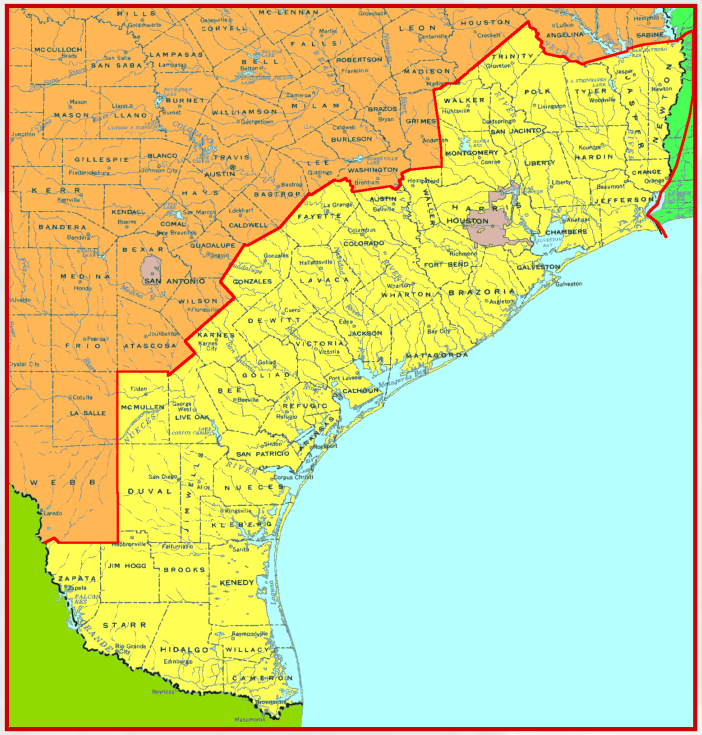
DREDGING YOUR DOCKS 2012

Mr. Jayson M Hudson
Regulatory Project Manager
Galveston District

US Army Corps of Engineers
BUILDING STRONG®

U.S. Army Corps of Engineers, Galveston District



Custodians of the Coast

- 50,000+ sq mi, with 700 miles coastline, 150 miles inland
- 48 counties, portions of 4 parishes with 16 congressional districts
- 340 dedicated professionals and annual budget of approximately $150 million

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Section 10 Rivers and Harbors Act of 1899

(33 U.S.C. 401)

- Structures and/or work in or affecting navigable waters of the United States
- Structures and/or work outside the limits of navigable waters, IF these structures or work could affect the course, location, or condition of the waterbody so as to impact its navigable capacity
- Artificial islands, installations, or other devices on the outer continental shelf

Section 404 Clean Water Act

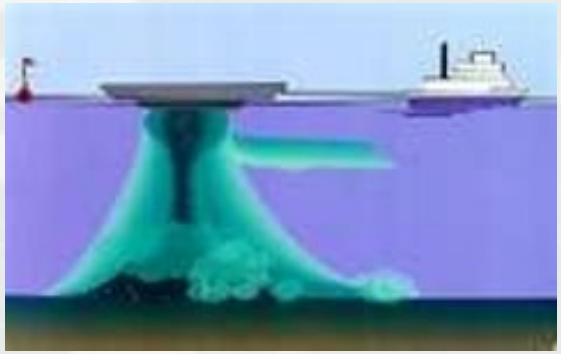
(33 U.S.C 1344)

- Discharge of dredged or fill material
- Activities Regulated as a Discharge of Dredged Material
  - Addition of dredged material to a specified discharge site located in waters
  - Runoff or overflow from a contained land or water disposal area
  - Any addition, including more than incidental redeposit of dredged material, mechanized landclearing, ditching, channelization, or other excavation

