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B...
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DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

Handwritten: EUSA 10-036

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REPLY TO
ATTENTION OF:

MAY 21 2010

Operations Division
Western Evaluation Section

SUBJECT: MVN 2010-1041 WB
General Permit NOD-20

Greater Lafourche Parish Government
ATTN: Chett Chiasson
16829 East Main Street
Post Office Box 490
Galliano, Louisiana 70354

FILE

Dear Mr. Chiasson:

Receipt is acknowledged of your letter dated May 20, 2010, requesting authority to install HESCO Baskets being placed along sections of beach situated between Fourcheon and Grand Isle area in Lafourche/Jefferson Parishes to prevent oil encroachment into interior marshes that resulted from the BP Oil spill Deepwater Horizon.

The proposed work is permitted under authority of General Permit NOD-20. This approval to perform work is valid for 5 years from the date of this letter. This authorization does not eliminate the need to obtain a Louisiana Coastal Use Permit or any other federal, state, or local approval, that may be required by law.

The following special conditions are made part of this authorization:

All construction activities should be temporary in nature and conducted on the gulfside of the baskets and the area landward of the HESCO baskets should be designated as a no-work zone.

All vehicular traffic should prohibited landward of the HESCO baskets.

All construction activities should be conducted in a manner to avoid impacting resident flora and fauna communities to maximum extent practicable. Guidance should be requested from appropriate state or federal agencies when working in close proximity to rookerie and/or nesting areas.

The opinion has been made on the basis of information provided by your letter. If it is later established that you furnished erroneous data, you may be directed to alter or modify your plans,

Handwritten signatures and initials:
THD
Duke
OD-20
THD
for Semi
OD-20

to remove structures you have installed, and/or to restore the work area pre-project conditions at your own expense. If it is established that you knowingly furnished erroneous data, you could also be subject to legal action.

The New Orleans District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete and return the attached Customer Service Survey or go to the survey found on our web site at <http://per2.nwp.usace.army.mil/survey.html>.

The drawings submitted with your letter are attached hereto and made a part of the record.

Sincerely,

Pete J. Serio
Chief, Regulatory Branch

See page 3 for copies furnished:

U.S. Fish & Wildlife Service
646 Cajundome Blvd., Suite 400
Lafayette, Louisiana 70506

Area Supervisor
National Marine Fisheries Service
c/o LSU Center for Wetland Resources
Baton Rouge, Louisiana 70803-7535

U.S. Environmental Protection Agency
Federal Activities Branch (6E-FT)
1445 Ross Avenue
Dallas, Texas 75202-2733

Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, Louisiana 70821-4313

Louisiana Department of Natural Resources
Coastal Management Division
Post Office Box 44487
Baton Rouge, Louisiana 70804-4487

State Historic Preservation Office
Post Office Box 44247
Baton Rouge, Louisiana 70804-4247

Louisiana Department of Wildlife and Fisheries
Ecological Studies Section
Post Office Box 98000
Baton Rouge, Louisiana 70898-9000

U.S. Coast Guard
The Commander
Eighth Coast Guard District (OAN)
501 Magazine Street
New Orleans, Louisiana 70130-3396



05/17/2010

Possible HESCO Site A
1.0 MILES

ALL M.

M. CHINA

Legend

 Proposed HESCO Basket Placement Area



Caminada

Elmer's Is.



Closed with
Rip Rap & Sand 5/18/2010

Possible
HESCO SITE "A"
1.0 MILES

Long 90.17945
Lat 29.11075

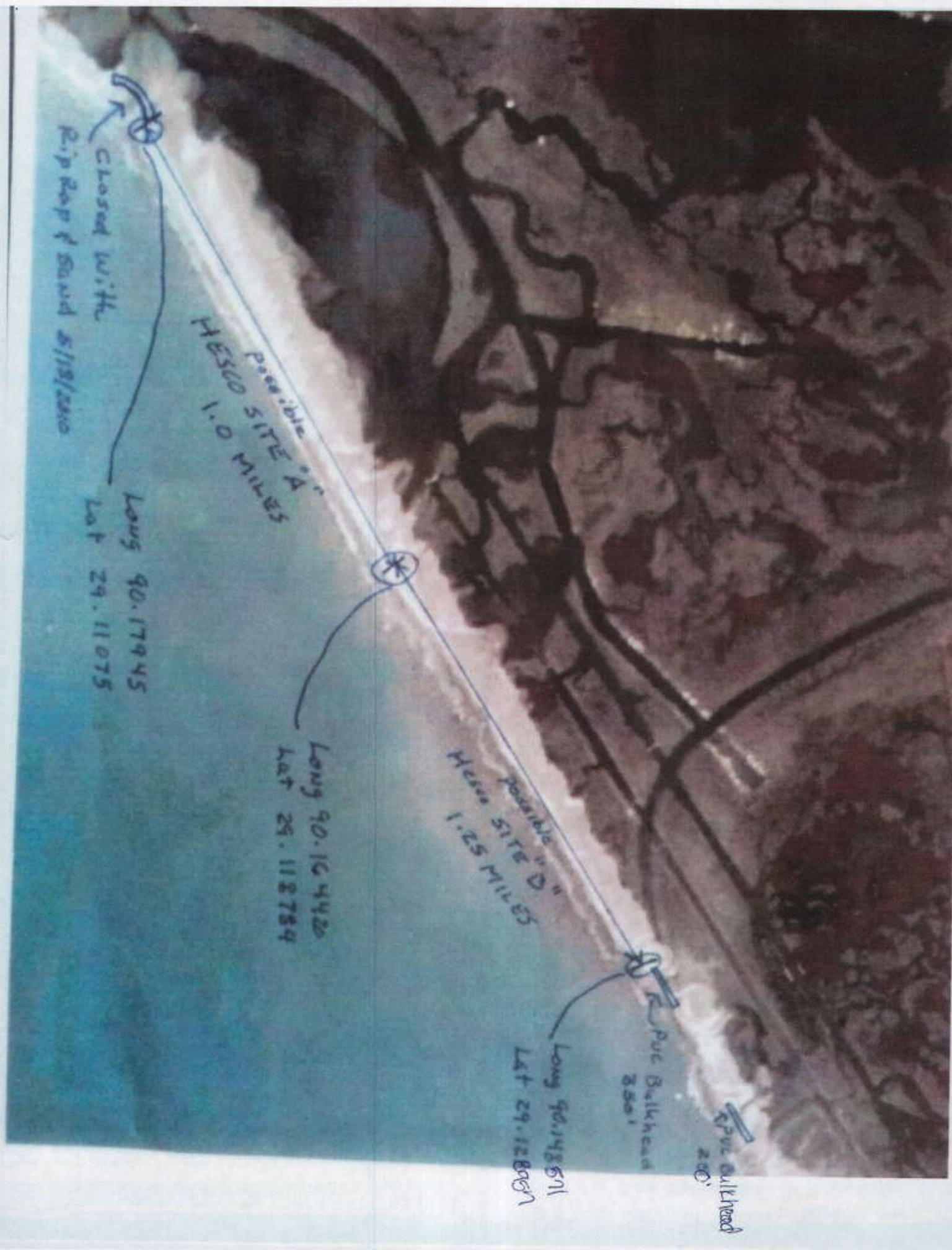
Long 90.16442
Lat 29.118784

Possible
Hesco SITE "D"
1.25 MILES

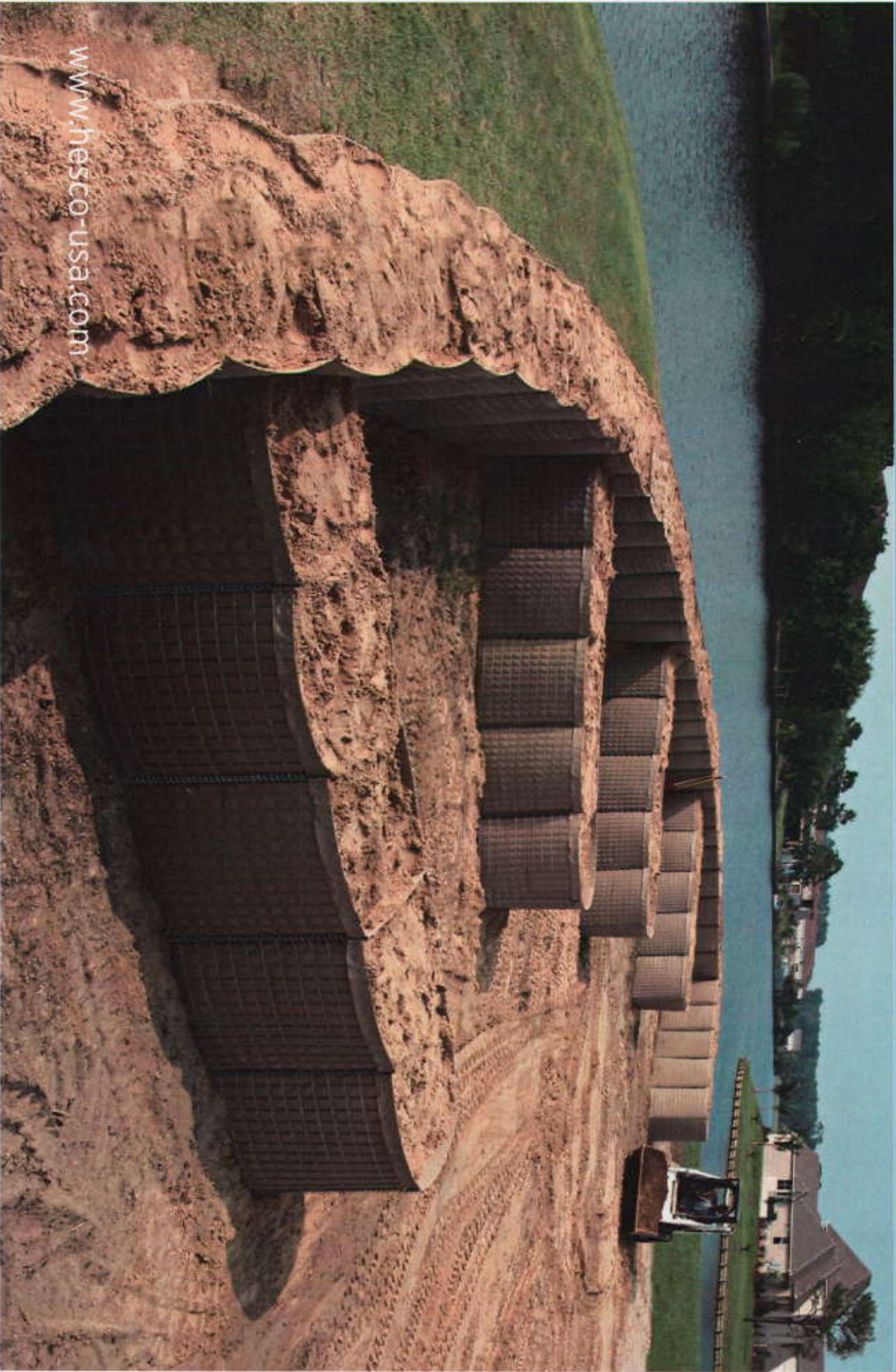
Long 90.14851
Lat 29.128091

Rip Rap Bulkhead
350'

Rip Rap Bulkhead
200'

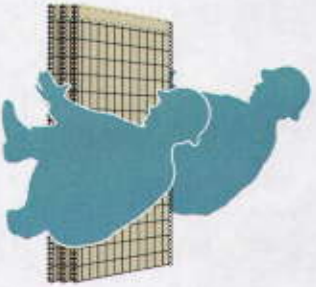


Concertainer units basic construction

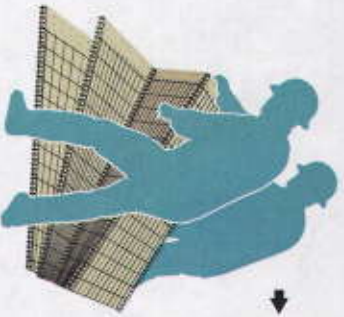


www.hesco-usa.com

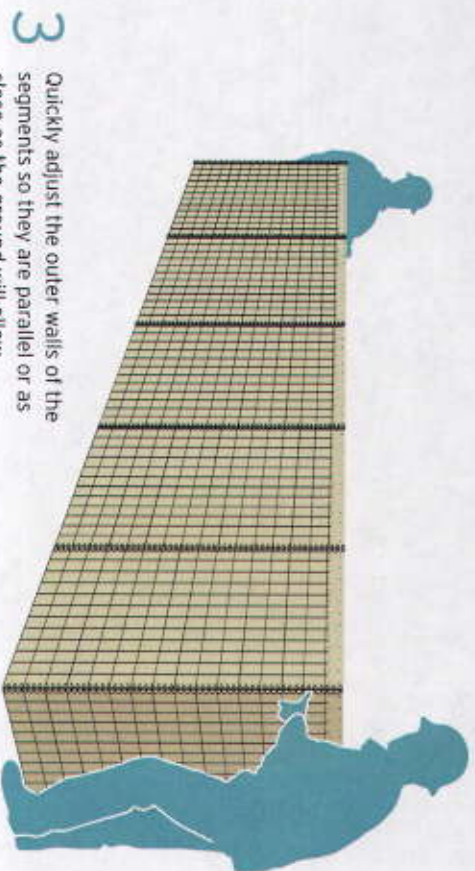
Concertainer unit assembly



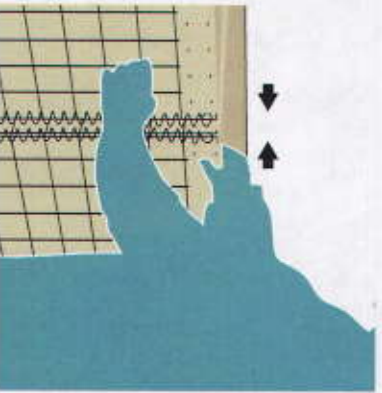
1 Place a HESCO® Concertainer® unit on the ground horizontally with the stapled, geotextile top pointing away from the direction the wall is to be erected.



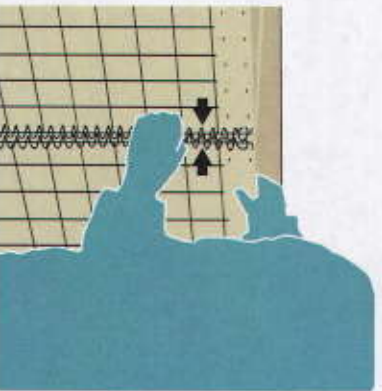
2 Two men each grasp the end panel and together move in the desired direction. The unit will unfold from the horizontal to the vertical and be self supporting. Pull the unit out to its full length. Ensure it is in the correct position.



3 Quickly adjust the outer walls of the segments so they are parallel or as close as the ground will allow. Ensure the flaps at the base of each cell are tucked in.



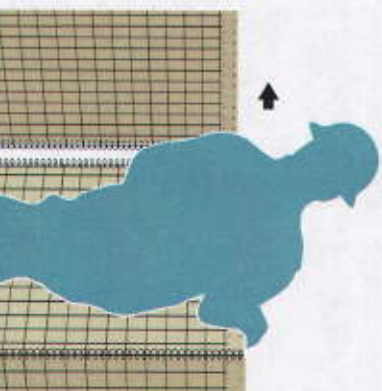
4 Butt together the two unfilled units to be joined.



