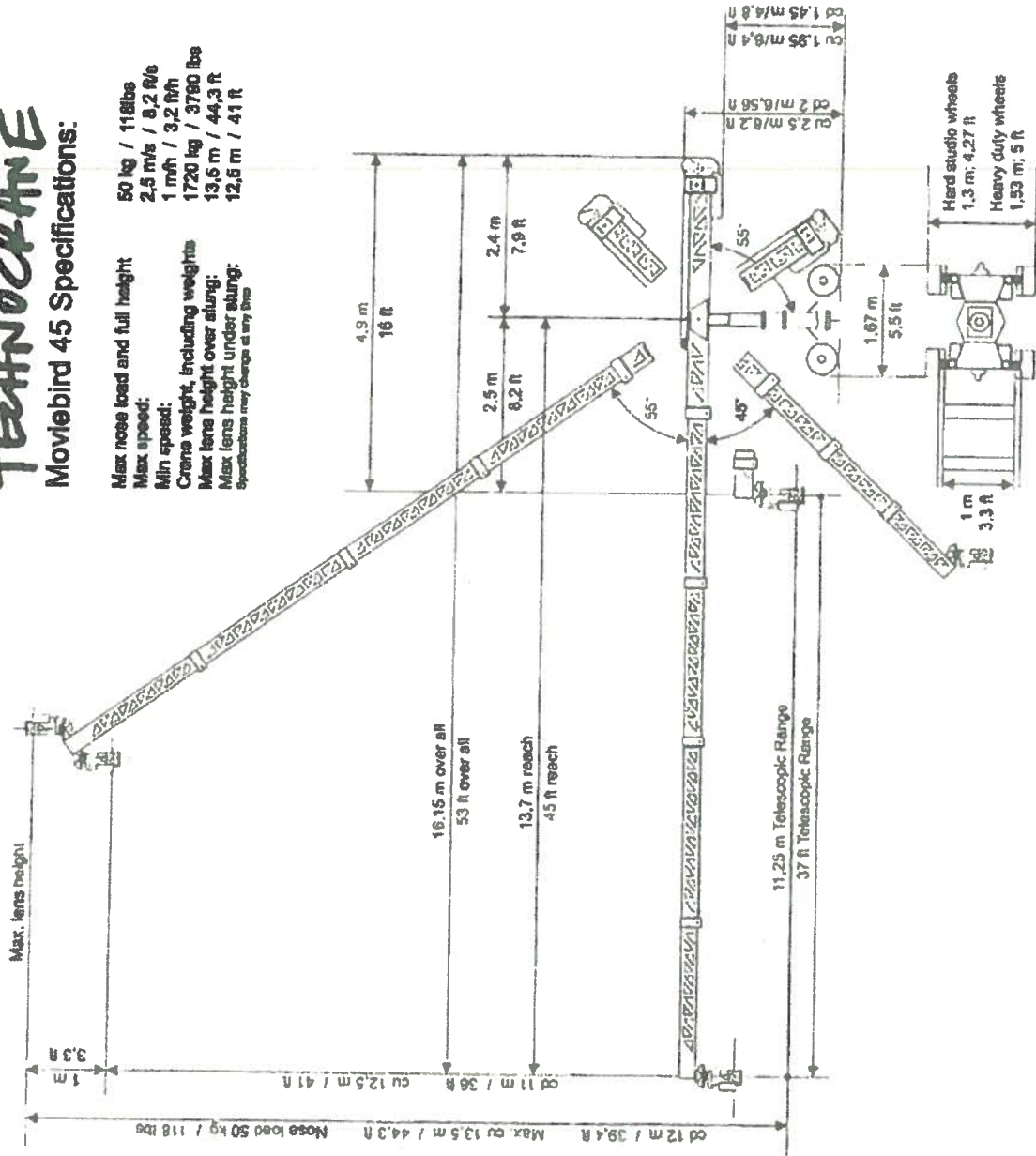


Model	"A"	"B"	"C"	Boat Size	Weight
94010	17-1/4 in.	13 in.	9 in.	10'	3.5 lbs
94011	19-1/2 in.	14-3/4 in.	10-1/2 in.	17'	5 lbs
94012	24 in.	18-1/4 in.	12 in.	27'	9 lbs
94013	28-1/4 in.	21-1/2 in.	14-1/4 in.	31'	14 lbs
94014	31-3/4 in.	24 in.	16-1/2 in.	36'	16 lbs
94015	35 in.	26-3/4 in.	19 in.	40'	25 lbs
94016	40-1/4 in.	31 in.	22 in.	45'	43 lbs
94017	50 in.	38 in.	26-1/2 in.	55'	70 lbs
94018	54 in.	41 in.	28-3/4 in.	60'	100 lbs

TECHNOCRANE

Moviebird 45 Specifications:

Max nose load and full height 50 kg / 118 lbs
 Max speed: 2.5 m/s / 8.2 fpm
 Min speed: 1 m/s / 3.2 fpm
 Crane weight, including weights 1720 kg / 3760 lbs