Section 103 Marine Protection, Research, and Sanctuaries Act

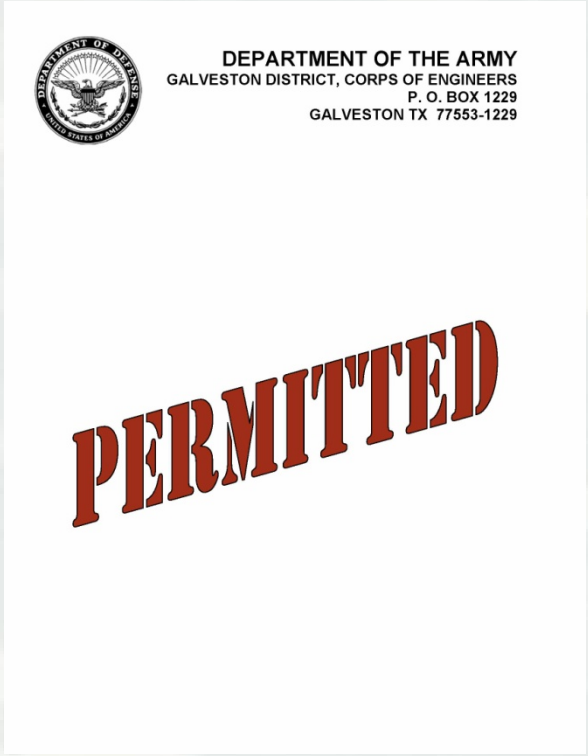
(Ocean Dumping Act - 33 U.S.C. 1413*)*

- Transportation of dredged material by vessel or vehicle for purpose of dumping (disposal) in ocean waters at disposal sites designated by EPA under 40 CFR 228
- Dredged material for purposes of Section 103 means any material excavated or dredged from “navigable” waters of the United States



Department of the Army Permits

- Nationwide Permits
  - Authorizes Section 10 and Section 404 actions
  - Minimal impact to aquatic environment
  - Expedite permit review process
- Letters of Permission
  - Authorizes Section 10 Actions ONLY
  - Non-Controversial Actions
- Standard Permit
  - Authorizes Section 10 and Section 404 Actions
  - Controversial Actions



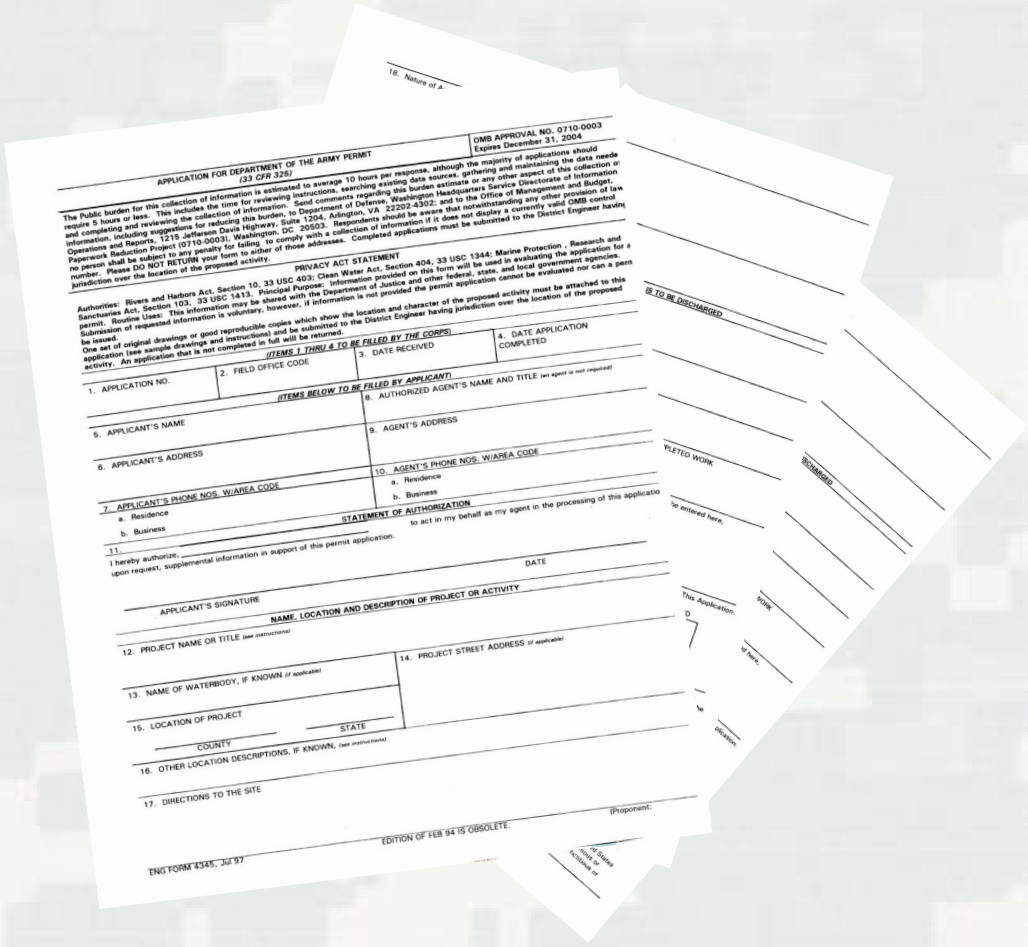
http://www.swg.usace.army.mil/BusinessWithUs/RegulatoryBranch/Permits.aspx