5 Pull the corner coils of both units together until they overlap.



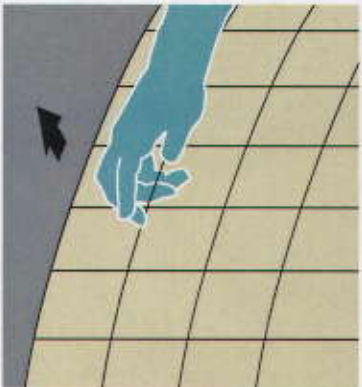
6 Insert a joining pin down the center of the overlapped coils, thus joining them together.



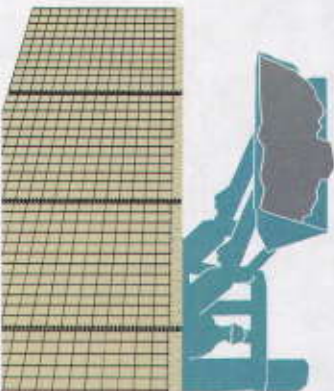
7 Make any joints/extensions required **before** filling the unit. You will not be able to join additional units once the end cells are full.



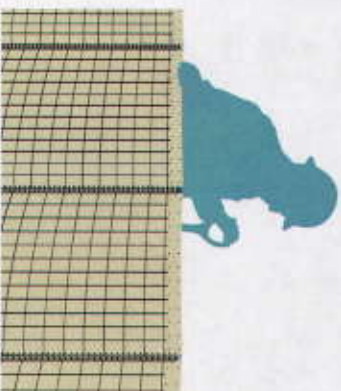
1 Place 6" of fill material in the bottom of each end cell either manually, or using appropriate loading equipment such as a front loader. Ensure fill material is always placed in the center of each cell.



2 It is important that the center of each side panel is pulled out 3" - 4" after the first 6" of fill material is placed in a cell. The side panels of cells are designed to bow as fill is added.

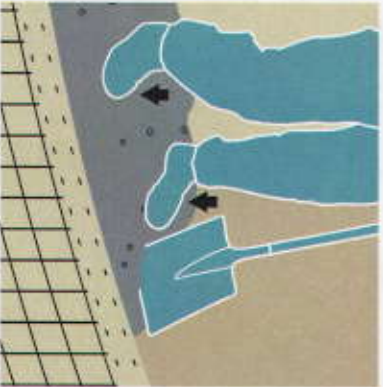


3 Continue to place 6" of fill in all other cells (see also 6).

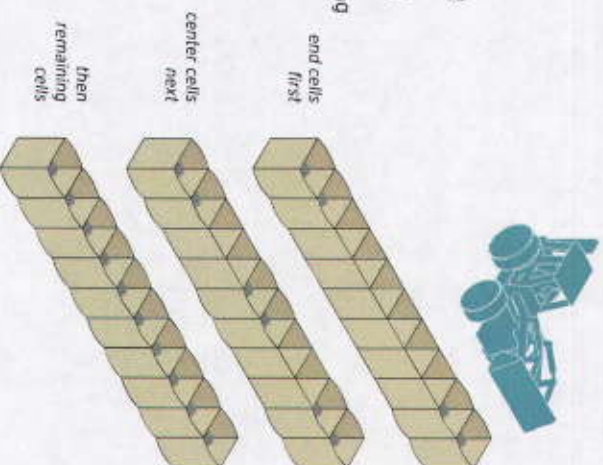


4 It is important that cells are filled evenly, otherwise the side walls are pulled in reducing the width of protection (no cell should have more than 12" of material than its adjacent).

5 Each layer of fill should be evenly distributed and then manually compacted before placing the next. Gravel, sand, crushed rock or graded aggregate are the most suitable fill materials. Only as a last resort should the unit be filled with organic soil or clay as this may lead to instability.

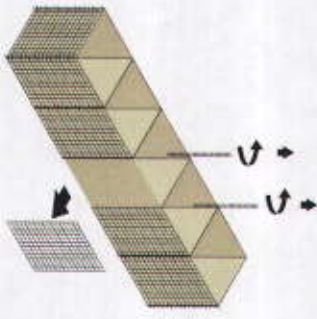
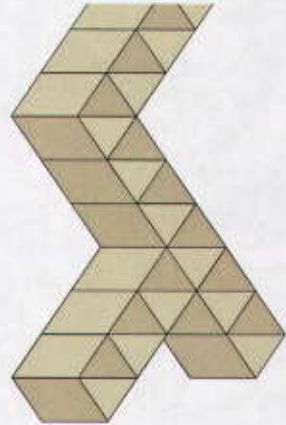


6 The first layer fill should commence with the end cells, followed by the center cells and finally the remaining cells. The remaining fill layers for the wall are filled starting at one end through to the other, distributing and compacting each layer.



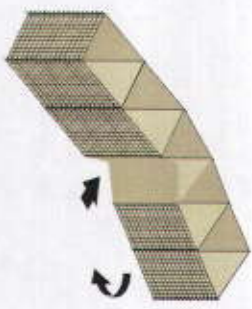
Right angled

Simple, right angled joins and junctures are shown right. Where a right angled corner is required join two units at 90 degrees by meshing the coils and inserting the joining pins, as previously described in points 4, 5 and 6 of Concentrainer unit assembly at the start.



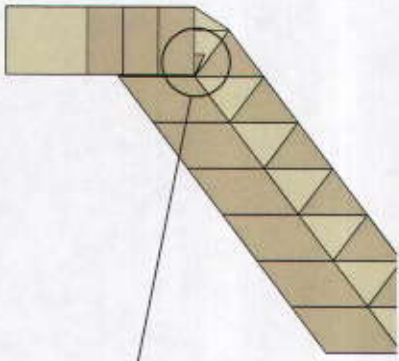
Angled

Angled corners can be created by 'triangulating' the cell where you want the joined units to turn.

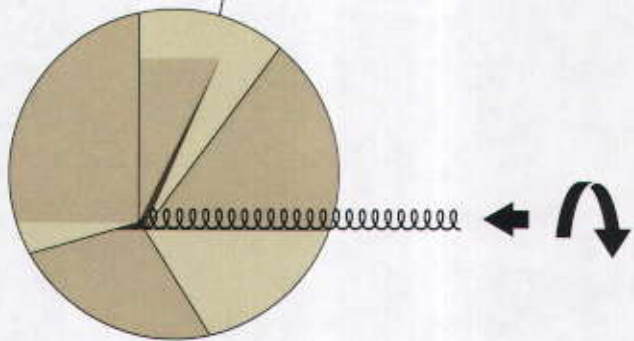


- Start by removing the two coils from the panel on the inside of the turn. You will need to open the top and bottom ends of the coils with a multi-tool, to facilitate this. The coils unwind anti-clockwise.
- Remove the welded mesh panel.

- Begin turning in the end cells to change direction, folding in the geotextile as you do so.
- Continue the turn until the end cells until the cell you are folding is triangulated. Ensure that the two internal panels and the open ended side panels all meet at the apex.



- Holding all four panel ends together at the apex, rewind in one of the coils removed at the first step of the process.
 - Ensure the coil ends are re-closed using the multi-tool, to prevent the coil unwinding.
- Your angled corner is complete and more units can be added to continue in the new direction.



70 man hours

To react effectively to emergency situations, speed and efficiency are of paramount importance. The innovative design of the Concertainer unit makes them quick and easy to transport and deploy without the need for trained labor or specialized equipment.

Unlike sandbags, the units can be filled and positioned using minimal manpower, a standard bucket loader and almost any locally available material including sand, gravel, rocks, soil and concrete. The units can be stacked and joined to provide structures designed to meet a specific threat and required level of protection.

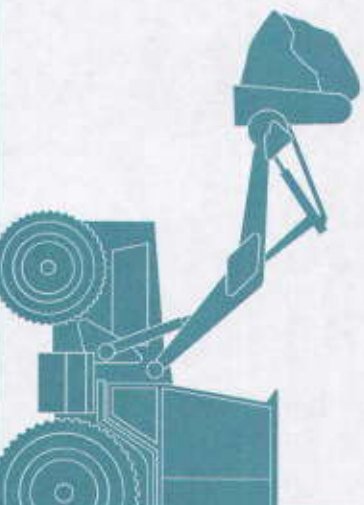
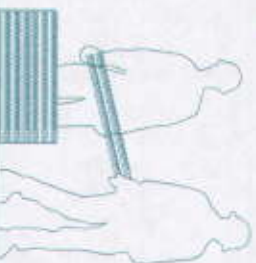
A typical wall of Concertainer units, equivalent to 1500 sandbags, can be erected and installed by two men using a standard front loader in just 20 minutes. A similar wall made with sandbags would take ten men around seven hours to build.

20 minutes

When empty, Concertainer units are compact and relatively lightweight, which makes them well suited for use where site access is limited. If necessary, each empty Concertainer unit can be manhandled into position before being erected and filled.

Walls and protective barricades can be built very quickly, with little need for complex job planning or deliveries of secondary materials. The system is ideal for the widest range of civil and military engineering installations, yet its use is cost effective, practical and highly efficient.

Seven hours and ten men, or 20 minutes and two men? The answer is clear.



Technical specification sheet

Concertainer® units



A geotextile lined unit for general use as an earth filled gabion, the units are suitable for filling with earth, sand, gravel, crushed rock and other granular materials. The units are suitable for a wide range of uses, including the construction of walls and barriers, flood protection, erosion protection, protection against accidental explosions and Homeland Security applications.

General specifications

Geotextile lined welded wire fabric gabion to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Welded wire mesh

Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²

Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength

Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹ Wire diameter is nominal

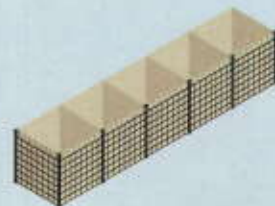
Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
Grab Elongation (Cross Direction)	ASTM D 4632	55%
CBR Burst	ASTM D 6241	450lbs
Cone Drop Test	EN 918	24mm
Endurance Resistance		
UV Resistance (% retained after 500hrs)	ASTM D 4355	70%
Chemical Resistance	EN 14030	80%
Oxidation Resistance	EN 13438	80%
Hydraulic Properties		
Apparent Opening Size	ASTM D 4751	70 US Std. Sieve
Permittivity	ASTM D 4491	1.30sec ¹
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



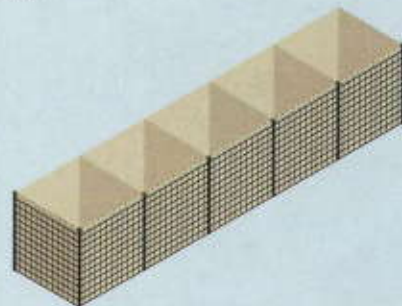
C-2210

H-2' W-2' L-10' (5 cells)



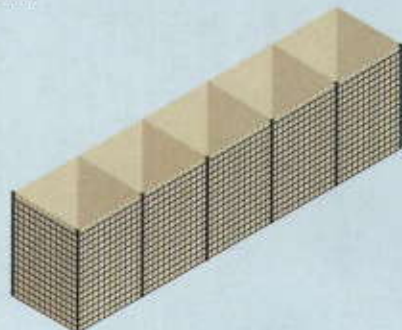
C-3315

H-3' W-3' L-15' (5 cells)



C-4315

H-4' W-3' L-15' (5 cells)



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

EPT/SS/103/10/FEB09

HESCO Bastion USA 47152 Conrad E. Anderson Drive, Hammond, LA 70401
Email: info@hesco-usa.com Web: www.hesco-usa.com

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Floodline™ units

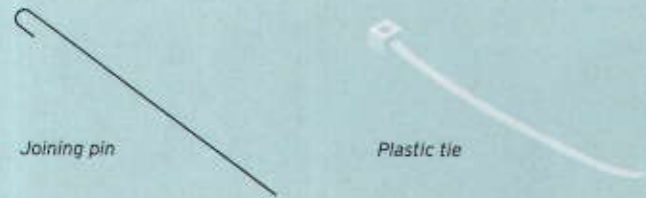


A geotextile lined unit for use in flood protection applications. The design of these units reduces permeability of the wall when filled. Floodline units are designed for easy removal. Suitable for filling with earth, sand, or well graded gravel. Floodline units may also be used in other applications.

General specifications

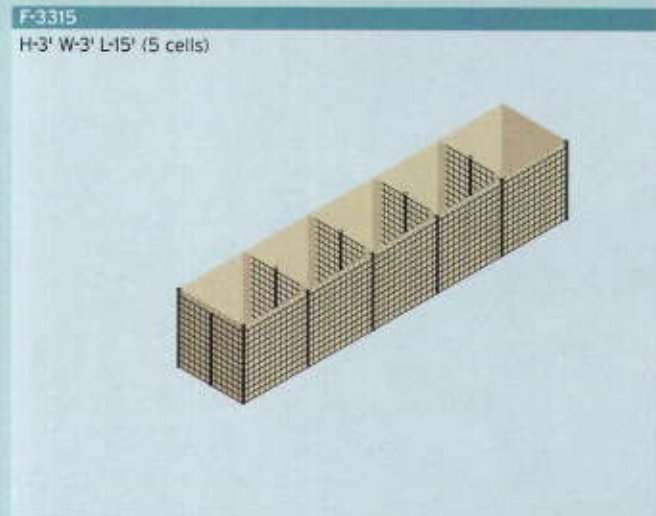
Geotextile lined welded wire fabric gabion to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.

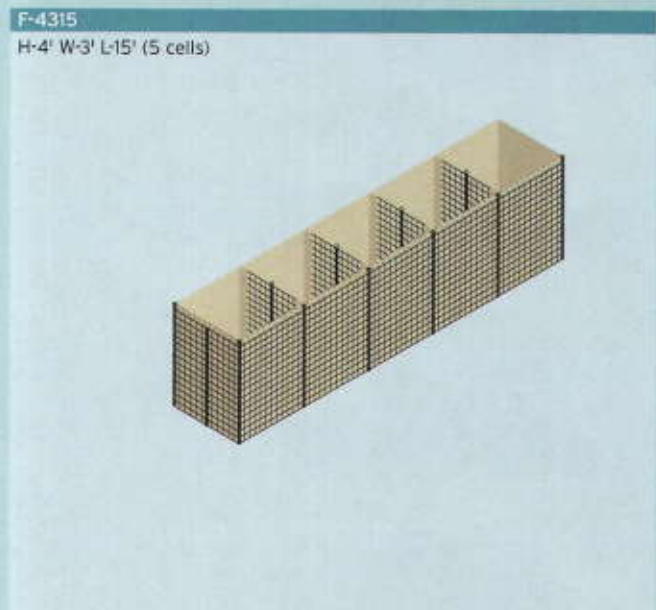


Welded wire mesh	
Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²
Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	Limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength
Panels	
Squareness	In 4' diagonals shall not vary by more than 5/8"
Flatness	In 6' not more than 2" from plane

¹ Wire diameter is nominal



Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
Grab Elongation (Cross Direction)	ASTM D 4632	55%
CBR Burst	ASTM D 6241	450lbs
Cone Drop Test	EN 918	24mm
Endurance Resistance		
UV Resistance (% retained after 500hrs)	ASTM D 4355	70%
Chemical Resistance	EN 14030	80%
Oxidation Resistance	EN 13438	80%
Hydraulic Properties		
Apparent Opening Size	ASTM D 4751	70 US Std. Sieve
Permittivity	ASTM D 4491	1.30sec ²
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

Technical specification sheet

Rockface™ unit - RF-3315



A geotextile lined unit with 1' wide unlined front section. The geotextile lined rear section allows the use of more economical fill such as earth, sand or gravel to be used.