 Max lens height over all: 13.5 m / 44.3 ft
 Max lens height under alling: 12.5 m / 41 ft
Specifications may change at any time



MovieBird® 35 Technocrane

Overview

Specs

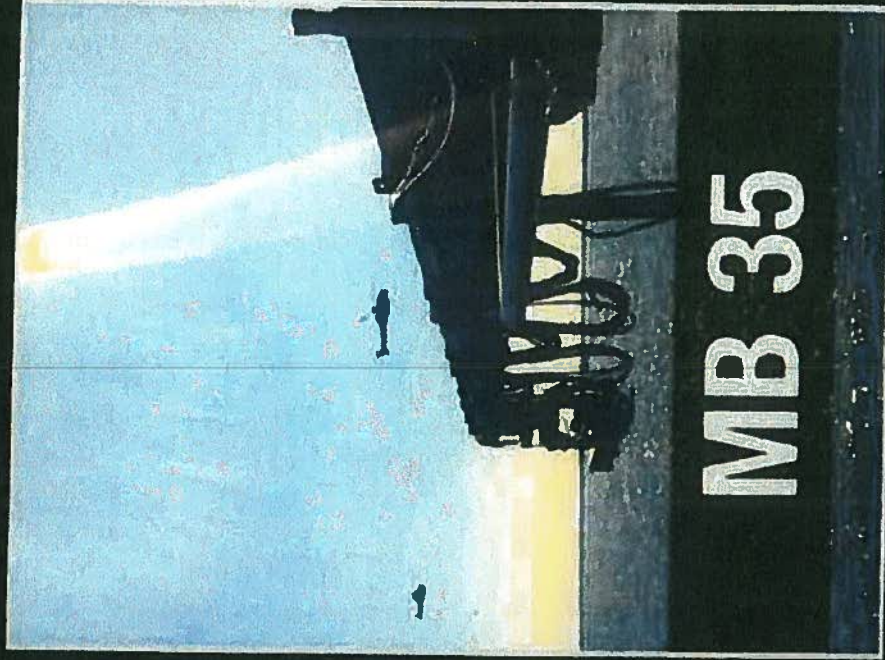
More

SPECIFICATIONS

- Max Load: 1000 lbs (450 kg) head and girder
- Max Allowable Weight: 2000 lbs (900 kg)
- Max Speed: 4.0 mps (13.1 fpm)
- Max Speed: 2.0 mps (6.6 fpm)
- Power Consumption: 3.5 amps Max
- Power Supply: 110V - 220V AC
- Specifications may change at any time
- Please contact us directly for your requirements at: info@moviebird.com

DOCUMENTATION

- [MovieBird 35 Overview](#)
- [MovieBird 35 Specs](#)