Nationwide Permits Useful for Docks

- NWP 3 – Maintenance of Structures
- NWP 13 – Bank Stabilization
- NWP 19 – Minor Dredging
- NWP 35 – Maintenance Dredging of Existing Basins
- NWP 16 – Water Quality Certification for return water from upland disposal

Applying for a DA Permit

- Engineer Form 4345
- Complete description of the proposed activity including necessary drawings, sketches, or plans sufficient for public notice

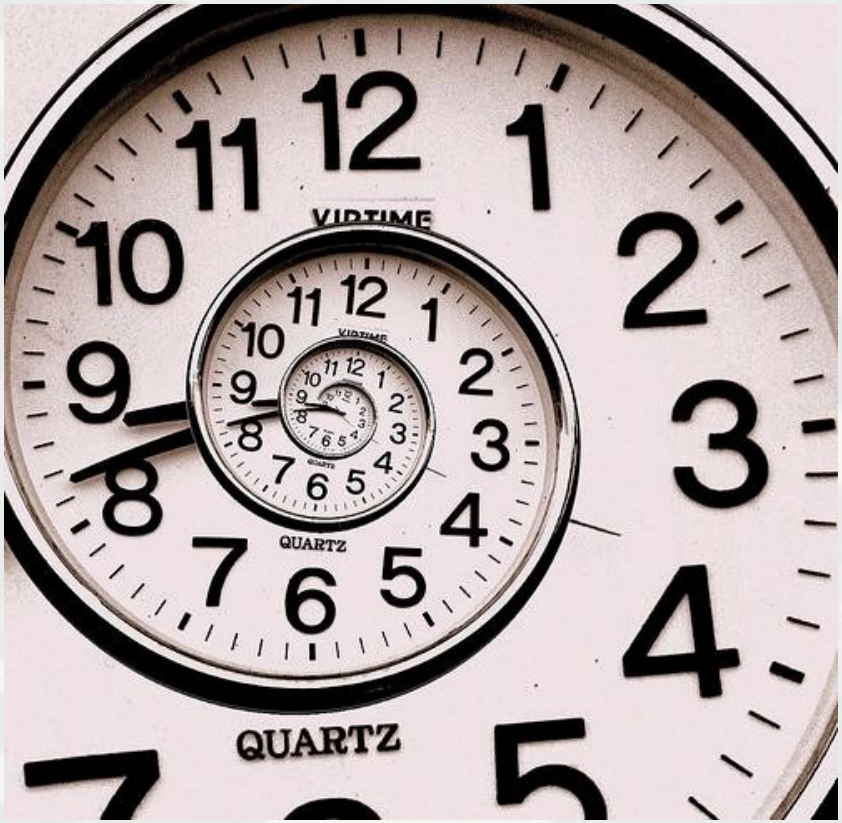


Public Notice Requirements

- Corps Authorities
- Location maps including dredge placement, project plans including the location and dimensions of adjacent structures
- Description, purpose and need, and scheduling of the proposed activity;
- List of authorizations required by other federal, interstate, state, or local agencies for the work, including all approvals received or denials already made
- Information on the characteristics and composition of the dredged material
- Threatened and Endangered Species, Coastal Zone Consistency, Water Quality , Historic properties, and Mitigation statements.