General specifications

Geotextile lined welded wire fabric gabion with unlined front section to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Lids and bases are supplied with all Rockface units. Lids and bases are pre-fitted to the units at the factory. Lacing wire and coils are supplied to close lids and bases on site.

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



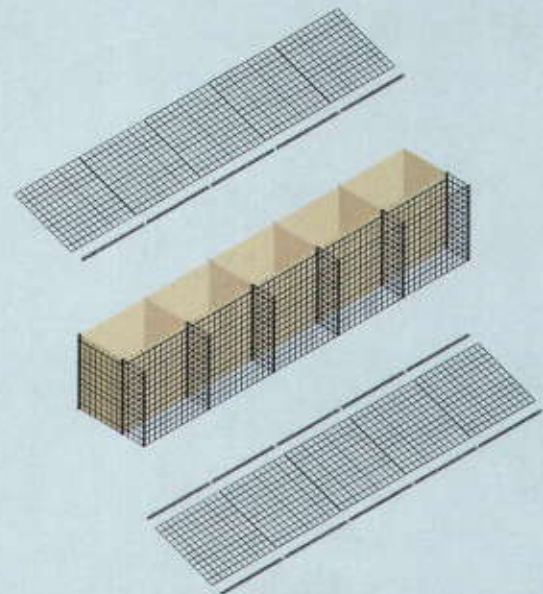
Welded wire mesh

Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²
Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength
Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹ Wire diameter is nominal

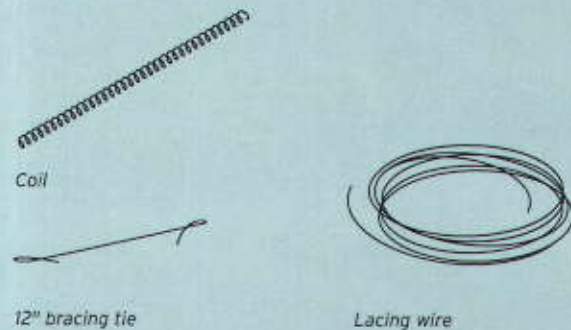
RF-3315

H-3' W-3' L-15' (5 cells)



Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
Grab Elongation (Cross Direction)	ASTM D 4632	55%
CBR Burst	ASTM D 6241	450lbs
Cone Drop Test	EN 918	24mm
Endurance Resistance		
UV Resistance (% retained after 500hrs)	ASTM D 4355	70%
Chemical Resistance	EN 14030	80%
Oxidation Resistance	EN 13438	80%
Hydraulic Properties		
Apparent Opening Size	ASTM D 4751	70 US Std. Sieve
Permittivity	ASTM D 4491	1.30sec ⁻¹
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²

Coils are supplied to close all bases. 12" bracing ties are supplied for the rock fill insert. Lacing wire is supplied to close all lids and to join courses on site.



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

EP/TSS/103/1.0/FE809

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Unlined Concertainer unit for general use as a welded wire fabric gabion.

General specifications

Welded wire fabric gabion to ASTM A 974-97.

Lids and bases are supplied with all Rockbox units. Lids and bases are pre-fitted to the units at the factory. Coils are supplied to close lids and bases on site.

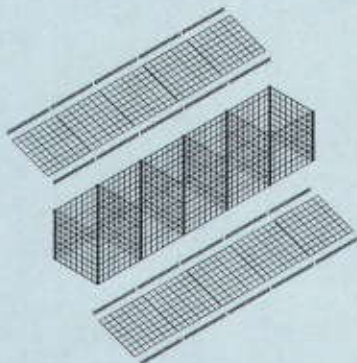
Welded wire mesh

Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²
Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength
Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹Wire diameter is nominal

2' high units

RB-2210 H-2' W-2' L-10' (5 cells)



RB-224 H-2' W-2' L-4' (2 cell)



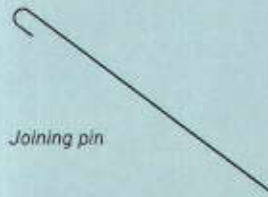
RB-226 H-2' W-2' L-6' (3 cell)



RB-228 H-2' W-2' L-8' (4 cell)



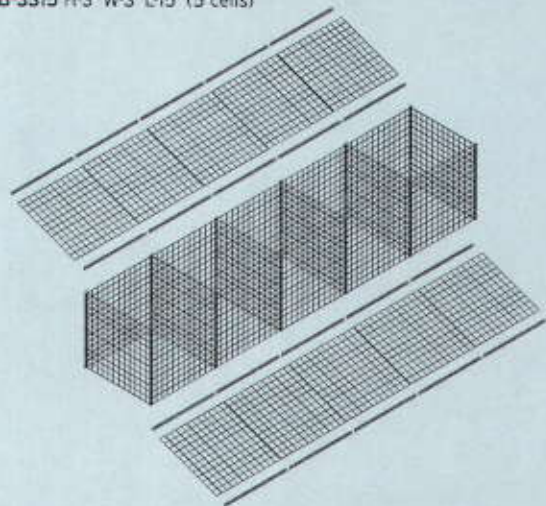
Joining pins are supplied to join units together.



Joining pin

3' high units

RB-3315 H-3' W-3' L-15' (5 cells)



RB-336 H-3' W-3' L-6' (2 cell)



RB-339 H-3' W-3' L-9' (3 cell)



RB-3312 H-3' W-3' L-12' (4 cell)



Coils are supplied to close all lids and bases. 17 1/2" bracing ties are supplied. Lacing wire is supplied to join courses on site.



Coil



17 1/2" bracing tie



Lacing wire

The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

Duke, Ronnie W MVN

From: Antoinette DeBosier [Antoinette.DeBosier@LA.GOV]
Sent: Thursday, May 20, 2010 8:34 AM
To: Duke, Ronnie W MVN
Subject: HESCO

PLEASE CALL ME ASAP
[REDACTED]

Herman, Darlene C MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 9:25 AM
To: Herman, Darlene C MVN
Subject: FW: HESCO baskets

For your information!!!

-----Original Message-----

From: Antoinette DeBosier [mailto:Antoinette.DeBosier@LA.GOV]
Sent: Thursday, May 20, 2010 8:48 AM
To: Duke, Ronnie W MVN; Karl Morgan
Cc: Jerome Zeringue; Louis Buatt; Stephen Chustz (DNR)
Subject: RE: HESCO baskets

correction:
Lafourche Parish will be the applicant

Ronnie, Karl,
We need the written authorization letter before we can notify the National Guard to move on placement of baskets. Please let me know via email if we have authorization to proceed. Thank you,
Toni

From: Antoinette DeBosier
Sent: Thursday, May 20, 2010 8:04 AM
To: Duke, Ronnie W MVN
Cc: Jerome Zeringue; Louis Buatt; Stephen Chustz (DNR); Karl Morgan
Subject: HESCO baskets

Good Morning Ronnie:
I spoke with Darrell this morning and he told me that you will be handling the EUA letter for the HESCO mission in Lafourche Parish. The information I have so far (aside from attachments) is:
Applicant: Lafourche Parish
POC: Jerome Zeringue
Sand Source: Mississippi River sands hauled in by truck
Equipment: Mechanical blade to shave sand 1-foot or less in order to level ground where baskets will be placed. All trucks and equipment will work and travel on beach front. No activities will take place in the marsh.

AUTHORIZATION TO PROCEED HAS MOVED TO CRITICAL STATUS-OIL IS NOW HITTING FOURCHON BEACH. THOUGH LOCATION MAPS ARE ATTACHED, WE ARE ASKING FOR A BROADER REACH, AS BASKETS MAY BE NEEDED FARTHER WEST TO PROTECT BREACHES THAT HAVE NOT BEEN CLOSED WITH SAND YET.

Your immediate attention is appreciated.
Thanks you,
Toni

Duke, Ronnie W MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 2:56 PM
To: 'Antoinette DeBosier'
Subject: RE: HESCO baskets

Please be advised that the Corps is granting "Emergency Authorization" for temporary placement of hesco baskets within the beach area located between Fourcheon and Grand Isle in accordance with submitted drawings and conditions as stated below. A hard copy of the NOD-20 authorization will be sent out as soon as possible.

-----Original Message-----

From: Antoinette DeBosier [mailto:Antoinette.DeBosier@LA.GOV]
Sent: Thursday, May 20, 2010 2:44 PM
To: Antoinette DeBosier; Duke, Ronnie W MVN
Cc: Jerome Zeringue; Louis Buatt; Stephen Chustz (DNR); Karl Morgan; Edwin.M.Stanton@uscg.mil; Patrick Courreges; la2tsnws1
Subject: RE: HESCO baskets

Ronnie,

As I understand it, the USACE is granting authorization to proceed with the TEMPORARY placement of HESCO baskets, seaward of line of breaches along Port Fourchon beach, Lafourche Parish, with the condition that no tracking or work take place in the vegetative zone and the sand source come from off site.

I have been notified of two corrections on the previous information given:

Applicant is the Greater Lafourche Port Commission

16829 East Main Street

Galliano, LA, 70354

Contact: Chett Chaisson, Executive Director Phone [REDACTED] Please respond by email with your approval.

Thanks so much,

Toni

From: Antoinette DeBosier
Sent: Thursday, May 20, 2010 8:04 AM
To: Duke, Ronnie W MVN
Cc: Jerome Zeringue; Louis Buatt; Stephen Chustz (DNR); Karl Morgan
Subject: HESCO baskets

Good Morning Ronnie:

I spoke with Darrell this morning and he told me that you will be handling the EUA letter for the HESCO mission in Lafourche Parish. The information I have so far (aside from attachments) is:

Applicant: Office of Coastal Protection and Restoration (OCPR)

POC: Jerome Zeringue

Sand Source: Mississippi River sands hauled in by truck

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Your immediate attention is appreciated.

Thanks you,

Toni

Herman, Darlene C MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 8:05 AM
To: Herman, Darlene C MVN
Subject: FW: HESCO Technical Documents

Attachments: HESCO_techsheets.pdf; HBUSA_handout_04_09.pdf; HESCO_MAP4.pdf



HESCO_techsheets.pdf (495 KB) HBUSA_handout_04_09.pdf (1 MB)... HESCO_MAP4.pdf (504 KB)

For your information!!!

-----Original Message-----

From: Barbara, Darrell MVN
Sent: Thursday, May 20, 2010 6:41 AM
To: Duke, Ronnie W MVN
Subject: FW: HESCO Technical Documents

Ronnie, is this for you. Toni sent it to me, but it is in Lafourche.

-----Original Message-----

From: Antoinette DeBosier [mailto:Antoinette.DeBosier@LA.GOV]
Sent: Wednesday, May 19, 2010 3:52 PM
To: Barbara, Darrell MVN; Joseph "Jay" Pecot; Karl Morgan
Cc: Louis Buatt; Stephen Chustz (DNR)
Subject: FW: HESCO Technical Documents

Gentlemen,
attached is the rest of the information on the HESCO basket mission for Lafourche Parish. I believe this could be added to the sandbag...request as Darrell suggested. Let me know if you need anything else.
Thanks so much for the support.
Toni

From: Jerome Zeringue
Sent: Wednesday, May 19, 2010 1:30 PM
To: Antoinette DeBosier
Subject: FW: HESCO Technical Documents

Jerome Zeringue
Deputy Director

450 Laurel Street, Baton Rouge, LA 70801
[REDACTED] (Phone)
[REDACTED] (Fax)
jzee@la.gov (Email)

Herman, Darlene C MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 8:37 AM
To: Herman, Darlene C MVN
Subject: FW: HESCO baskets

Attachments: HBUSA_handout_04_09.pdf; HESCO_MAP4.pdf; HESCO_techsheets.pdf; Port_Fourchon_Hesco_Basket_Site.jpg; Port_Fourchon_Site_A.jpg



HBUSA_handout_04_09.pdf (1 MB)... HESCO_MAP4.pdf (504 KB) HESCO_techsheets.pdf (495 KB) Port_Fourchon_Hesco_Basket_Site.jpg Port_Fourchon_Site_A.jpg (2 MB...

For your information!!

-----Original Message-----

From: Antoinette DeBosier [mailto:Antoinette.DeBosier@LA.GOV]
Sent: Thursday, May 20, 2010 8:05 AM
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Cc: Jerome Zeringue; Louis Buatt; Stephen Chustz (DNR); Karl Morgan
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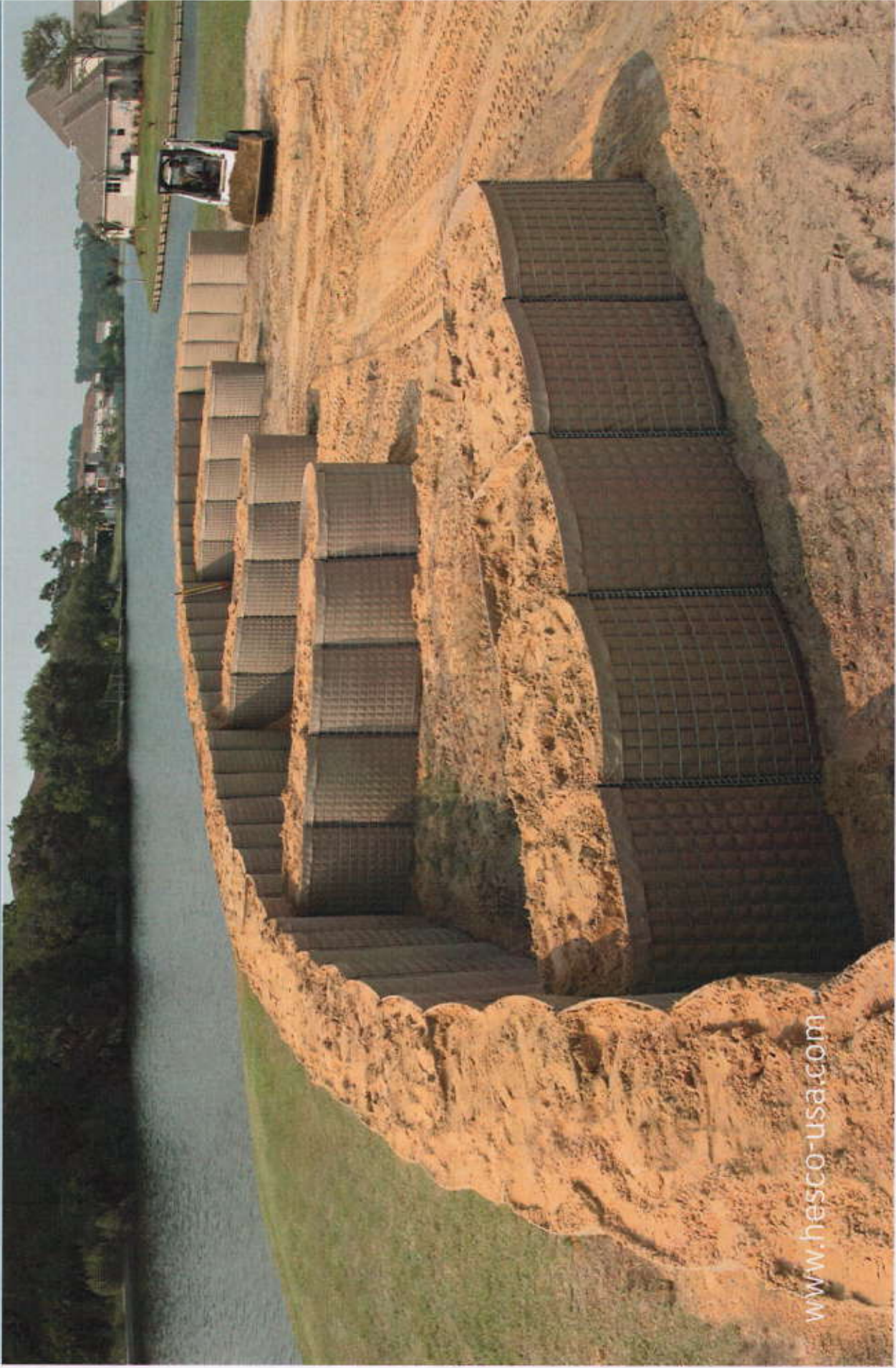
AUTHORIZATION TO PROCEED HAS MOVED TO CRITICAL STATUS-OIL IS NOW HITTING FOURCHON BEACH. THOUGH LOCATION MAPS ARE ATTACHED, WE ARE ASKING FOR A BROADER REACH, AS BASKETS MAY BE NEEDED FARTHER WEST TO PROTECT BREACHES THAT HAVE NOT BEEN CLOSED WITH SAND YET.