MB 35

1055

TELEHANDLER

- GRADE ALL

JLG

reaching out



Performance

Rated Capacity	10,000 lb	4,536 kg
Maximum Lift Height	55 ft	16.76 m
Load at Max Height	5,000 lb	2,268 kg
Maximum Forward Reach	42 ft	12.8 m
Load at Max Reach	3,000 lb	1,361 kg
Frame Leveling	10°	
Lift Speed (boom retracted)		
Up	14 sec	
Down	11 sec	
Boom Speed		
Extended	16 sec	
Retracted	15 sec	
Top Travel Speed (4-Speed)	20 mph	32 kph
Drawbar Pull (loaded)	25,400 lb	113 kN
Outside Turning Radius	14 ft	4.3 m
Operating Weight	31,559 lb	14,315 kg

Standard Specifications

Engine

Make and Model	Cummins QSF3.8L Tier 4 F	
No. of Cylinders	4	
Displacement	231.9 cu in.	3.8 L
Gross Power Basic	130 hp	96 kW
Maximum Torque @ 1500 rpm	360 lb-ft	488 Nm
Fuel Tank Capacity	38.3 gal	145 L

Transmission

Powershift 4-speed forward and 3-speed reverse.

Axles

Trunnion mounted planetary 55° steer axles. Integral steer cylinder. High bias limited slip differential on front axle.

Brakes

Service brakes are inboard wet disc brake on front and rear axles. Parking brakes are wet disc spring-applied hydraulic release on front axle.

Tires

Standard	400/75-28
Optional	Foam-Filled or Solid

Cab

- Certified ROPS/FOPS structure
- Horn
- Tilt & declutch on joystick
- Adjustable seat
- Single joystick controls
- Anti-theft

Steering 4-Wheel

Hydraulic power steering with manual backup. Operator selectable 4-wheel circle, 4-wheel crab, 2-wheel front

Instruments

- Volt meter
- Engine oil pressure gauge
- Fuel gauge
- Hourmeter
- Temperature gauge
- DEF gauge

Hydraulic System-Implement

Capacity	48.6 gal	184 L
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Load sense piston pump. Auxiliary hydraulics used for all attachments equipped with cylinders or other hydraulic components.

Accessories & Options

- Enclosed Cab
- Auxiliary Electrics
- Road Lights
- Air Conditioning
- Work Lights
- Rotating Beacon
- Hydraulic Coupler
- Fenders
- Brick Guards
- Arctic Package
- Multi-Function Display with Reversing Camera
- Ride Control
- Reverse Sensing System
- Boom Brushes
- Secondary Steering
- Wiper Package

Attachments

Standard Carriage	50 in. 60 in. 72 in.	1.3 m 1.5 m 1.8 m
Side-Tilt Carriage	50 in. 60 in. 72 in.	1.3 m 1.5 m 1.8 m
Swing 90° or 180° Carriage	72 in.	1.8 m
Dual Fork Positioning Carriage	50 in.	1.3 m
Side-Shift Carriage	50 in.	1.3 m
Tower	8 ft	2.4 m
Tower with Side Tilt	8 ft	2.4 m
Pallet Forks	2.36 in. x 4 in. x 48 in. 2.36 in. x 5 in. x 48 in. 2.00 in. x 6 in. x 72 in.	60 mm x 102 mm x 1.2 m 60 mm x 127 mm x 1.2 m 51 mm x 152 mm x 1.8 m
Lumber Forks	2.00 in. x 7 in. x 60 in. 2.36 in. x 6 in. x 60 in.	51 mm x 178 mm x 1.5 m 60 mm x 152 mm x 1.5 m
Cubing Forks	2 in. x 2 in. x 48 in.	51 mm x 51 mm x 1.2 m
Fork Extensions	90 in.	2.3 m
Material Bucket	72 in., 1.0 cu yd 96 in., 1.5 cu yd 102 in., 2.0 cu yd	1.8 m, 0.76 m³ 2.4 m, 1.15 m³ 2.6 m, 1.53 m³
Grapple Bucket	96 in., 1.75 cu yd	2.4 m, 1.34 m³
Truss Boom	3 ft (winch), 4,000 lb Capacity	0.9 m, 1,814 kg Capacity
Truss Boom	12 ft, 2,000 lb 15 ft, 2,000 lb 12 ft with winch, 2,000 lb	3.7 m, 907 kg 4.6 m, 907 kg 3.7 m, 907 kg
Fork Mounted Work Platform	8 ft, 6,000 lb Capacity	1.8 m, 2,722 kg Capacity
Pipe Grapple	72 in., 6,000 lb Capacity	2.4 m, 2,722 kg Capacity
Bucket-Fork Mounted	60 in., 1.3 cu yd	1.5 m, 1.0 m³
Material Handling Arm	4,000 lb Capacity	1,814 kg Capacity
Trash Hopper	72 in., 1.9 cu yd	1.8 m, 1.5 m³
Lifting Hook-Fork Mounted		
Lifting Hook-Coupler Mounted		

