

ittle Calumet River Basin Development Commission

8149 Kennedy Avenue Highland, Indiana 46322

(219) 923-1118

ARLENE COLVIN, Chairperson Mayor of Gary's Appointment

MEETING NOTICE

GEORGE CARLSON, Vice-Chairman

Mayor of Hammond's Appointment

CLYDE BAUGHARD, Treasurer Governor's Appointment

WILLIAM CRITSER, Secretary Governor's Appointment

CHARLES AGNEW

Governor's Appointment

NATHANIEL LEONARD

Lake County Commissioners Appounment

STEVE DAVIS

Dept. of Natural Resources Appointment

JOHN DEMEO

Governor's Appointment

DAVID SPRINGMAN

Governor's Appointment

WILLIAM TANKE

Porter County Commissioners' Appointment

VACANCY

Governor's Appointment

DAN GARDNER

Executive Director

THERE WILL BE A MEETING OF THE

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION AT 6:30 P.M. THURSDAY, NOVEMBER 1, 1990 AT THE OFFICE OF THE REGIONAL PLANNING COMMISSION

> 8149 KENNEDY AVENUE HIGHLAND, INDIANA

AGENDA

Call to Order by Chairperson Arlene Colvin

2. Recognition of Visitors, Guests

3. Approval of minutes of October 4th meeting

1-4

4. Reports of Standing Committees

> Finance/Policy Committee - Clyde Baughard, Treasurer

Financial status report

Approval of claims for October

 Budget Line transfer Transfer \$2500 from Line 312 NIRPC Services to Line 323 Travel & Mileage

• Other issues

В. Legislative Committee - George Carlson, Chairman

Federal Issues:

> Receipt of \$195,000 local cash contribution to be placed in escrow

Report on contracting workshop/seminar held October 29th at I.U. Northwest

>Other issues

5

- B. Legislative Committee cont'd
 - State issues:
 - Report on State Budget Hearing held 10/18 in Indpls. 8-9
 Other issues
- C. Land Acquisition/Management Committee -Charles Agnew, Chairman
 - Committee meeting at 5:30 p.m.
 - Appraisals, offers, acquisitions, recommended actions
 - Letter regarding Gary park land use

10-17

15

- Report on van trip to view project lands on 10/6
- Other issues
- D. Interim Flood Control/Planning Committee -Clyde Baughard, Chairman
 - Basin Commission met 7:00 p.m. Monday, 10/22
 - Approval of contract with ConRail/Basin Commission
 - Meeting held 10/16 on closures for flood control project
 - Future meeting with Civil Defense people on 11/29
 - Woodmar Country Club letter to Corps
 - Other issues
- E. Breakwaters/Marina Committee Bill Tanke, Chairman
 - Consideration for 1991 lease extension Marquette
 Yacht Club slips
 - Report on marina site sand testing estimate approach
 - Report on Meeting with Frank Martin, Executive Director, Indiana Port Commission re: sand mitigation issues
 - >Presentation to Indiana Port Commission board 10/31
 - Other issues
- 5. Other Business
- 6. Statements to Board from the floor
- 7. Set date for next meeting, adjournment

MINUTES OF THE LITTLE CALUNET RIVER BASIN DEVELOPMENT COMMISSION

HELD AT 6:30 P.M. THURSDAY, OCTOBER 4, 1990 AT THE COMMISSION OFFICES 8149 KENNEDY AVENUE, HIGHLAND, INDIANA

Chairperson Arlene Colvin called the meeting to order at 6:35 p.m. Ten (10) Commissioners were present. Quorum was declared and guests were recognized.

<u>Development Commissioners:</u>

Charles Agnew
Clyde Baughard
Dave-Springman
Steve Davis
Nathaniel Leonard
William Critser
George Carlson
Arlene Colvin
John DeMeo
William Tanke

Staff:

Dan Gardner Lou Casale, Attorney Bruce Stouffer Sandy Mordus

<u>Visitors:</u>

Kevin Voigt - The Times
Pete Zak - South Shore Marina
Mary Jane Zak - " "
Cynthia Graham - Dixon Develop
Dick Wawrzyniak - IDNR
Sherylin Freeland - Congressman Visclosky's Office
Ola Kennedy - Lake County Park
Board
Richard Bundy - Salmon Unitd.

A motion was made by Clyde Baughard to approve the minutes of the September 6th meeting; motion seconded by George Carlson; motion passed unanimously.