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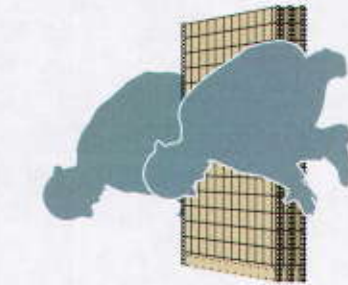
Toni

Concertainer units basic construction

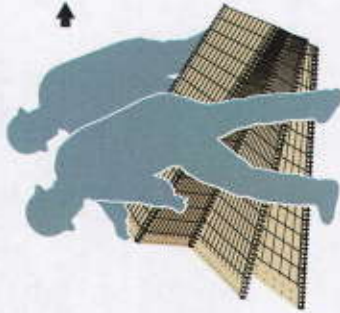


www.hesco-usa.com

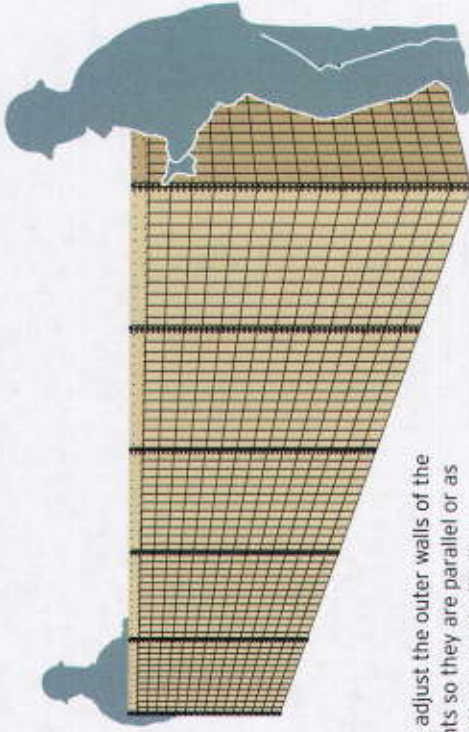
Concertainer unit assembly



1 Place a HESCO® Concertainer® unit on the ground horizontally with the stapled, geotextile top pointing away from the direction the wall is to be erected.

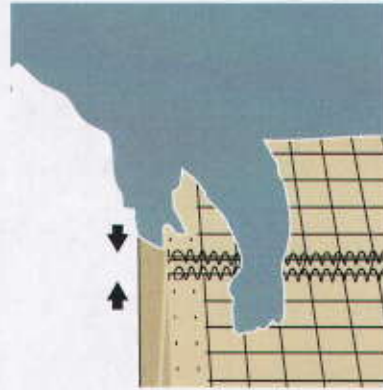


2 Two men each grasp the end panel and together move in the desired direction. The unit will unfold from the horizontal to the vertical and be self supporting. Pull the unit out to its full length. Ensure it is in the correct position.

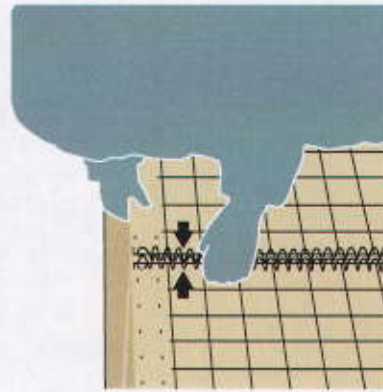


3 Quickly adjust the outer walls of the segments so they are parallel or as close as the ground will allow.

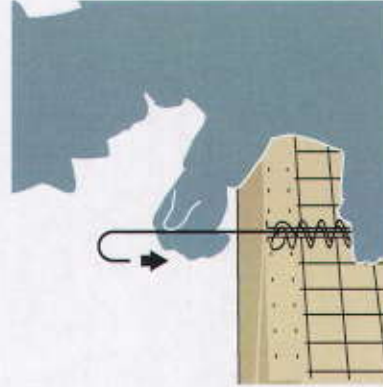
Ensure the flaps at the base of each cell are tucked in.



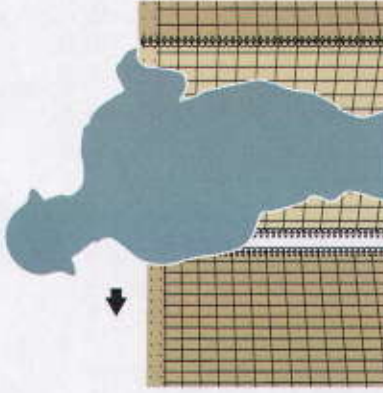
4 Butt together the two unfilled units to be joined.



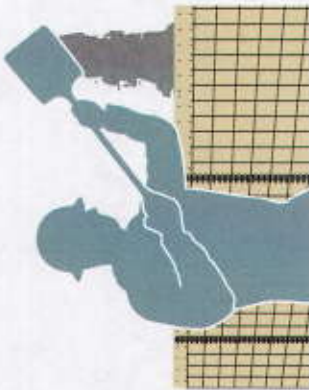
5 Pull the corner coils of both units together until they overlap.



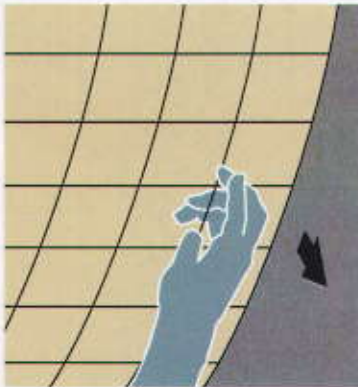
6 Insert a joining pin down the center of the overlapped coils thus joining them together.



7 Make any joints/extensions required **before** filling the unit. You will not be able to join additional units once the end cells are full.



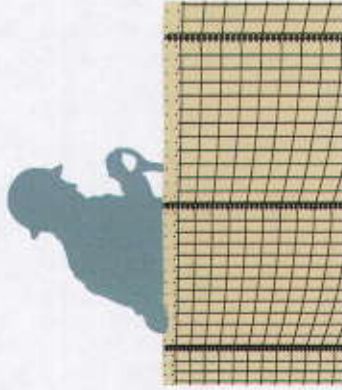
1 Place 6" of fill material in the bottom of each end cell either manually, or using appropriate loading equipment such as a front loader. Ensure fill material is always placed in the center of each cell.



2 It is important that the center of each side panel is pulled out 3" - 4" after the first 6" of fill material is placed in a cell. The side panels of cells are designed to bow as fill is added.

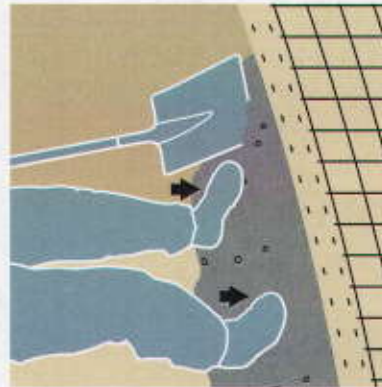


3 Continue to place 6" of fill in all other cells (see also 6).

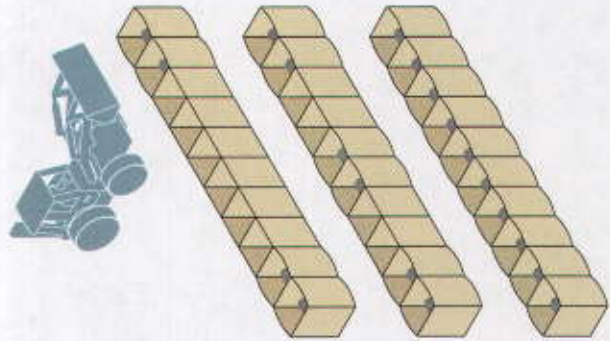


4 It is important that cells are filled evenly, otherwise the side walls are pulled in reducing the width of protection (no cell should have more than 12" of material than its adjacent).

5 Each layer of fill should be evenly distributed and then manually compacted before placing the next. Gravel, sand, crushed rock or graded aggregate are the most suitable fill materials. Only as a last resort should the unit be filled with organic soil or clay as this may lead to instability.



6 The first layer fill should commence with the end cells, followed by the center cells and finally the remaining cells. The remaining fill layers for the wall are filled starting at one end through to the other, distributing and compacting each layer.



end cells first

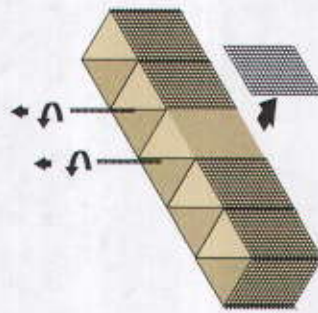
center cells next

then remaining cells

Corners

Right angled

Simple, right angled joins and junctures are shown right. Where a right angled corner is required join two units at 90 degrees by meshing the coils and inserting the joining pins, as previously described in points 4, 5 and 6 of *Concortainer unit assembly* at the start.

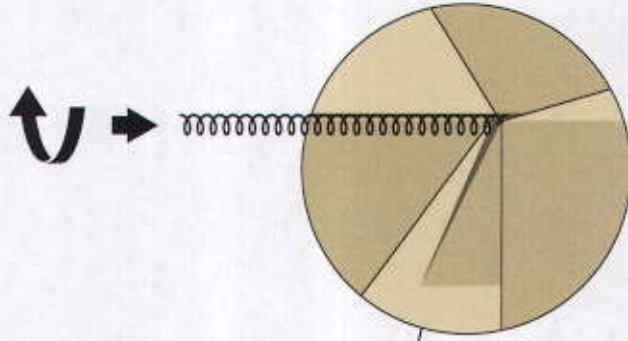
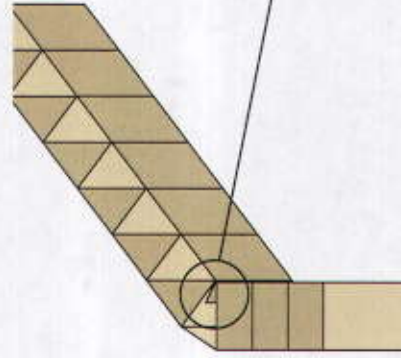


Angled

Angled corners can be created by 'triangulating' the cell where you want the joined units to turn.

- Start by removing the two coils from the panel on the inside of the turn. You will need to open the top and bottom ends of the coils with a multi-tool, to facilitate this. The coils unwind anti-clockwise.

- Remove the welded mesh panel.



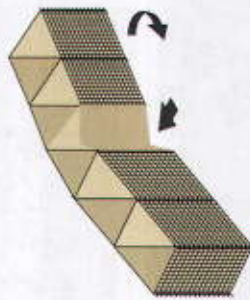
- Holding all four panel ends together at the apex, rewind in one of the coils removed at the first step of the process.

- Ensure the coil ends are re-closed using the multi-tool, to prevent the coil unwinding.

Your angled corner is complete and more units can be added to continue in the new direction.

- Begin turning in the end cells to change direction, folding in the geotextile as you do so.

- Continue the turn until the end cells until the cell you are folding is triangulated. Ensure that the two internal panels and the open ended side panels all meet at the apex.

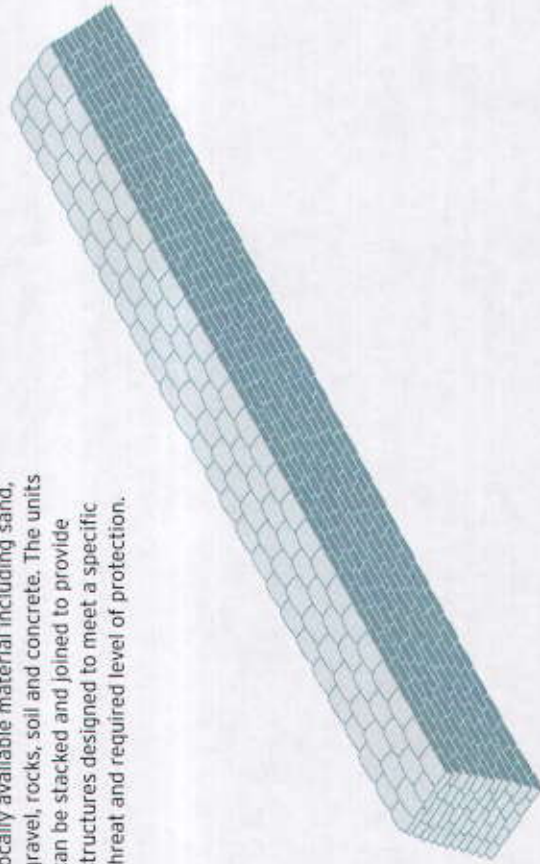


70 man hours

To react effectively to emergency situations, speed and efficiency are of paramount importance. The innovative design of the Concertainer unit makes them quick and easy to transport and deploy without the need for trained labor or specialized equipment.

Unlike sandbags, the units can be filled and positioned using minimal manpower, a standard bucket loader, and almost any locally available material including sand, gravel, rocks, soil and concrete. The units can be stacked and joined to provide structures designed to meet a specific threat and required level of protection.