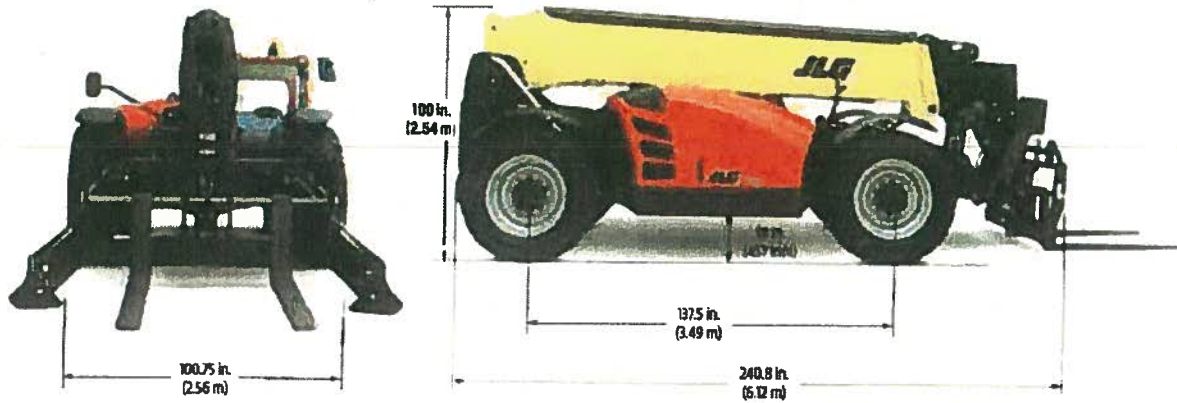
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TELEHANDLER

- GRADE ALL

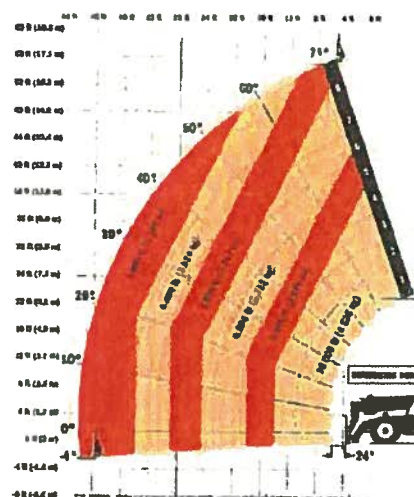
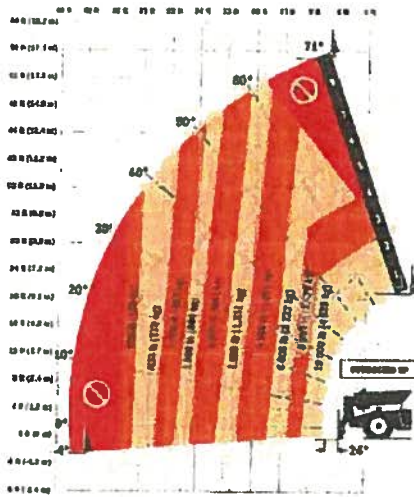
JLG
reachingout

Dimensions

All dimensions are approximate



Load Chart



The JLG "1 & 5" Warranty

JLG Industries, Inc. backs its products with its exclusive "1 & 5" Warranty. We provide coverage on all products for one (1) full year, and cover all specified major structural components for five (5) years. Due to continuous product improvements, we reserve the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds applicable OSHA Regulations in 29 CFR 1910.67, 29 CFR 1926.453, ANSI A92.5-2006, and CSA Standard CAN3-B354.2-M82, as originally manufactured for intended applications.