Finance/Policy Committee - Treasurer Clyde Baughard presented the financial status report for September as well as the claims. Mr. Baughard made a motion to approve the pending claims; motion seconded by John DeMeo; motion passed unanimously.

Legislative Committee - Committee Chairman George Carlson gave the committee report. He referred to our letter transmitting the check for \$160,000 which represents the first local cash contribution for the project. He also referred to the Corps letter requesting the second local cash contribution of \$195,000 to be placed in the escrow account.

LCRBDC Minutes October 4, 1990 Page 2

Mr. Carlson stated that at the request of the Congressman's Office, a seminar/workshop had been scheduled for Monday, October 29th at I.U. Northwest. The workshop will cover the bidding procedures relative to the construction of the project. The seminar would be aimed at contractors who might possibly desire federal contracts and this would enable them to be informed of what type of contracts would be forthcoming and how to proceed with filing a bid with the federal government. Sherylin Freeland from the Congressman's Office informed us that registration started at 8:30 and the workshop begins at 9:00. Over 130 notices were sent out to local businesses.

Mr. Carlson informed the Commission that a the Build Indiana Fund has appropriated \$1.5 million to the Development Commission. A hearing date of October 18th has been scheduled for the State Budget Agency. Mr. Gardner will testify that \$3 million in total is needed in this biennium to be able to satisfy the Corps as the project moves along. The Capital Review Committee has recommended a specific amount to be appropriated. There were about six agencies recommended to receive money, one of which was the Development Commission. Mr. Gardner will invite the LTC Inouye to the hearing, as well as staff from the Congressman's Office and Senator's Office.

Mr. Gardner also informed the Commission that the Building Indiana Capital Projects Review Committee also recommended funds of \$3 million for Black Oak sanitary sewers.

Land Acquisition/Management Committee - Committee Chairman Chuck Agnew announced that two properties (DC246 and DC248) had closed this month. Of the total 198 lots required, we have acquired 83 to date or 42%.

Mr. Agnew made a motion to make an offer to Howard Marion at 3302 Colfax for the appraisal price of his home. Because the Commission has supported levee protection on Burr St., Mr. Marion's property is now needed; motion seconded by Clyde Baughard; motion passed unanimously.

Mr. Agnew made a motion to increase replacement housing cost by \$1,700 on DC233; motion seconded by Clyde Baughard; motion passed unanimously.

A motion was made by Mr. Agnew to approve an easement to the city of Portage for construction of a sewer line to run across Commission property up to Midwest Steel; motion seconded by Nathaniel Leonard. After discussion, the motion was tabled until such a time that more information can be given and until we receive a plan and profile on the easement. Motion died.

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Mr. Agnew then made a motion to approve an easement to Gary Hobart for a water line. Gary Hobart already had an easement with the State Highway. The agreement just transfers the easement rights from the Development Commission instead of the State Highway; motion seconded by Bill Tanke; motion passed unanimously.

It was reported that the Corps of Engineers has awarded the first contract relative to the flood control/recreation project. The contract was awarded to Riggins Demolition Company in Gary for the removal of two homes and one burnout.

National Lakeshore concept plan was distributed to all members. Discussion took place on the plans outlined. Mr. Gardner will forward comments on to National Lakeshore office.

Interim Flood Control Committee - Committee Chairman Clyde Baughard reported that the Basin Commission will meet on October 22nd. It is anticipated that they will sign the final draft of the Conrail Agreement so project can proceed. The attorney has mailed the final draft to Conrail but it has not been returned as yet. The Development Commission will assume the responsibility of the project after December 31 (when the Basin Commission ceases to exist). He also stated that an agreement would have to be put in place in order to transfer unspent funds from the Basin Commission to the Development Commission on December 31, 1990.

Breakwaters/Marina Committee - Committee Chairman William Tanke gave report. He informed Commission that the 2nd annual report "Burns Waterway Small Boat Harbor Monitoring Program" for Porter County, IN has been received. It outlines detailed erosion data that the Corps monitors.

Mr. Gardner reported he has talked to the Governor's Office about setting up another meeting to find a solution to the problem of sand removal. He will keep Commission informed.

The city of Portage and the Lake Michigan Marina Development Commission has been recommended to receive \$5 million from the Build Indiana Fund. With the marina money already earmarked for Portage and with an additional \$1 million, the city has expressed interest in pursuing the public marina itself. Mr. Tanke expressed his concern that we are not making progress fast enough for the Corps.