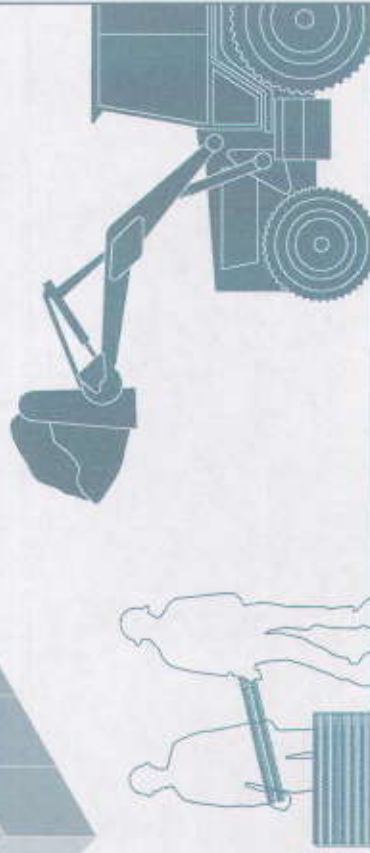
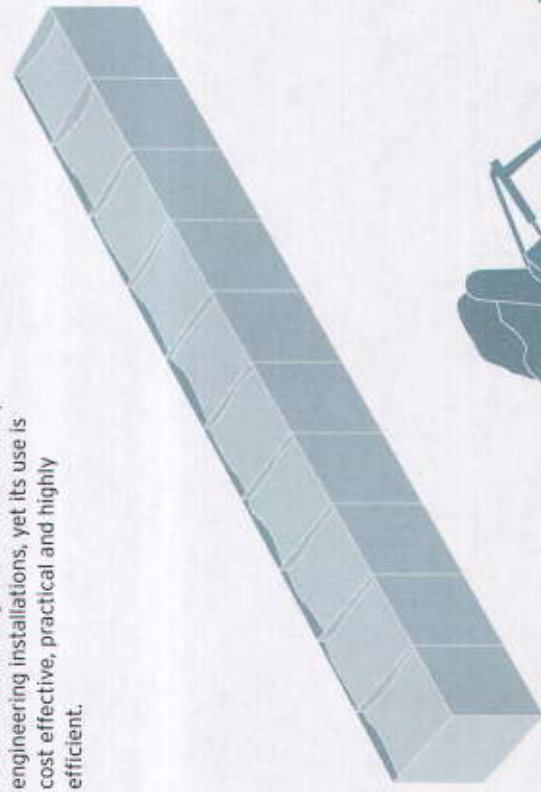
A typical wall of Concertainer units, equivalent to 1500 sandbags, can be erected and installed by two men using a standard front loader in just 20 minutes. A similar wall made with sandbags would take ten men around seven hours to build.



20 minutes

When empty, Concertainer units are compact and relatively lightweight, which makes them well suited for use where site access is limited. If necessary, each empty Concertainer unit can be manhandled into position before being erected and filled.

Walls and protective barricades can be built very quickly, with little need for complex job planning or deliveries of secondary materials. The system is ideal for the widest range of civil and military engineering installations, yet its use is cost effective, practical and highly efficient.



Seven hours and ten men, or 20 minutes and two men? The answer is clear.

Disclaimer

The information provided by HESCO Bastion USA herein is intended solely to provide general guidance to a purchaser or potential purchaser, who accepts full responsibility for the design, installation and use of structures incorporating the HESCO Concentrator and associated products. While reasonable care has been taken to ensure that the information provided is accurate and has been obtained from reliable sources, and the information is provided in good faith based upon that which is available at the time of production, HESCO Bastion USA provides no guarantee or warranty as to the accuracy, completeness or effectiveness of the information. Nothing herein shall be construed as a substitute for the need for purchasers to exercise or employ adequate independent technical expertise and judgment for their particular application. As a condition to purchase, each purchaser acknowledges that risks and dangers may arise from foreseeable and unforeseeable causes and assumes all risk and danger and all responsibility for any losses and/or damages to person or property that may result from purchaser's use of HESCO Bastion USA's products. HESCO BASTION USA PROVIDES NO GUARANTEE OR WARRANTY, WHETHER EXPRESS OR IMPLIED BY LAW, IN CONNECTION WITH ITS SALE OR THE INFORMATION HEREIN, INCLUDING WITHOUT LIMITATION MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS EXPRESSLY STATED IN ITS STANDARD TERMS AND CONDITIONS OF SALE.

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Technical specification sheet

Concertainer® units



A geotextile lined unit for general use as an earth filled gabion, the units are suitable for filling with earth, sand, gravel, crushed rock and other granular materials. The units are suitable for a wide range of uses, including the construction of walls and barriers, flood protection, erosion protection, protection against accidental explosions and Homeland Security applications.

General specifications

Geotextile lined welded wire fabric gabion to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Welded wire mesh

Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²
Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength
Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹ Wire diameter is nominal

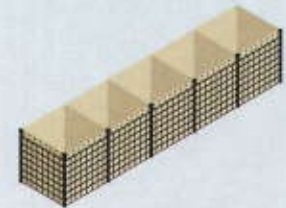
Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
Grab Elongation (Cross Direction)	ASTM D 4632	55%
CBR Burst	ASTM D 6241	450lbs
Cone Drop Test	EN 918	24mm
Endurance Resistance		
UV Resistance (% retained after 500hrs)	ASTM D 4355	70%
Chemical Resistance	EN 14030	80%
Oxidation Resistance	EN 13438	80%
Hydraulic Properties		
Apparent Opening Size	ASTM D 4751	70 US Std. Sieve
Permittivity	ASTM D 4491	1.30sec ²
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



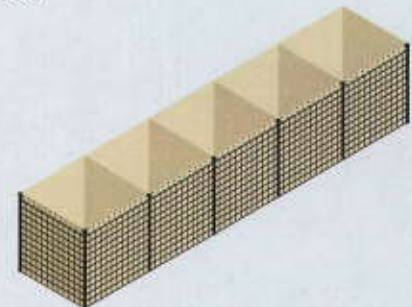
C-2210

H-2' W-2' L-10' (5 cells)



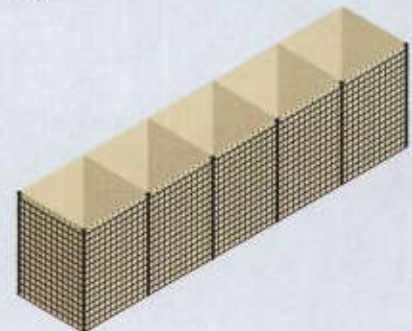
C-3315

H-3' W-3' L-15' (5 cells)



C-4315

H-4' W-3' L-15' (5 cells)



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

EP/TSS/03/LQ/PEB09

HESCO Bastion USA 47152 Conrad E. Anderson Drive, Hammond, LA 70401
Email: info@hesco-usa.com Web: www.hesco-usa.com

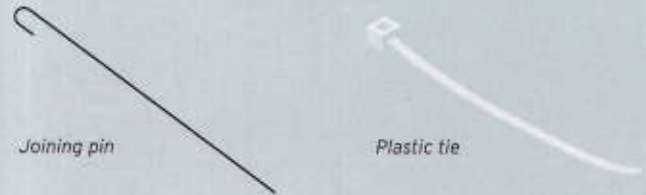
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A geotextile lined unit for use in flood protection applications. The design of these units reduces permeability of the wall when filled. Floodline units are designed for easy removal. Suitable for filling with earth, sand, or well graded gravel. Floodline units may also be used in other applications.

General specifications

Geotextile lined welded wire fabric gabion to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



Welded wire mesh	
Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²
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Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹Wire diameter is nominal

F-3315	
H-3' W-3' L-15' (5 cells)	

A 3D perspective view of the F-3315 Floodline unit, showing a rectangular structure with a grid-like wire mesh and a top layer of geotextile. The unit is divided into five cells along its length.

Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
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Chemical Resistance	EN 14030	80%
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Permittivity	ASTM D 4491	1.30sec ⁻¹
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²

F-4315	
H-4' W-3' L-15' (5 cells)	

A 3D perspective view of the F-4315 Floodline unit, showing a rectangular structure with a grid-like wire mesh and a top layer of geotextile. The unit is divided into five cells along its length.

The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

A geotextile lined unit with 1' wide unlined front section. The geotextile lined rear section allows the use of more economical fill such as earth, sand or gravel to be used.

General specifications

Geotextile lined welded wire fabric gabion with unlined front section to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Lids and bases are supplied with all Rockface units. Lids and bases are pre-fitted to the units at the factory. Lacing wire and coils are supplied to close lids and bases on site.

Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



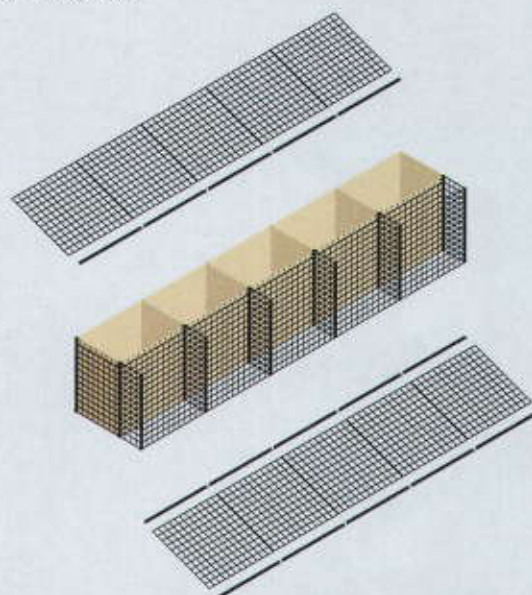
Welded wire mesh

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Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
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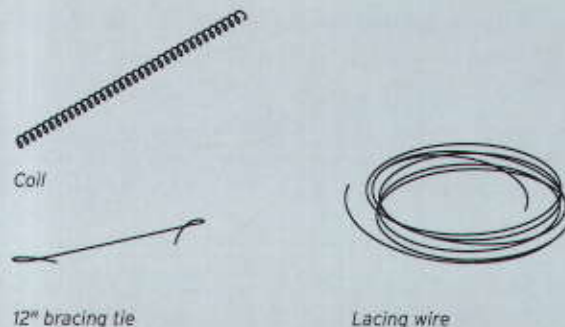
RF-3315

H-3' W-3' L-15' (5 cells)



Geotextile	Standard	Value
Mechanical Properties		
Grab Tensile Strength (Machine Direction)	ASTM D 4632	130lbs
Grab Tensile Strength (Cross Direction)	ASTM D 4632	160lbs
Grab Elongation (Machine Direction)	ASTM D 4632	50%
Grab Elongation (Cross Direction)	ASTM D 4632	55%
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Apparent Opening Size	ASTM D 4751	70 US Std. Sieve
Permittivity	ASTM D 4491	1.30sec ²
Permeability	ASTM D 4491	0.24 cm/sec
Water Flow Rate	ASTM D 4491	100 gpm/ft ²

Coils are supplied to close all bases. 12" bracing ties are supplied for the rock fill insert. Lacing wire is supplied to close all lids and to join courses on site.



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

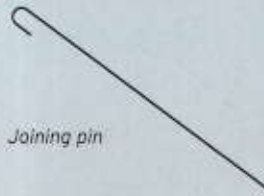
Unlined Concertainer unit for general use as a welded wire fabric gabion.

General specifications

Welded wire fabric gabion to ASTM A 974-97.

Lids and bases are supplied with all Rockbox units. Lids and bases are pre-fitted to the units at the factory. Coils are supplied to close lids and bases on site.

Joining pins are supplied to join units together.



Joining pin

Welded wire mesh

Wire	
Wire gauge	8.5 American SWG, steel
Wire diameter ¹	0.155"/3.937mm
Tensile strength of wire	80 - 110 ksi 550 - 760 kPa
Corrosion Protection	Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ²

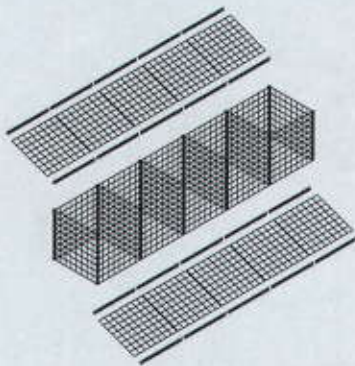
Mesh	
Wire spacing	3" x 3"
Tolerance on line wire spacing	+/- 1/8"
Cross wire straightness across test panel	limit of deviation 1/4" in 72"
Mesh strength	70% of wire tensile strength

Panels	
Squareness	in 4' diagonals shall not vary by more than 5/8"
Flatness	in 6' not more than 2" from plane

¹Wire diameter is nominal

2' high units

RB-2210 H-2' W-2' L-10' (5 cells)



RB-224 H-2' W-2' L-4' (2 cell)



RB-226 H-2' W-2' L-6' (3 cell)

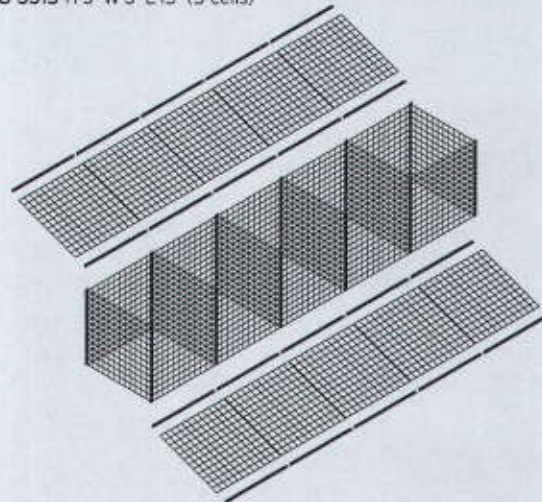


RB-228 H-2' W-2' L-8' (4 cell)



3' high units

RB-3315 H-3' W-3' L-15' (5 cells)



RB-336 H-3' W-3' L-6' (2 cell)



RB-339 H-3' W-3' L-9' (3 cell)



RB-3312 H-3' W-3' L-12' (4 cell)



Coils are supplied to close all lids and bases. 17 1/2" bracing ties are supplied. Lacing wire is supplied to join courses on site.