Part No. 3B2243
R0215
Printed in USA

JLG

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An Oshkosh Corporation Company

600 CRAWLER SERIES

TELESCOPIC BOOM LIFTS

- CONDOR

JLG
reaching out

Performance

Platform Height		
600SC	59 ft 5 in	18.11 m
660SJC	65 ft 7 in	19.99 m
Horizontal Outreach		
600SC	50 ft 3 in.	15.32 m
660SJC	57 ft 0.6 in.	17.39 m
Swing	360° Continuous	
Platform Capacity		
600SC Restricted/Unrestricted	1,000/600 lb	454/272 kg
660SJC Restricted/Unrestricted	750/550 lb	340/249 kg
Platform Rotator		
600SC	160° Hydraulic	
660SJC	180° Hydraulic	
Jib Range of Articulation		
660SJC Only	132°	+71, -61
Weight¹		
600SC	25,942 lb	11,767 kg
660SJC	29,339 lb	13,308 kg
Max. Ground Bearing Pressure		
600SC	5.45 psi	0.383 kg/cm ²
660SJC	6.5 psi	0.457 kg/cm ²
Drive Speed	1.6 mph	2.6 kmph
Gradeability	55%	
Turning Radius	Zero	
Type of Tracks	Steel	
Tracks Width	1 ft 7.7 in	0.5 m

¹ Certain options or country standards will increase weight.

Standard Specifications

Engine

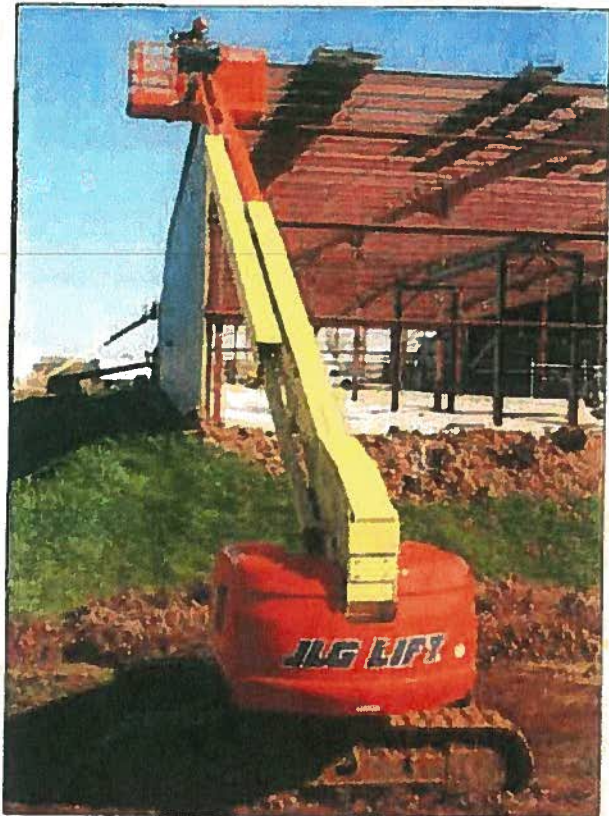
Diesel Engine, Deutz T32 9L4 Tier 4 Final	67 hp	50 kW
Fue. Tank Capacity	31 gal	117 L
Auxiliary Power	12V DC	

Hydraulic Reservoir

Capacity	34 gal	129 L
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Standard Features

- 36 x 96 in (0.91 x 2.44 m) Platform
- Customized Crawler Chassis
- Steel Link Tracks
- Inward Swing Gate
- 180 Degree Hydraulic Platform Rotator¹
- Platform Console Machine Status
- Light Panel²
- 110V-AC Receptacle in the Platform
- 5-degree Tilt Alarm/Indicator Light
- Swing-out Engine Module
- Gull-wing Engine Hood
- 12V-DC Auxiliary Power
- Proportional Controls
- Lifting/Tie Down Lugs
- Hourmeter
- Bolt-on Lifting Lugs
- Horn
- Motion Alarm
- Interactive Display at Ground Controls
- Control ADE System
- SkyGuard[®]