Why Did My Last Permit Take So Long

Primary Cause Of Delay For Applications Is Incomplete Or Contradictory Information



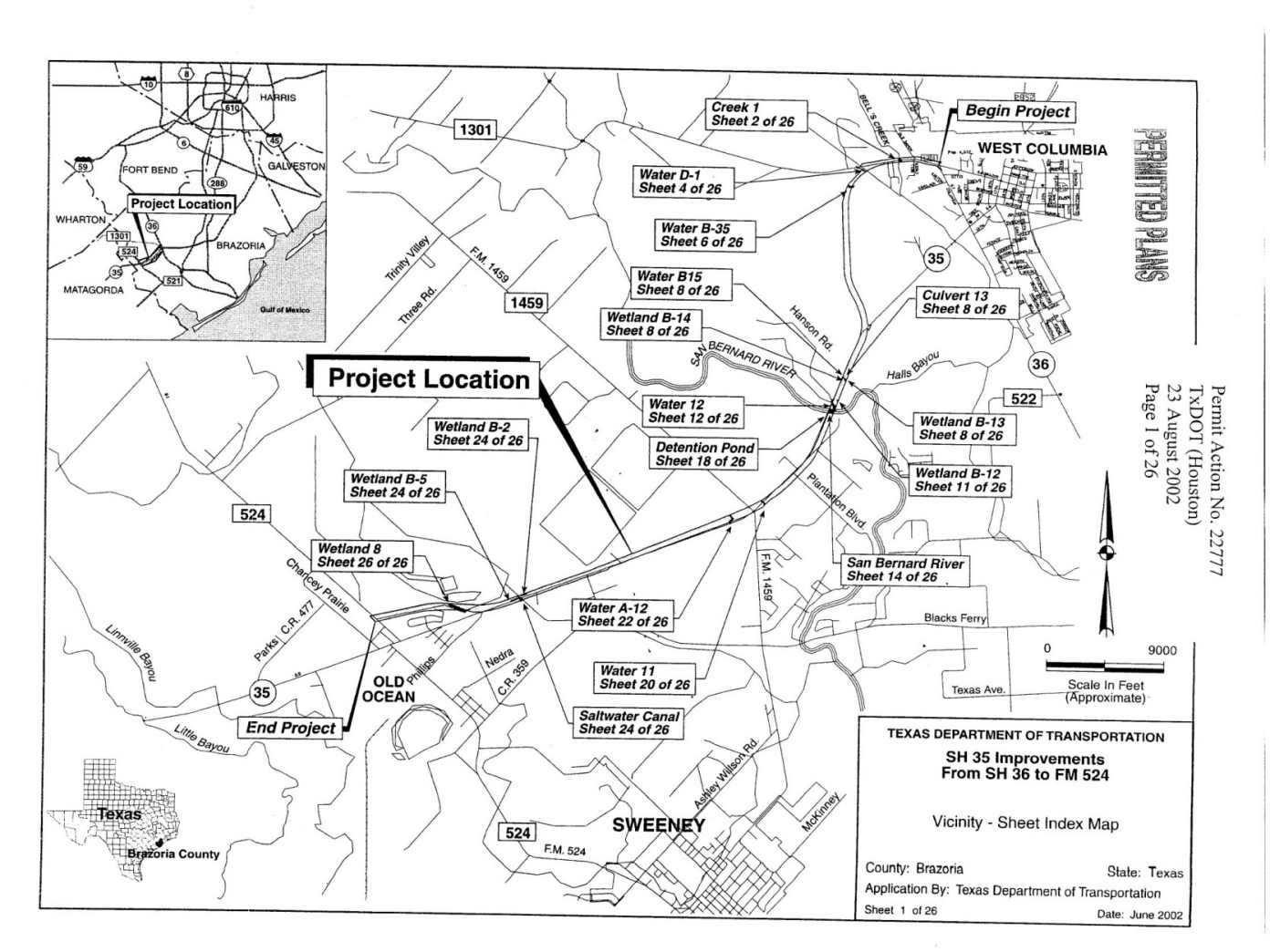
What Do We Recommend

- Review for correctness and completeness – is everything here that is required to publish a public notice
- Attach all relative information, including maps, drawings, photos, supporting documentation.
- Double check…triple check information for consistency between written information and drawings
- Remember to sign and date the Engineer From 4345
- Questions - Contact Corps.