Coil

17 1/2" bracing tie



Lacing wire

The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

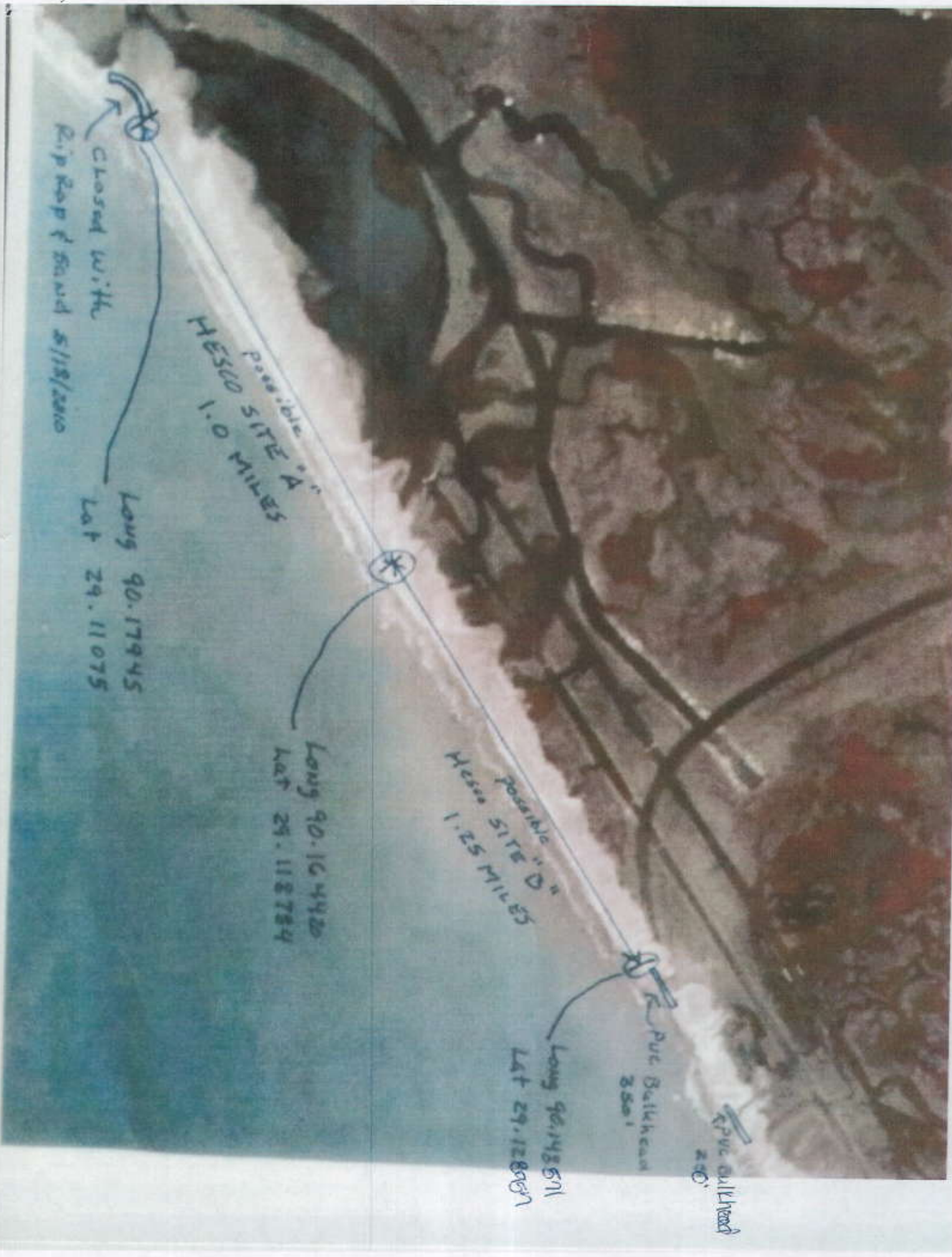
Legend

 **Proposed HESCO Basket Placement Area**

Elmer's Is.

Camirada





Closed with
Rip Rap & Sand 5/18/2010

Possible
SITE "A"
1.0 MILES

Long 90.17945
Lat 29.11075



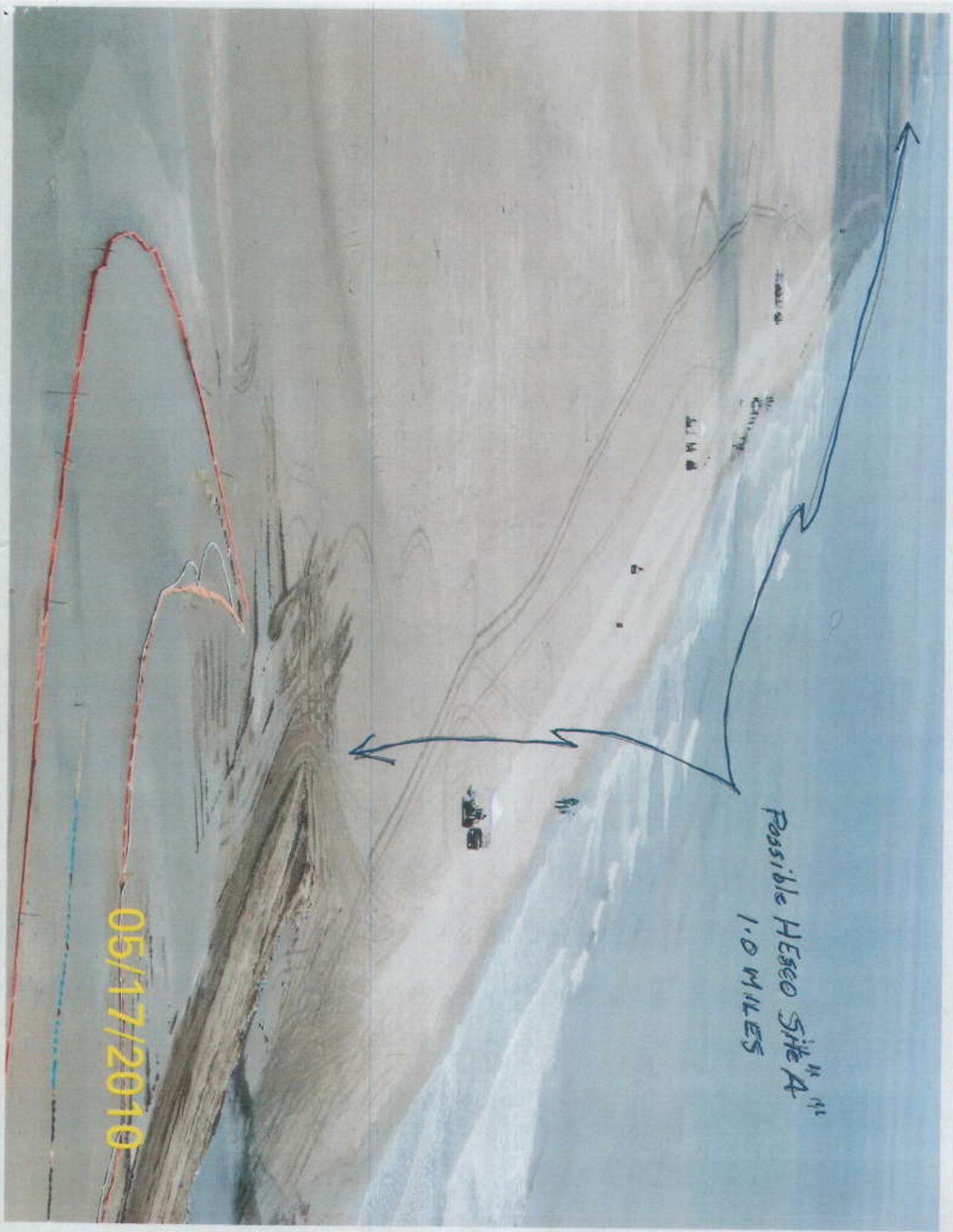
Long 90.16442
Lat 29.118784

Possible
SITE "D"
1.25 MILES

Long 90.148511
Lat 29.128961

Rip Rap Bulkhead
250'

Rip Rap Bulkhead
200'



Possible HESCO Site A
1.0 MILES

The Channel
LULU

05/17/2010

Herman, Darlene C MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 8:04 AM
To: Herman, Darlene C MVN
Subject: FW: Hesco Baskets at Port Fourchon

Attachments: image001.jpg; Port Fourchon Site A.jpg; Port Fourchon Hesco Basket Site.jpg



image001.jpg (3 KB)



Port Fourchon Site A.jpg (2 MB...



Port Fourchon Hesco Basket Sit...

For your information!!!

-----Original Message-----

From: Barbara, Darrell MVN
Sent: Thursday, May 20, 2010 6:54 AM
To: Duke, Ronnie W MVN
Subject: FW: Hesco Baskets at Port Fourchon

Here is some more. I did not realize it was in Lafouche, before I started workin on it. I told Toni that you were Chief for that section.

-----Original Message-----

From: Antoinette DeBosier [mailto:Antoinette.DeBosier@LA.GOV]
Sent: Thursday, May 20, 2010 2:07 AM
To: Barbara, Darrell MVN; Joseph "Jay" Pecot; Karl Morgan
Cc: Louis Buatt; Stephen Chustz (DNR)
Subject: FW: Hesco Baskets at Port Fourchon

so sorry for the piecemeal of information but that is how i am getting it in. This information may clear up where they intend to put the baskets. See the email below for more detail.

Thanks so much,
Toni

From: Jerome Zeringue
Sent: Wednesday, May 19, 2010 5:33 PM
To: Antoinette DeBosier
Subject: FW: Hesco Baskets at Port Fourchon

Additional info on the Caminada request.

Jerome Zeringue
Deputy Director
[cid:image001.jpg@01CAF779.6FC1DD40]
450 Laurel Street, Baton Rouge, LA 70801
[REDACTED] (Phone)
[REDACTED] (Fax)
jzee@la.gov<mailto:sandy.trahan@la.gov> (Email)

From: Christi Triche [mailto:trichec@bellsouth.net]
Sent: Wednesday, May 19, 2010 5:21 PM
To: Jerome Zeringue
Cc: Shane Triche; Brian Babin (DNR)
Subject: Hesco Baskets at Port Fourchon

Zee,

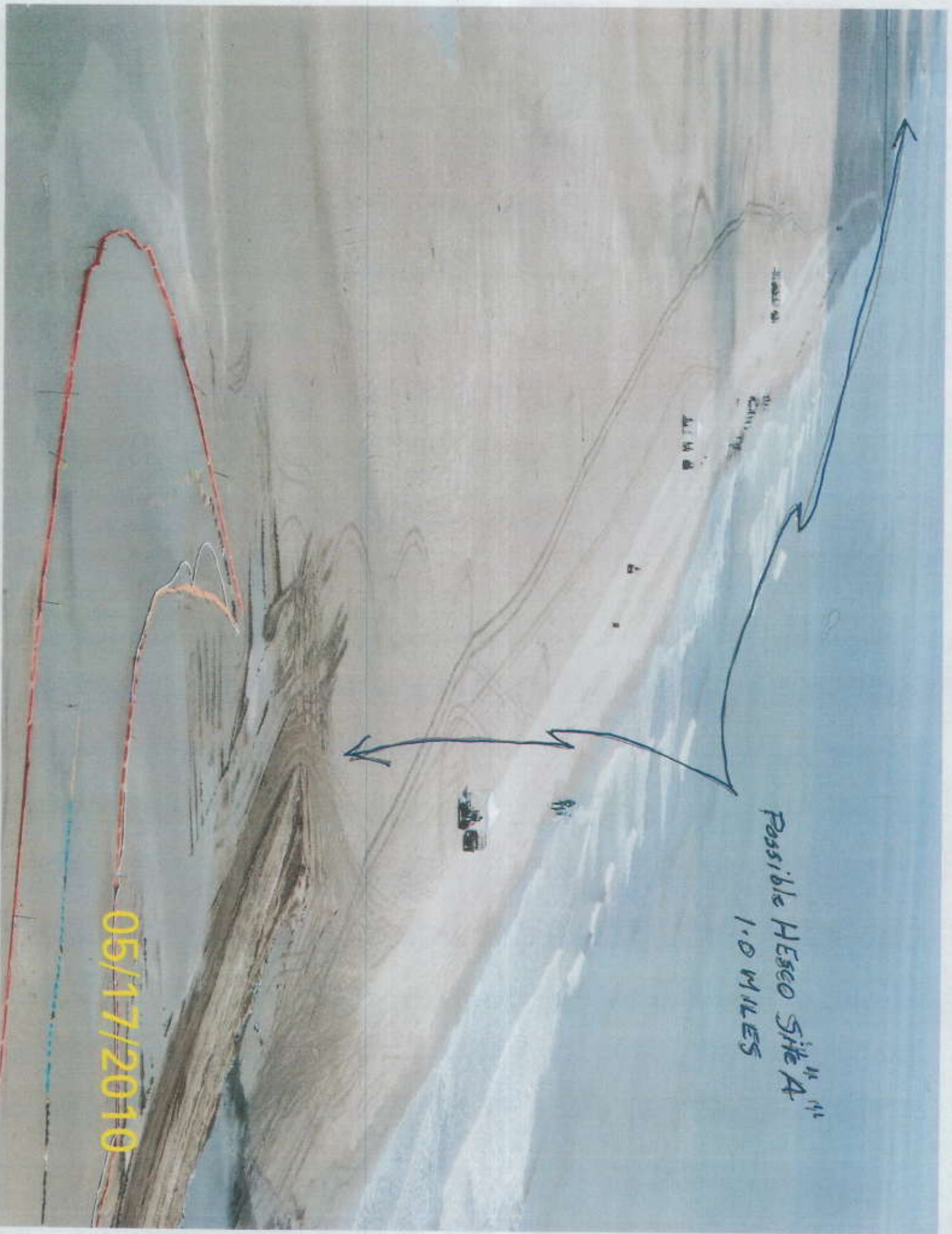
I went to the Port of Fourchon to inspect a low area of beach just in front of Bay Champain and to the east of Fourchon Road. There is a section of beach approximately 2.2

miles long that has a very low elevation. This section of beach is usually overwashed during high tide events. If oil were to impact the beach at this location it could easily be carried over the beach and into the bay and marsh behind the beach. I recommend the placement of sand material in Hesco baskets along the bay side slope of the beach. The Hesco baskets would hold the sand in place during the high tidal events and would stop the transfer of most of the oil into the marshes. I have attached a couple of images depicting the area of concern.

If you have any questions or require any additional information please let me know.

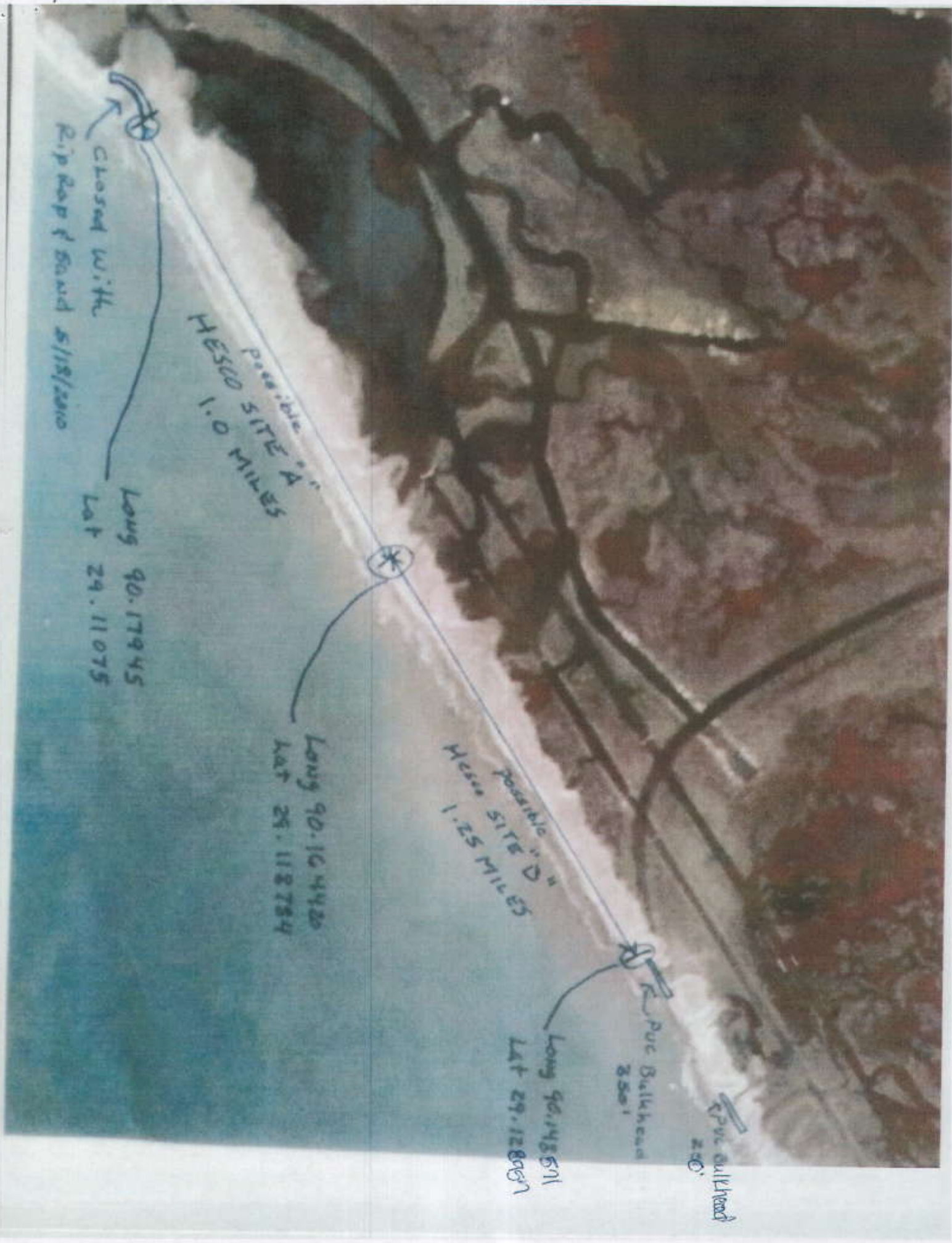
Shane Triche

P.S. Please send any replies to my work email address
shane.triche@la.gov<mailto:shane.triche@la.gov>