Accessories & Options

- 36 x 72 in (0.91 x 1.83 m) Platform
- Platform Work Lights
- Bolt-on Aluminum Mesh to Top Rail
- Light Package
- Flashing Amber Beacon
- Cold Weather Kit³
- Hostile Environment Kit⁴
- Arctic Package⁵
- Inward Self-closing Swing Gate
- Fall Arrest Platform 36 x 72 in (0.91 x 1.83 m)
- 1/2 in Air Line to Platform
- Soft Touch System
- AC Generator
- Special Hydraulic Oils (consult factory)
- Spark Arresting Muffler
- Operator Tool Tray
- Accessory Packages
 - SkyPower[®] Package
 - SkyWelder[®] Package
 - SkyGlazier[®] Package
 - Nite Bright[®] Package

¹ 180 degrees on 600SC.

² Provides indicator lights at platform control console for system distress, low fuel, 5-degree tilt light and foot switch status.

³ Includes engine block heater, battery heater and oil tank heater.

⁴ Includes console cover, boom wipers and cylinder bellows.

⁵ Includes arctic hydraulic hoses (drive and steer only) and main boom cable, arctic hydraulic oil, extreme cold engine oil, anti-freeze, fuel conditioner, engine block heater, battery blanket, glow plugs, hydraulic tank heater, and oversized footswitch.

600 CRAWLER SERIES

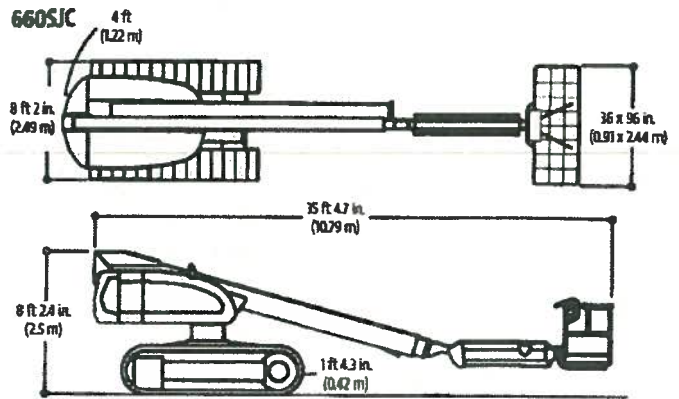
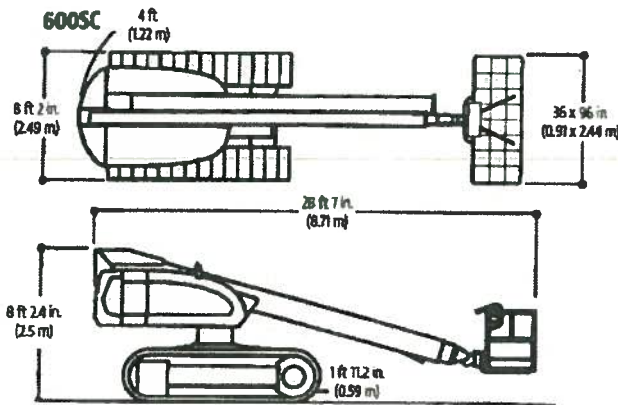
TELESCOPIC BOOM LIFTS