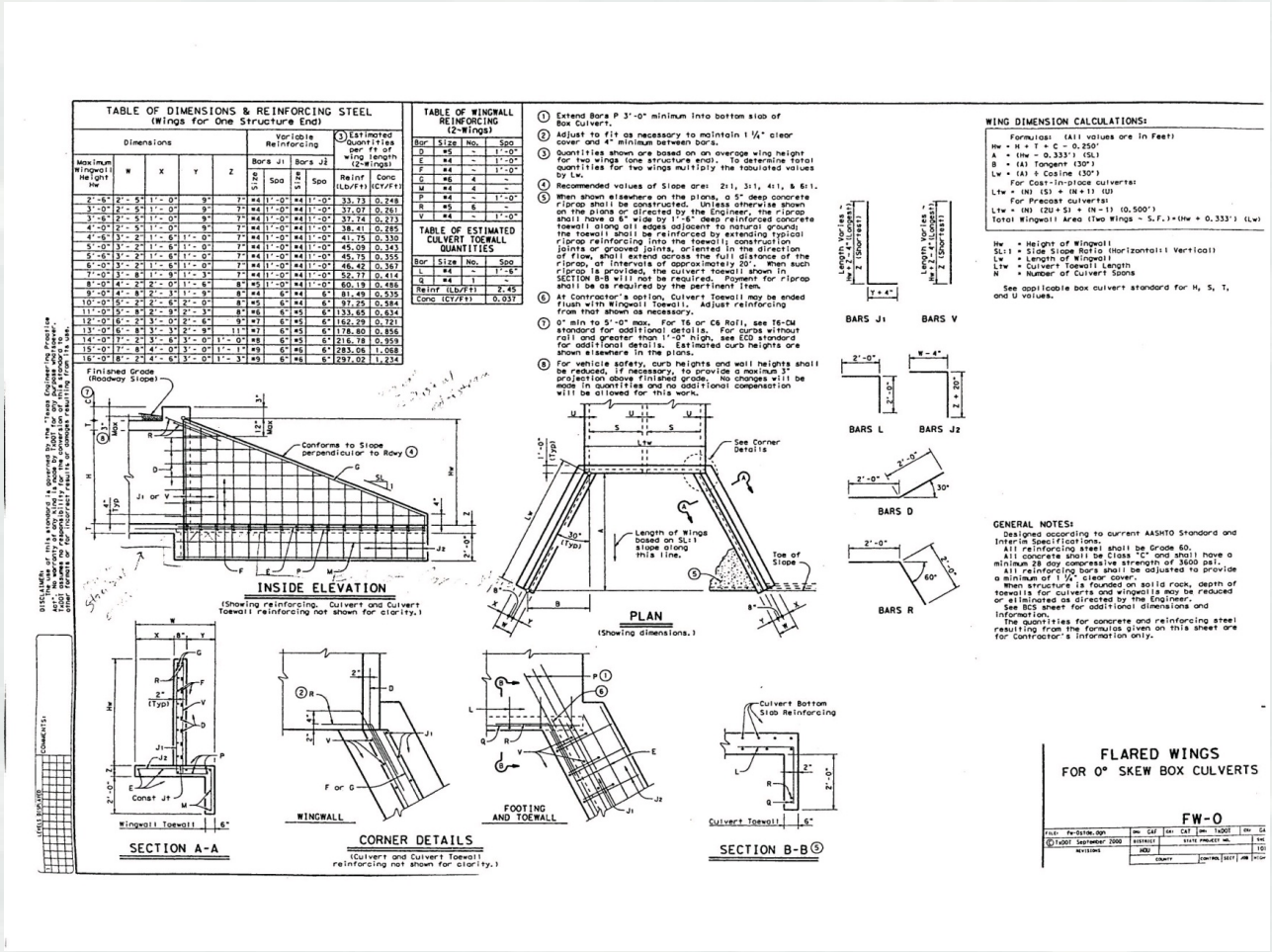
Drawings

- Black and White - 8.5” by 11” Paper
- Scale, All dimensions standard
- Complete Legend
- All Drawings consistent - Clear Details
- Tabular info MUST MATCH drawing info!
- Depict all jurisdictional, construction access, staging AND placement areas

Good Maps


HARRIS
FORT BEND
GALVESTON
WHARTON
BRAZORIA
MATAGORDA
Gulf of Mexico
Project Location
Project Location
Begin Project
End Project
WEST COLUMBIA
OLD OCEAN
SWEENEY
1301
1459
524
522
35
36
Creek 1 Sheet 2 of 26
Water D-1 Sheet 4 of 26
Water B-35 Sheet 6 of 26
Water B15 Sheet 8 of 26
Wetland B-14 Sheet 8 of 26
Culvert 13 Sheet 8 of 26
Water 12 Sheet 12 of 26
Detention Pond Sheet 18 of 26
Wetland B-2 Sheet 24 of 26
Wetland B-5 Sheet 24 of 26
Wetland 8 Sheet 26 of 26
Wetland B-13 Sheet 8 of 26
Wetland B-12 Sheet 11 of 26
San Bernard River Sheet 14 of 26