Possible HESCO Site A
1.0 MILES

05/17/2010



Closed with
Riprap & Sand 5/18/2010

Possible "A"
HESCO SITE A
1.0 MILES

Long 90.17945
Lat 29.11075

Long 90.16442
Lat 29.118784

Possible "D"
HESCO SITE D
1.25 MILES

Long 90.14851
Lat 29.128051

Puc Bulkhead
350'

Puc Bulkhead
200'

Herman, Darlene C MVN

From: Serio, Pete J MVN
Sent: Friday, May 21, 2010 8:43 AM
To: Duke, Ronnie W MVN; Herman, Darlene C MVN
Subject: FW: Executed Amended EUA

Attachments: Amended EUA 5-20-10.pdf



Amended EUA
i-20-10.pdf (221 K..
FYI

Pete Serio
Chief, Regulatory Branch
504-862-2255

In order to assist us in improving our service to you, please complete the survey found at: <http://per2.nwp.usace.army.mil/survey.html>

-----Original Message-----

From: Chett Chiasson [mailto:chettc@portfourchon.com]
Sent: Thursday, May 20, 2010 2:33 PM
To: Karl Morgan
Cc: Charlotte A. Randolph; Chris L. Boudreaux; Serio, Pete J MVN; pam.roussel@la.gov
Subject: Executed Amended EUA

Karl,

Thanks for your assistance.

Chett

Chett C. Chiasson, MPA

Executive Director

Greater Lafourche Port Commission

Phone: [REDACTED]

Fax: [REDACTED]

chettc@portfourchon.com <mailto:chettc@portfourchon.com>

BOBBY JINDAL
GOVERNOR



SCOTT A. ANGELLE
SECRETARY

State of Louisiana
DEPARTMENT OF NATURAL RESOURCES
OFFICE OF COASTAL MANAGEMENT

May 20, 2010

CERTIFIED MAIL

NO. _____

Greater Lafourche Port Commission
16829 East Main Street
P.O. Box 490
Galliano, LA 70354
Attn: Chett Chiasson

RE: EJA 10-036 (Amended)

Greater Lafourche Port Commission

Description: Emergency placement of approximately 300 4' x 4' x 4' sand bags (approximately 900 cubic yards of material) to plug five breaches measuring a total of 360'. Sand bags will be airlifted to the locations. No additional dredge or fill is required.

Location: (No. 1; 150') Lat. 29° 07' 42"N, Long. 90° 08' 46.20"W;
(No. 2; 25') Lat. 29° 07' 50.40"N, Long. 90° 08' 30"W;
(No. 3; 15') Lat. 29° 08' 15"N, Long. 90° 07' 52.8"W;
(No. 4; 150') Lat. 29° 09' 46.20"N, Long. 90° 05' 30"W;
(No. 5; 20') Lat. 29° 06' 42"N, Long. 90° 10' 35.40"W.

Lafourche Parish, LA

Amendment: An undetermined amount of sand fill and large riprap will be added to breach No. 4 & 5. PVC sheet piling will be used to close off breach No. 1, 2 & 3.

Dear Mr. Chiasson:

We have reviewed the information presented to the Office of Coastal Management (OCM) in your Emergency Use Authorization amendment request dated May 14, 2010. Pursuant to the provisions contained in the LAC (Title 43, Part I, Chapter 7 §723.B.3.), the Emergency Use Authorization request is hereby granted. This Emergency Use Authorization provides only for that work necessary to accomplish that work described above necessary to protect the marshlands from oil spill contamination and is contingent upon acceptance of the following conditions:

Post Office Box 44487 • Baton Rouge, Louisiana 70804-4487
617 North Third Street • 10th Floor • Suite 1078 • Baton Rouge, Louisiana 70802
(225) 342-7591 • Fax (225) 342-9439 • <http://www.dnr.louisiana.gov>
An Equal Opportunity Employer

1. This Emergency Use Authorization is strictly limited to the activity as described in your request and accompanying plats.
2. Dredge and fill activities for site access are not authorized unless specifically described in the work statement of this letter.
3. The applicant agrees, by virtue of the commencement of authorized activities, to submit to OCM, a complete application packet (\$100 application fee, Joint Application Form, vicinity plats, plan plats, cross section plats, etc.) for the activity not more than thirty (30) days from the date of this authorization. You may obtain a free application packet by calling our office at (225) 342-7591 or (800)-267-4019; or by visiting our website at <http://www.dnr.state.la.us/crm/coastmgt/cup/cup.asp>.
4. The applicant agrees, by virtue of the commencement of authorized activities, to avoid to the maximum extent practicable, vegetated wetland impacts, and if necessary to mitigate for those unavoidable adverse impacts to vegetated wetlands, including submerged aquatics, should OCM determine that mitigation is necessary. Should OCM deem mitigation to be necessary, the applicant agrees, by virtue of the commencement of authorized activities, to submit and fulfill a mitigation plan that has been approved by OCM.
5. The applicant agrees, by virtue of the commencement of authorized activities, to adjust, alter, or remove any structure or other evidence of the authorized emergency use if, in the sole opinion of OCM, it proves to be beyond the scope of the authorized activity or has been abandoned.
6. The applicant agrees, by virtue of the commencement of authorized activities, to hold and save the State of Louisiana, the Department of Natural Resources (DNR), and their officers and employees harmless from any damage to persons or property which might result from the emergency use.
7. The applicant agrees, by virtue of the commencement of authorized activities, to certify that the emergency use has been completed in an acceptable and satisfactory manner and in accordance with the plans and specifications approved by OCM as referenced herein. OCM may, when it deems appropriate, require that such certification be given by a registered engineer.
8. The applicant agrees, by virtue of the commencement of authorized activities, to ensure that this Emergency Use Authorization, or a copy thereof, shall be available for inspection at the work site at all times during operations.

9. The applicant agrees, by virtue of the commencement of authorized activities, to notify OCM of the date on which initiation of the authorized emergency activity began. The applicant shall notify OCM by mailing the enclosed green initiation card on the date of initiation of the authorized activities.
10. The applicant agrees, by virtue of the commencement of authorized activities that should changes in the location or the section of the existing waterways, or in the generally prevailing conditions in the vicinity be required in the future, in the public interest, applicant shall remove the sandbags and restore the site upon request of OCM.
11. Unless otherwise specified, this Emergency Use Authorization will expire 30 days from the date of this letter, if the work has not been initiated or if the applicant has not submitted a complete Coastal Use Permit Application to OCM for the authorized activity. This expiration condition will be waived only if the applicant notifies OCM of the reason(s) for the delay and proposes an acceptable schedule for initiation of the work, or submits a complete Coastal Use Permit Application.
12. The following conditions have been provided by the Louisiana Department of Wildlife and Fisheries

Louisiana Natural Heritage Program:

Our database indicates the presence of bird nesting colonies within one mile of this proposed project. **Please be aware that entry into or disturbance of active breeding colonies is prohibited by the Louisiana Department of Wildlife and Fisheries (LDWF). In addition, LDWF prohibits work within a certain radius of an active nesting colony.**

Nesting colonies can move from year to year and no current information is available on the status of these colonies. If work for the proposed project will commence during the nesting season, conduct a field visit to the worksite to look for evidence of nesting colonies. This field visit should take place no more than two weeks before the project begins. If no nesting colonies are found within 400 meters (700 meters for brown pelicans) of the proposed project, no further consultation with LDWF will be necessary. If active nesting colonies are found within the previously stated distances of the proposed project, further consultation with LDWF will be required. In addition, colonies should be surveyed by a qualified biologist to document species present and the extent of colonies. Provide LDWF with a survey report which is to include the following information:

1. qualifications of survey personnel;
2. survey methodology including dates, site characteristics, and size of survey area;
3. species of birds present, activity, estimates of number of nests present, and general vegetation type including digital photographs representing the site;

4. and topographic maps and ArcView shapefiles projected in UTM NAD83 Zone 15 to illustrate the location and extent of the colony.

Please mail survey reports on CD to: Louisiana Natural Heritage Program
La. Dept. of Wildlife & Fisheries
P.O. Box 98000
Baton Rouge, LA 70898-9000

To minimize disturbance to colonial nesting birds, the following restrictions on activity should be observed:

- For colonies containing nesting wading birds (i.e., herons, egrets, night-herons, ibis, roseate spoonbills, anhingas, and/or cormorants), all project activity occurring within 300 meters of an active nesting colony should be restricted to the non-nesting period (i.e., September 1 through February 15).

- For colonies containing nesting gulls, terns, and/or black skimmers, all project activity occurring within 400 meters (700 meters for brown pelicans) of an active nesting colony should be restricted to the non-nesting period (i.e., September 16 through April 1).

The piping plover (*Charadrius melodus*) may occur within one mile of the project area. This species is federally listed as threatened with its critical habitat designated along the Louisiana coast. Piping plovers winter in Louisiana feeding at intertidal beaches, mudflats, and sand flats with sparse emergent vegetation. Primary threats to this species are destruction and degradation of winter habitat, habitat alteration through shoreline erosion, woody species encroachment of lake shorelines and riverbanks, and human disturbance of foraging birds. For more information on piping plover critical habitat, visit the U.S. Fish and Wildlife website: <http://endangered.fws.gov>.

No other impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project. No state or federal parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project.

The Louisiana Natural Heritage Program (LNHP) has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the State of Louisiana. LNHP reports summarize the existing information known at the time of the request regarding the location in question. LNHP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. If at any time LNHP tracked species are encountered within the project area, please contact our biologist at 225-765-2643.

13. LDWF requests that the applicant notify each oyster lease holder affected within 500 feet of the proposed activity prior to commencement of the proposed activity.
14. The sand utilized in this project shall be free of contamination and suitable for use in coastal restoration projects.
15. Sand bags and slings should be constructed of benign materials and in such a manner that they do/will not pose a threat to fish and wildlife (e.g. birds, marine mammals, turtles, etc.) through entanglement, entrapment, ingestion, etc.
16. In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.
17. All hard structures (including but not limited to sheet pile and riprap) must be marked/lighted in accordance with U. S. Coast Guard regulations. These markers/lights, if required, must be maintained at the site until such time as all potential hazards to navigation are removed. All hard structures shall be removed upon the determination by State and Federal regulatory authorities that there is no longer a significant risk of contamination from the BP Horizon Oil spill to lands in this project area or within two (2) years from the date of this signed authorization, whichever comes first, unless specifically directed to handle otherwise by the ATF permit for this activity.

18. This authorization is not valid unless the applicant agrees to the terms and conditions provided for herein by executing in the space provided below.

Should you have any questions or need additional help, please feel free to contact Christine Charrier, Permits Program Manager, at [REDACTED]

Sincerely,



Karl Morgan,
Acting Administrator

AGREED TO AND ACCEPTED this 20th day of May, 2010

by 

(applicant's signature)

Chett Chiasson
Executive Director

KM/kwl

Greater Lafourche Port Commission

Attachments (green card and plats)

CC: Pete Serio, COE w/plats
David Butler, LDWF w/plats
Peggy Rooney, OCM/SS w/plats
Kirk Kilgen, OCM/FI w/plats
Nicholas Matherne, Lafourche Parish w/plats

Herman, Darlene C MVN

To: jim_boggs@fws.gov'; 'Patti_Holland@fws.gov'; 'patrick.williams@noaa.gov';
'richard.hartman@noaa.gov'; 'rachel.sweeney@noaa.gov'; 'kbalkum@wlf.louisiana.gov';
'Karl.Morgan@la.gov'; 'Christine Charrier'; 'Jamie Phillippe'; 'John F MVN Contractor Ettinger';
'kenneth_litzenberger@fws.gov'
Cc: Serio, Pete J MVN; Farabee, Michael V MVN; Mayer, Martin S MVN; Tewis, Robert M MVN;
Duke, Ronnie W MVN
Subject: FW: BP Oil Spill Response - Emergency Request -- proposed emergency work along
Fouchon Beach and Grand Isle area in Lafourche/Jefferson Parishes (MVN 2010-1041 WB)
Attachments: document2010-05-20-104339.pdf



document2010-05-
20-104339.pdf ...

Good Morning:

MVN Regulatory is in receipt of a new emergency response request from the State of Louisiana, Department of Natural Resources, on behalf of Lafourche Parish Government; which includes the installation of HESCO baskets being placed along sections of beach situated between Fourcheon and Grand Isle area in Lafourche/Jefferson Parishes. Preliminary information provided by DNR stipulated that these baskets will be placed according to the attached figures.

Please submit any comments to this proposal by 2:00 pm, Thursday May 20, 2010. Darlene Herman will be the PM handling comments and/or information requests relevant to this proposed emergency plan.

Darlene Herman
Environmental Protection Specialist
U.S. Army Corps of Engineers
Regulatory Branch, Western Evaluation Section
(504) 862-2287

In order to assist us in improving our service to you, please complete the survey found at:
<http://per2.nwp.usace.army.mil/survey.html>

MODE = MEMORY TRANSMISSION

START-MAY-20 12:41

END-MAY-20 12:48

FILE NO. =924

STN NO.	COMM.	ONE-TOUCH/ ABBR NO.	STATION NAME/TEL NO.	PAGES	DURATION
001	400	<10>	USFWS	000/013	00:00:36

-USACE WESTERN EVAL SEC -

***** -504 862 2574 - ***** 504 862 2574- *****

FACSIMILE HEADER SHEET



US Army Corps of Engineers
 New Orleans District, Operations Division
 Regulatory Branch
 Western Evaluation Section

Facsim

Command/Office	Office Telephone No.	Facsimile No.
From: Darlene Herman	504-862-2287	504-862-2574
To: Patti Holland Jim Boggs		
Releaser's Signature: <u><i>Darlene Herman</i></u>		
Comments/Notes		
<u>Please see attached email and figures.</u>		
Total Number of Pages, Including Header: <u>14</u>		

MODE = MEMORY TRANSMISSION

START=MAY-20 11:50

END=MAY-20 12:07

FILE NO. =923

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001	BUSY	<10>	USFWS	000/013	00:00:00

-USACE WESTERN EVAL SEC -

***** -504 862 2574 - ***** 504 862 2574- *****

FACSIMILE HEADER SHEET



US Army Corps of Engineers
 New Orleans District, Operations Division
 Regulatory Branch
 Western Evaluation Section

Command/Office	Office Telephone No.	Facsimile No.
From: Darlene Herman	504-862-2287	504-862-2574
To: Patti Holland Jim Boggs		

Releaser's Signature: *Darlene Herman*

Comments/Notes

Please see attached email and figures.