CONDOR

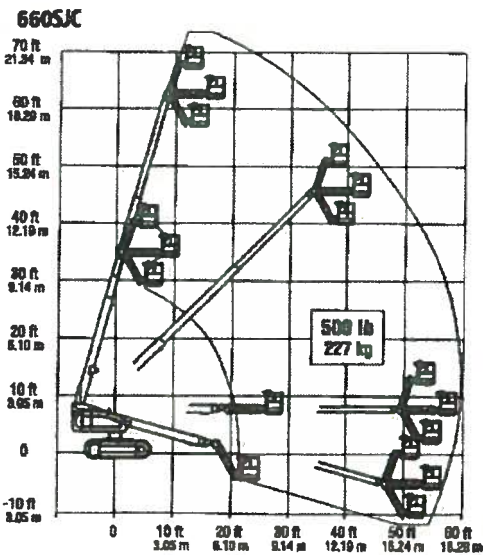
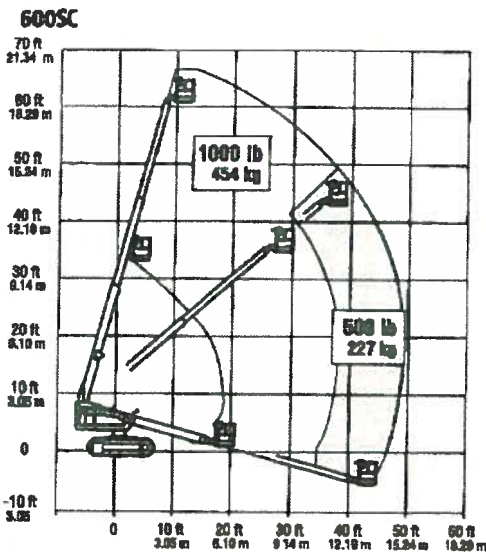
JLG
reaching out

Dimensions

All dimensions are approximate.



Reach Diagrams



The JLG "1 & 5" Warranty

We provide coverage for one (1) full year, and cover all specified major structural components for five (5) years. Due to continuous product improvements, we reserve the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds applicable ANSI and CSA requirements based on machine configuration as originally manufactured for intended applications. Please reference the serial number plate on the machine for additional information.

Part No. 3131016
ROT1802
Printed in USA

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An Oshkosh Corporation Company

V

KUBOTA 4WD DIESEL UTILITY VEHICLE

RTV-X Series

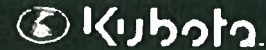
For Earth, For Life
Kubota



RTV-X Series

Specifications

RTV-X1140



Model			RTV-X1140 (with 400)	
Body color			Kubota Camo	
Engine			Kubota D1105-6140P2	
Make			Kubota	
Type			3-cylinder, 4-cycle, diesel, OHV	
Displacement			66.6 (1123)	
Horsepower**			24.0 (18.0@3000)	
Fuel tank capacity			7.0 (210)	
Transmission			Variable-Speed Transmission (VST-10)	
Max. Traveling speed			35 (km/h)	
Wheels, drive system			4WD	
Front differential lock			Limited-slip differential	
Rear differential lock			Full optional differential lock	
Steer selection			Full range forward, Neutral, Reverse	
Brakes			Wet-disk brake	
Front / Rear			Rear Wheel Drive optional	
Parking brake			Hydraulic power steering	
Steering			Dual-Hydraulic-independent suspension	
Suspension			Front / Rear	
Dimensions			Length	
			142.5 (564)	
			Width	
			63.2 (250)	
			Height overall	
			79.7 (313)	
			Front tread center	
			60.4 (1380) (HDWB & ATV)	
			Rear tread center	
			31.4 (1380) (HDWB & ATV)	
			Wheelbase	
			68.2 (268)	
			Ground clearance front/rear	
			11.3 (285) / 6.4 (245)	
			Turning radius	
			R (m)	
			17.1 (52)	
Towing capacity			600 (130)	
Payload capacity			600 (130)	
Curb weight			1830 (405)	
Cargo bed			2070 (455)	
Width			67.7 (140)	
Length / Short			91.1 (190) / 28.0 (60)	
Depth			11.2 (28)	
Volume			18.1 (0.51) / 5.9 (0.26)	
Bed height (no load)			35.4 (90)	
Load capacity			1102 (500) / 661 (300)	
Tires			Front	
			25-10-12 HDWB 6-PLY	
			25-10-12 ATV 6-PLY	
			Rear	
			25-10-12 HDWB 6-PLY	
			25-10-12 ATV 6-PLY	
Wheels			Steel / Alloy	
Hydraulic load lift			Optional on back lift / long bed model	
Spray-on Bed Liner			Opt	

*"Reebac" is a registered trademark of Jordan Outdoor Enterprises, Ltd.
 ** SAE J1985

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for accuracy and safety information. The values in "Ground clearance" and "Weight" are those of the vehicles equipped with flat tires in the table above. Data RTVs in this brochure are shown with optional accessories. For off-highway use only.