Water A-12 Sheet 22 of 26
Water 11 Sheet 20 of 26
Saltwater Canal Sheet 24 of 26
Trinity Valley
Three Rd.
F.M. 1459
SAN BERNARD RIVER
Hanson Rd.
Halls Bayou
Plantation Blvd.
Blacks Ferry
Texas Ave.
Chaircey Prairie
Parks C.R. 477
Linnville Bayou
Little Bayou
Phillips
Nedra
C.R. 359
Ashley Willson Rd.
McKinney
F.M. 524
0
9000
Scale In Feet (Approximate)
Texas
Brazoria County
PERMITTED PLANS
Permit Action No. 22777
TxDOT (Houston)
23 August 2002
Page 1 of 26
TEXAS DEPARTMENT OF TRANSPORTATION
SH 35 Improvements
From SH 36 to FM 524
Vicinity - Sheet Index Map
County: Brazoria
State: Texas
Application By: Texas Department of Transportation
Sheet 1 of 26
Date: June 2002

Limit information to that necessary for permit evaluation purposes



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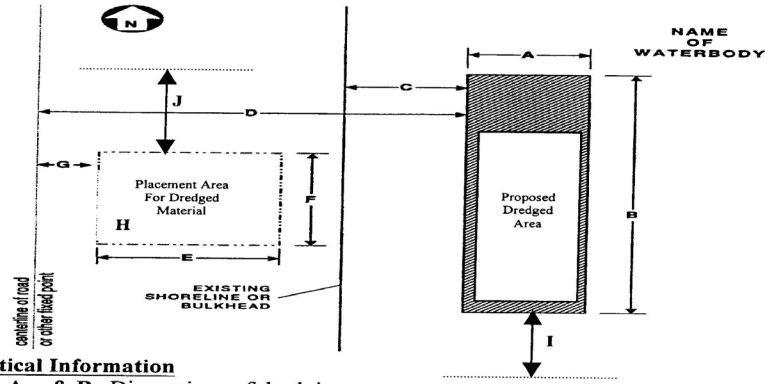
Example Plans – Dredging