Total Number of Pages, Including Header: 14

MODE = MEMORY TRANSMISSION

START=MAY-20 12:50

END=MAY-20 13:07

FILE NO.=925

STN NO.	COMM.	ONE-TOUCH/ ABBR NO.	STATION NAME/TEL NO.	PAGES	DURATION
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-USACE WESTERN EVAL SEC -

***** -504 862 2574 - ***** 504 862 2574- *****

FACSIMILE HEADER SHEET



US Army Corps of Engineers
 New Orleans District, Operations Division
 Regulatory Branch
 Western Evaluation Section

Fixed

Command/Office	Office Telephone No.	Facsimile No.
From: Darlene Herman	504-862-2287	504-862-2574
To: Patti Holland Jim Boggs		
Releaser's Signature: <i>Darlene Herman</i>		<i>Copy</i> Please hand carry to FWS. Thanks <i>Darlene</i>
Comments/Notes		
<u>Please see attached email and figures.</u>		
Total Number of Pages, Including Header: <i>14</i>		

Herman, Darlene C MVN

From: David_Walther@fws.gov
Sent: Thursday, May 20, 2010 2:49 PM
To: Herman, Darlene C MVN; Duke, Ronnie W MVN
Cc: Jim_Boggs@fws.gov; Brad_Rieck@fws.gov; Patti_Holland@fws.gov; Jeff_Weller@fws.gov

The U.S. Fish and Wildlife Service (Service) has received your May 20, 2010, electronic mail (hand carried by Mr. Gary Couret) transmitting the subject emergency authorization request (MVN-2010-1041 WB). You requested our comments regarding the Louisiana Department of Natural Resources (DNR) proposed placement of HESCO baskets along the beach between Fourchon and Grand Isle in Lafourche and Jefferson parishes, Louisiana. DNR is submitting the permit on behalf of the Lafourche Parish Government and proposes to construct at minimum 2.25 miles of HESCO baskets to protect wetlands from the oil spill associated with the Deepwater Horizon (i.e., Mississippi Canyon 252) blowout. The comments below are submitted in accordance with the technical assistance provisions of the Fish and Wildlife Coordination Act (FWCA; 48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), but do not constitute the report of the Secretary of the Interior as required by Section 2(b) of that Act. In addition, these comments pertain to the Migratory Bird Treaty Act (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703 et seq.), and provide informal consultation information under the authority of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) in anticipation of emergency consultation.

The Service is committed to the protection of Louisiana's wetlands from ongoing land loss and the added impact of the oil spill. We also remain committed to working closely with all agencies involved in spill response efforts to further explore alternatives and alternative features in order to reduce the current degree of risk and uncertainty associated with any oil spill response activities.

On May 12, 2010, the Service provided a memo transmitting ESA emergency consultation procedures to Federal Agencies. In addition to the guidance provided in that memo, our office would like to add the following recommendations specifically designed to protect designated critical habitat for the Federally threatened piping plover:

*HESCO baskets should be placed approximately 6 feet gulfward from the dune crest (i.e., highest point of the beach) or existing beach vegetation. In areas void of vegetation or having no dune the baskets should be placed sufficiently landward of hightides to prevent any possible failure associated with beach erosion.

*All construction activities should be conducted on the gulfside of the baskets and the area landward of the HESCO baskets should be designated as a no-work zone.

*All vehicular traffic should be prohibited landward of the HESCO baskets;

Furthermore, the Service suggests the following recommendations as mitigative measures to minimize project-associated impacts to protect migratory birds:

* To minimize disturbance to colonies containing nesting gulls, terns, and/or black skimmers, the Service typically recommends that all activity occurring within 650 feet of a colonial nest site be restricted to the non-nesting period (i.e., September 16 through April 1). The Service should be notified when colonial bird nest sites are identified, and no activity should occur on the beach within the recommended buffer zones during the nesting season. An observer should monitor each colonial nest site to determine the minimum distance at which construction can occur without disturbing nesting birds. If the recommended buffer restrictions are not feasible for construction purposes, the Service should be contacted to assist in the determinations of the maximum distance practicable. That distance could be utilized as the construction zone buffer for that nesting area and a boom(s) could be placed in lieu of the baskets within that buffer distance until nesting season is complete at which time the baskets can be completed.

* Monitor post-construction and conduct necessary work to minimize any adverse impacts of oil removal work and short-term maintenance

Thank you for the opportunity to provide these comments. If you have any questions, please call Patti Holland at 337-291-3121, or myself at the number below.

David Walther
Supervisory Fish and Wildlife Biologist
US Fish and Wildlife Service
Lafayette, LA
[REDACTED]

Herman, Darlene C MVN

From: David_Walther@fws.gov
Sent: Thursday, May 20, 2010 3:04 PM
To: Herman, Darlene C MVN; Duke, Ronnie W MVN
Subject: Fourchon Beach and Grand Isle proposed emergency work

Attachments: ecblank.gif



ecblank.gif (128 B)

forgot the subject line

David Walther
US Fish and Wildlife Service
Lafayette, LA
337/291-3122 (fax 3139)

----- Forwarded by David Walther/R4/FWS/DOI on 05/20/2010 03:02 PM -----

David Walther/R4/FWS/DOI

05/20/2010 02:48 PM

To

Darlene.C.Herman@usace.army.mil, Ronnie.W.Duke@usace.army.mil

cc

Jim Boggs/R4/FWS/DOI@FWS, Brad Rieck/R4/FWS/DOI@FWS, Patti Holland/R4/FWS/DOI, Jeff Weller/R4/FWS/DOI@FWS

Subject

The U.S. Fish and Wildlife Service (Service) has received your May 20, 2010, electronic mail (hand carried by Mr. Gary Couret) transmitting the subject emergency authorization request (MVN-2010-1041 WB). You requested our comments regarding the Louisiana Department of Natural Resources (DNR) proposed placement of HESCO baskets along the beach between Fourchon and Grand Isle in Lafourche and Jefferson parishes, Louisiana. DNR is submitting the permit on behalf of the Lafourche Parish Government and proposes to construct at minimum 2.25 miles of HESCO baskets to protect wetlands from the oil spill associated with the Deepwater Horizon (i.e., Mississippi Canyon 252) blowout. The comments below are submitted in accordance with the technical assistance provisions of the Fish and Wildlife Coordination Act (FWCA; 48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), but do not constitute the report of the Secretary of the Interior as required by Section 2(b) of that Act. In addition, these comments pertain to the Migratory Bird Treaty Act (MBTA) (40 Stat. 755, as amended; 16 U.S.C. 703 et seq.), and provide informal consultation information under the authority of the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) in anticipation of emergency consultation.

The Service is committed to the protection of Louisiana's wetlands from ongoing land loss and the added impact of the oil spill. We also remain committed to working closely with all agencies involved in spill response efforts to further explore alternatives and

alternative features in order to reduce the current degree of risk and uncertainty associated with any oil spill response activities.

On May 12, 2010, the Service provided a memo transmitting ESA emergency consultation procedures to Federal Agencies. In addition to the guidance provided in that memo, our office would like to add the following recommendations specifically designed to protect designated critical habitat for the Federally threatened piping plover:

*HESCO baskets should be placed approximately 6 feet gulfward from the dune crest (i.e., highest point of the beach) or existing beach vegetation. In areas void of vegetation or having no dune the baskets should be placed sufficiently landward of hightides to prevent any possible failure associated with beach erosion.

*All construction activities should be conducted on the gulfside of the baskets and the area landward of the HESCO baskets should be designated as a no-work zone.

*All vehicular traffic should prohibited landward of the HESCO baskets;

Furthermore, the Service suggests the following recommendations as mitigative measures to minimize project-associated impacts to protect migratory birds:

* To minimize disturbance to colonies containing nesting gulls, terns, and/or black skimmers, the Service typically recommends that all activity occurring within 650 feet of a colonial nest site be restricted to the non-nesting period (i.e., September 16 through April 1). The Service should be notified when colonial bird nest sites are identified, and no activity should occur on the beach within the recommended buffer zones during the nesting season. An observer should monitor each colonial nest site to determine the minimum distance at which construction can occur without disturbing nesting birds. If the recommended buffer restrictions are not feasible for construction purposes, the Service should be contacted to assist in the determinations of the maximum distance practicable. That distance could be utilized as the construction zone buffer for that nesting area and a boom(s) could be placed in lieu of the baskets within that buffer distance until nesting season is complete at which time the baskets can be completed.

* Monitor post-construction and conduct necessary work to minimize any adverse impacts of oil removal work and short-term maintenance

Thank you for the opportunity to provide these comments. If you have any questions, please call Patti Holland at [REDACTED], or myself at the number below.

David Walther
Supervisory Fish and Wildlife Biologist
US Fish and Wildlife Service
Lafayette, LA
[REDACTED]

Herman, Darlene C MVN

From: Rachel Sweeney [Rachel.Sweeney@noaa.gov]
Sent: Thursday, May 20, 2010 3:15 PM
To: Herman, Darlene C MVN
Cc: Duke, Ronnie W MVN; Miles Croom
Subject: BP Oil Spill Response - Emergency Request -- proposed emergency work along Fouchon Beach and Grand Isle area in Lafourche/Jefferson, Parishes (MVN 2010-1041 WB)

Attachments: Rachel_Sweeney.vcf



Rachel_Sweeney.vcf
(374 B)

Darlene,

Below are Habitat Conservation Division's comments regarding the above referenced emergency request.

1. The baskets should be temporary features only and should be removed after the emergency is over unless otherwise coordinated with the agencies.
2. No tracking on marsh should occur with basket installation.
3. Rutted sand shorelines from construction equipment should be restored to the pre-project conditions to the maximum extent practicable.

Please excuse the slightly delayed response; some of our staff are experiencing e-mail problems.

Thanks, Rachel



BOBBY JINDAL
GOVERNOR

State of Louisiana

DEPARTMENT OF WILDLIFE AND FISHERIES
OFFICE OF WILDLIFE

ROBERT J. BARHAM
SECRETARY

JIMMY L. ANTHONY
ASSISTANT SECRETARY

May 20, 2010

Mr. Pete J. Serio, Chief
Regulatory Branch
United States Army Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160-0267

RE: *Application Number: MVN-2010-1041-WB*
Applicant: Lafourche Parish Government
Notice Date: May 20, 2010

Dear Mr. Serio:

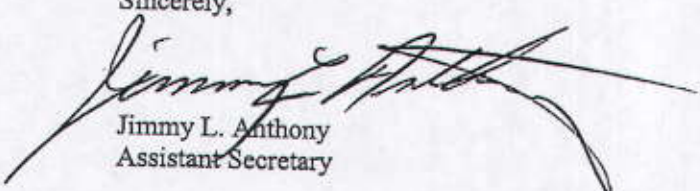
The professional staff of the Louisiana Department of Wildlife and Fisheries (LDWF) has reviewed the above referenced notice. Based upon this review, the following has been determined:

The sand utilized in this project shall be free of contamination and suitable for use in coastal restoration projects.

A review of the Louisiana Natural Heritage Database indicates that several federally listed or state rare species and natural communities are known to occur in the area. These species and communities include sea grass beds, coastal mangroves, brown pelicans, snowy plovers, piping plovers, manatees, diamondback terrapin, sea turtles, seabirds and wading birds.

The Louisiana Department of Wildlife and Fisheries appreciates the opportunity to review and provide recommendations to you regarding this proposed activity. Please do not hesitate to contact Habitat Section biologist Matthew Weigel at [REDACTED] should you need further assistance.

Sincerely,


Jimmy L. Anthony
Assistant Secretary

mw/cm

Herman, Darlene C MVN

From: Duke, Ronnie W MVN
Sent: Thursday, May 20, 2010 9:39 AM
To: Herman, Darlene C MVN
Subject: FW: email

For your information!!

-----Original Message-----

From: Barbara, Darrell MVN
Sent: Thursday, May 20, 2010 9:24 AM
To: Mayer, Martin S MVN; Duke, Ronnie W MVN; Quebedeaux, Bobby D MVN; Tewis, Robert M MVN; Farabee, Michael V MVN
Subject: FW: email

Just FYI,
Barbara Keeler with EPA Region 6, has asked if she could possibly be "cc" on any proposed emergency authorization requests which have agency notifications, so as to speed up communication between NO and Dallas EPA.

Barbara Keeler
Coastal & Wetlands Planning Coordinator
EPA Region 6 (6WQ-EC)
1445 Ross Ave., Suite 1200
Dallas, TX 75202-2733
tel: [REDACTED]
fax: [REDACTED]
e-mail: keeler.barbara@epa.gov

ORM PROCESSING SHEET

BPOil Spill
ORM

Applicant Lafourche Parish Government Agent _____

Description place these Baskets at Foundation to prevent oil from entering interior marshes

Proj. Manager Darlene Herman PM Code WB Parish Lafourche

Permit No. MVN 2010-1041WB (Ex.: MVN 2004-2159-CY)

Regulatory File Name (40 characters) _____

SP PGP GP 20 NWP _____ LOP Mod: w/PN w/oPN Timex: w/PN w/oPN

Authority: () 10 () 404 () 10/404 Circle Permit Types: ATF: Y or N PCN: Y or N

() Coastal Zone Management Act Procedure Classification: **OCZ CUP GP Local Exempt**

In description field enter (P# & Analyst last name): **P201** _____

Date printed on CUP / / Date CUP rec'd / /

() Section 401 WQC Procedure

In description field enter (WQC# & Analyst last name): **WQC#** _____

Date printed on WQC / / Date WQC rec'd / /

() Within Conservation Plan Boundary (CPB). Date CPB Coordinator contacted / /

Mitigation performed within the CPB: **Y or N**

Hydrologic Unit Code (HUC): _____

MITIGATION: Y or N Acreage/type _____ Location _____

DATES

Date Rec'd (stamped on application) May/20/2010 Date App Assigned May/20/2010

Date App Determined Complete / / Date of Receipt of Complete App / /

PUBLIC NOTICE: Begin / / End / / Time/ext requested by _____

Date requested / / Comment period extended until / /

ORM Subacts (required):

EFH (Essential Fish Habitat): Yes No begin / / end / /

ESA (Endangered Species Act): Yes No begin / / end / /

Congressional (add under request for action): Yes No begin / / end / /

FOIA request (add under request for action): Yes No begin / / end / /

MEETINGS (number):

Pre-app: Dates: / / ; / / Site visit: Dates: / / ; / /

Other: Dates: / / ; / /

FTO/Date Decision Mailed (date stamped on FTO - closes out EVAL SP, etc.) / /

STO (same as Date PMT Signed and End Date - closes out Request for Action) / /

Date PMT expires / /

PROCESSING TIME (days) _____

FURNISH COPY OF PERMIT TO: () Real Estate Division () NMFS () DNR (Conservation Plan Boundary Coordinator)

NOTES: 3/20/10 - Ronnie gave verbal.