Barreiro, Deb

From: Sara Alread <saraalread@gmail.com>
Sent: Monday, March 05, 2018 5:56 PM
To: Barreiro, Deb
Cc: Ken Lavet; Carson, Mark
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map
Attachments: 60 Dock - EZ Dock.pdf; 03.26 GM - SANDBAR ISLAND - SEAPLANE 5.pdf

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Deb,

Thank you.

I've attached a new map with a estimated location for the floating docks. The 6 floating docks will be stabilized landward with stakes into the sand. They will be stabilized seaward with stern anchors. I've attached the spec sheet from their website. They will be installed the day of filming, currently scheduled for Monday, March 26, and removed at the end of the day. We will transport them by land from the 19th Street beach access.

In addition to our filming day, we are requesting to do a blocking rehearsal with our "hero" boat. The seaplane will not be needed for the rehearsal. We would like to do this on Saturday, March 24. Production is requesting to anchor our "hero" boat to the shoreline throughout the course of the day and we are requesting 4 of our floating docks to be anchored with the boat. We will transport them by land from the 19th Street beach access.

I called Mark Carson & Bob Lynn's office after we spoke. Both are out in meetings this week. I then connected with Sgt. Cindy Miller and discussed our request. I can fill out a new Marine Event permit or adjust the original, whichever is preferred.

Thank you,
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Mar 5, 2018, at 3:27 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

thanks for the call to discuss the additional impacts associated with the proposed scene on the beach.
as discussed,
please forward the information we discussed and an additional map (if needed).
remember to include the float dimensions, how the floats will be delivered to the set, placed in the water,
anchored and then removed after the shoot.

also,
if we need to amend the date,
make that part of the request, too.

and as we discussed,
please reach out to Law Enforcement to as it the Marine Event Permit must be modified too.
I copied them on this email so that we are all on the same page.

thanks
db

From: Sara Alread [<mailto:saraalread@gmail.com>]
Sent: Friday, March 02, 2018 11:44 AM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Deb,

I just found out today that when we are at Tybee Island, we would like up to 6 floating docks (10 ft x 6 ft each) to be anchored next to our hero boat and seaplane on the tide line. Please call, text, or email with questions or concerns.

Thank you,
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:50 PM, Sara Alread <saraalread@gmail.com> wrote:

Thank you for helping to get this processed!

Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:49 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

thanks so very much for the quick turnaround.

the document has been forwarded to senior management and it is our hope that one of three potential scenarios will be executed and move forward today.

I will follow up with you as soon as I hear more.

thank you both for your quick response to our requests and for giving us an opportunity to make things happen on our end.

From: Sara Alread [<mailto:saraalread@gmail.com>]
Sent: Wednesday, February 28, 2018 2:33 PM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Re: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Revised.

Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

On Feb 28, 2018, at 2:11 PM, Barreiro, Deb <Deb.Barreiro@dnr.ga.gov> wrote:

see attached edits & suggestions

CALL

From: Sara Alread [<mailto:saraalread@gmail.com>]
Sent: Wednesday, February 28, 2018 1:23 PM
To: Barreiro, Deb <Deb.Barreiro@dnr.ga.gov>
Cc: Ken Lavet <kdlavet@gmail.com>
Subject: Gemini Man - Tybee Island - Seaplane Landing Map

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Here is the seaplane landing map for Tybee filming.
Please let me know if I need to make adjustments.

Thank you!
Sara Alread
Assistant Location Manager
"Gemini Man"
912-399-1445

<20180228140013.pdf>

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