Discussion ensued on sand borings. Mr. Gardner stated that there is \$44,500 earmarked for this from the DNR. It was the general feeling that borings should be taken. Bill Tanke made a motion instructing the Secretary to secure quotes for the cost of sand borings; motion seconded by Bill Critser; motion passed unanimously.

LCRBDC Minutes October 4, 1990 Page 4

Statements from the floor - Richard Bundy, Salmon Unlimited, informed the Commission that when Lefty's sold out their marina, they took down the fence and gate that secured the property on the east side of the waterway. Staff will investigate and check on the best way to secure.

There being no further business, the meeting was adjourned at 7:20 p.m. The next meeting was scheduled for November 1, 1990.

/sjm

MERCANTILE NATIONAL BANK

JANUARY 1, 1990 - SEPTEMBER 30, 1990

CASH POSITION - JANUARY 1, 1990 CHECKING ACCOUNT LAND ACQUISITION GENERAL FUND TAX FUND INVESTMENTS	* *	19,369.97 55,692.86 1,124.07 916,500.00	\$	992,686.90
RECEIPTS - JANUARY 1, 1990 - SEPTEMBER 30, 1990 LEASE RENTS INTEREST LAND ACQUISITION TAX FUND MISCELLANEOUS INCOME	*	41,633.89 64,463.10 825,474.97 9,481.92 97.39	*	941,151.27
DISBURSEMENTS - JANUARY 1, 1990 - SEPTEMSER 30, 1989 EXPENSES PAID IN 1990 TAXES PER DIEM EXPENSES LEGAL SERVICES N I R P C TRAVEL MILEAGE PRINTING & ADVERTISING BONDS & INSURANCE MEETING EXPENSES L/A PROFESSIONAL SERVICES (A) APPRAISAL SERVICES (C) ENGINEERING (D) LAND PURCHASE CONTRACTUAL (E) OPERATIONAL CONTRACTUAL (F) MARKET ECONOMIC SERVICES (G) MOVING & RELOCATION EXPENSES L/A LAND FURCHASE COST L/A LAND CAP. IMPROVEMENTS CASH CONTRIBUTION L/A INSURANCE TOTAL DISBURSEMENTS:	1990	15,988.84 8,860.27 3,950.00 5,038.41 38,413.82 5,979.20 947.95 5,918.50 1,235.55 10,345.00 1,100.00 18,931.26 31,528.35 12,860.90 38,343.58 18,759.00 171,376.37 117,207.70 160,000.00 15,267.90	\$	682,052.70
CASH FOSITION - SEPTEMBER 30, 1990 CHECKING ACCOUNT LAND ACQUISITION GENERAL FUND TAX FUND INVESTMENTS	\$	244,171.56 89,490.05 1,623.86 916,500.00		1,251,785.47



NORTHWESTERN INDIANA PLANNING COMMISSION

8149 Kennedy Ave. Highland, Indiana 46322

CONTRACT NO: P1.01

DATE: <u>SEPT. 11, 1990</u>

LITTLE CALUMET RIVER BASIN ORGANIZATION: DEVELOPMENT COMMISSION

CONTRACT CODE: 952

PROJECT: FOR SERVICES PERFORMED DURING AUGUST 1990

INVOICE NO: ___ 08

INVOICE	
SALARIES AND FRINGE BENEFITS: DAN GARDNER & SANDY MORDUS	\$ 3,900.00
ROOM RENTAL FOR ADDITIONAL LCRBDC STAFF	215.00
ACCOUNTING SERVICES	150.00
TELEPHONE: LOCAL SERVICE	60.00
TELEPHONE: BILLABLE CHARGES (ATTACHMENTS)	62.42
POSTAGE	111.65
COPYING CHARGES @ \$.05 PER COPY	99.95
GRAPHICS/PRINTING TIME @ \$17.50 PER HOUR (ATTACHMENTS)	105.00
STAFF MILEAGE/EXPENSES	6.72
OTHER CHARGES (ATTACHMENTS)	
TOTAL AUGUST 1990	\$ 4,710.74
OUTSTANDING PAYMENT DUE	-0-
TOTAL PAYMENT DUE	\$ 4,710.74

Work on Little Calumet to begin this month

By KEVIN VOIGT Times Correspondent

HIGHLAND – After more than 25 years of planning and bureaucratic maneuvering, work on the Little Calumet River Project will begin this month.

Three abandoned homes in the Black Oak area of Gary will be torn down to make way for a new levy.