Typical Plan View for Mechanical/Hydraulic Dredging Area

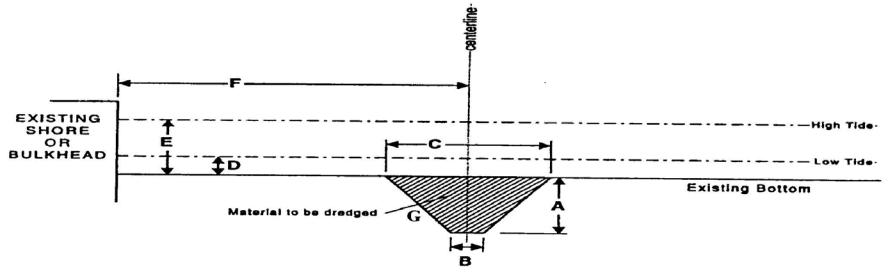


Critical Information

- **A. & B.** Dimensions of dredging area.
- **C.** Distance of dredging area from existing shoreline or bulkhead.
- **D. & I.** Distance of dredging area from fixed reference point.
- **E. & F.** Dimensions of dredged material placement area.
- **G.** Distance of dredged material placement area from the fixed reference point.
- **H.** Capacity (cubic yards) of dredged material placement area.
- **J.** Distance of placement area from fixed reference point.

Include information on the type of dredging (hydraulic or mechanical).
Please include North arrow.
Provide details on methods of moving dredged material to planned placement area.

Typical Cross-Section View of Dredged Area or Dredged Channel

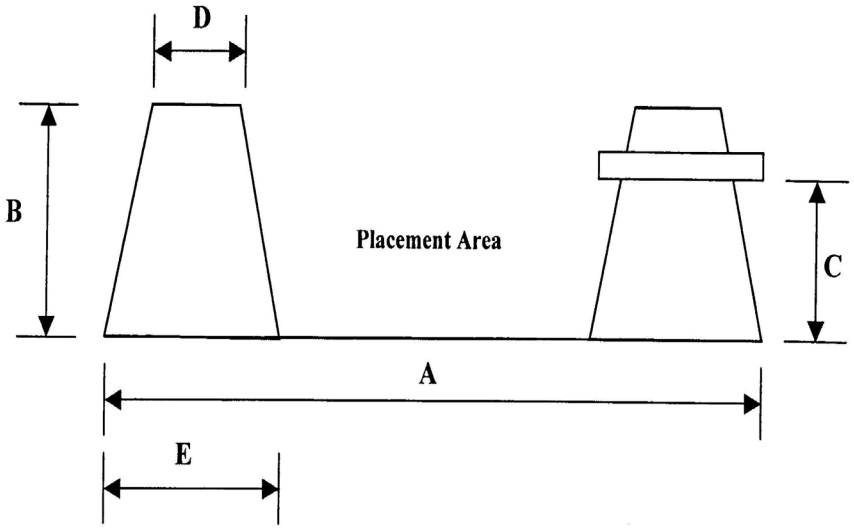


Critical Information

- **A.** Depth of proposed excavated channel or dredged area.
- **B.** Width of proposed channel at bottom of channel.
- **C.** Width of proposed channel at top of channel.
- **D.** Water depth (existing bottom) at mean low tide or ordinary low water.
- **E.** Water depth (existing bottom) at mean high tide or ordinary high water.
- **F.** Distance from the centerline of proposed channel or edge of proposed dredged area to existing shore or bulkhead.
- **G.** Amount of material to be removed (cubic yards).

Example Plans – Confined Disposal

Typical Cross-Section View of Dredged Material Placement Area for Hydraulic Dredging Projects



Critical Information

A. Dimension of dredged material placement area.
B. Retaining wall height.
C. Weir structure or outfall pipe height.
D. Retaining wall width at the top.
E. Retaining wall width at the base.

Please indicate how the run-off from the placement area is going to return to the main water body.

Specific Issues Related to Dredge Material Placement –

- *Confined Upland Placement*
- *Beneficial Use*
- *Material testing*

Confined Disposal Facilities (CDF)

Hart Miller Disposal Area in Baltimore

Craney Island in Virginia

Lake
Huron

Cleveland
(Cuyahoga River)

Beneficial Uses

- Wetland Habitat
- Shoreline Protection
- Beach Renourishment
- Recreation
- Agriculture
- Island Habitat
- Construction Fill
- Construction Materials
- Mine Land Restoration

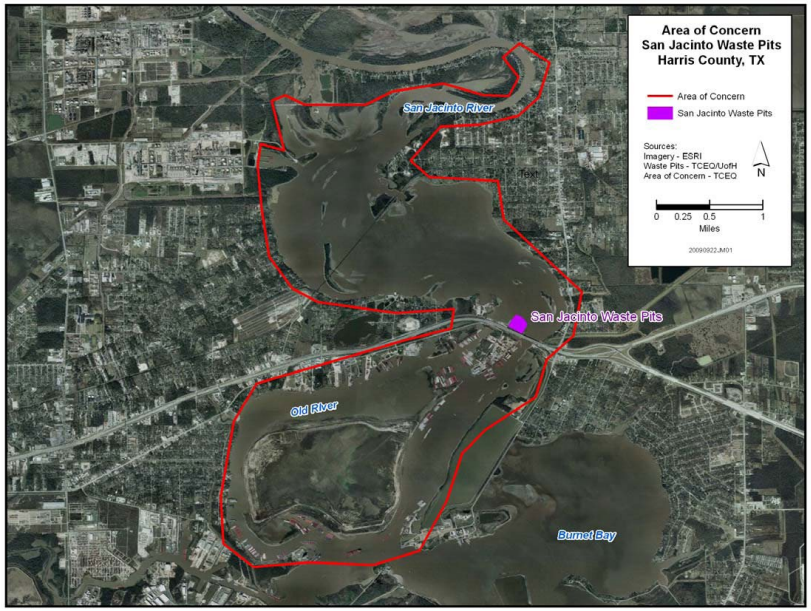
http://el.erdc.usace.army.mil/dots/budm/budm.cfm

Testing Manuals

- Tiered testing and evaluation
- Testing procedures (elutriate, benthic, and bioaccumulation)
- Computer Models for mixing
- Statistical tools, QA/QC, and data interpretation
- Case-specific evaluations

San Jacinto River Waste Pits

San Jacinto River Waste Pits



- On March 19, 2008, the EPA placed the San Jacinto River Waste Pits Superfund Site on the National Priorities List
- All permit applicants and existing permitees within the area of concern must conduct certain sampling events

http://www.swg.usace.army.mil/Portals/26/docs/regulatory/SanJacinto.pdf

How We Can Help

- Early consultation can save you schedule and budget headaches.
- Pre-application meetings are available for the regulated public to get feedback in your project planning stages.
- Regulatory project managers and administrative staff are there to assist you. If there's a question, ASK!

Questions!?

Contact us:

Location: *U.S. Army Corps of Engineers*
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2000 Fort Point Road
Galveston, TX 77550

Mailing Address:
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P.O. Box 1229
Galveston, TX 77553-1229

Telephone: *409-766-3982 or*
409-766-3891
Fax: 409-766-3931

Field Office:
Corpus Christi Field Office
5151 Flynn Parkway, Suite 306
Corpus Christi, Texas 78411
Telephone: 361-814-5850
Fax: 361-814-5912

On the web at:
http://www.swg.usace.army.mil/BusinessWithUs/RegulatoryBranch.aspx