Though a small step, it was nonetheless welcome news to project commissioners.

"After being on the commission since

1971, I think it's great," Charles Agnew, chairman of the Management and Land Acquisition Committee, said at a commission meeting Thursday.

"This has been in the works since the '60s, seemingly forever," said Dan Gardner, executive director of the project.

The project – designed to curb flooding on the Little Calumet River – began to be studied by the Army Corps of Engineers in 1965 with the endorsement of then Indiana Sen. Birch Bayh.

Now, 25 years later, the project will see

construction under the administration of Bayh's son, Gov. Evan Bayh.

Noting the irony, Gov. Bayh once quipped to Gardner: "It's about time this family finished the project."

Plans stalled in the 1970s as the Army Corps of Engineers, under pressure from environmentalist, overhauled its procedure for approving projects, Gardner said. But the bureaucratic cogs picked up speed in the 1980s.

Next spring, major construction of levees will begin in Gary, Gardner said. Eventually, flood walls and levees – some replacing ex-

isting structures — will be built along the river between Interstate 65 in Gary and the Illinois state line, along with 16.8 miles of hiking trails.

The entire project will take seven to eight years to complete and cost around \$82 million, he said.

On Oct. 29, the Army Corps of Engineers will have a seminar for local contractors on federal contract procedures. Registration is at 8:30 a.m., with the seminar following at 9 a.m. More than 120 invitations have been sent to area contractors, Gardner said."

MEMORANDUM

TO: Applicants to Build Indiana

Capital Projects Review Committee

FROM: Frank Sullivan, Jr., Chairman

Build Indiana Capital Projects Review Committee

DATE: October 4, 1990

SUBJ: Report and Recommendations of the

Build Indiana Capital Projects Review Committee

As Chairman of the Build Indiana Capital Projects Review Committee, I am pleased to transmit to you the recommendations of the Build Indiana Capital Projects Review Committee.

These recommendations are advisory in nature and subject to approval, modification, or rejection by the Indiana General Assembly. As such, no actual funding for any of these projects has been approved at this time.

2. Flood Control. The state has provided assistance to local communities for flood control projects through direct grants, generally through the Department of Natural Resources, and through grants to regional commissions formed under state statute. The Committee recommends funding two applications, the Headwaters Flood Control and Park Project and the Little Calumet River Basin Development Commission, in accordance with this tradition. The Committee recommends that these grants be contingent upon the recipients securing matching funds at least equal to the amount of the grants.

The Headwaters Park is a cooperative effort of the City of Fort Wayne, Allen County, and the state to control flooding in a thirty acre area of downtown Fort Wayne. In 1985, more than half the cost of flood damage in the city (an estimated \$3.9 million out of a \$7 million total) occurred in this area. The total budget for this project is \$10,097,000, of which \$2,980,000 is sought from the state. An appropriation of \$400,000 from the Build Indiana Fund has already been made to this project. The Committee recommends that \$1,100,000 be appropriated from the Build Indiana Fund for this project.

The Little Calumet River Basin Development Commission is charged with flood control and recreation development along approximately ten miles of the Little Calumet River in Lake County from the Illinois state line eastward. It is estimated that over \$6 million in yearly flood damages are experienced along the Little Calumet River as over 9,500 structures are located in floodplain areas. The federal government is expected to contribute over \$67 million in construction appropriations to the total estimated \$90.6 million cost of this project, with local and municipal participation totaling another \$4,000,000. An appropriation of \$1,500,000 per year is required to draw all available federal funds. The Committee recommends that \$1,500,000 be appropriated from the Build Indiana Fund for this project.

Appropriations recommended:

FORT WAYNE HEADWATERS FLOOD CONTROL AND PARK PROJECT

\$1,100,000

LITTLE CALUMET RIVER

BASIN DEVELOPMENT COMMISSION

\$1,500,000

State aid requested for flood project

By THOMAS INKLEY Times Staff Writer

INDIANAPOLIS - Northwest Indiana wants \$3 million in state funds to pay for part of the Little Calumet River flood control-recre-

ation project.

The request for state money for the estimated \$91 million project was made Thursday to the State Budget Committee, which will recommend an amount for the 1991-92 state budget.

The Build Indiana Capital Projects Committee already has recommended spending \$1.5 million from lottery profits on the project in the

next two years.

Dan Gardner, executive director of the Little Calumet River Basin Development Commission, told the committee another \$6 million will be needed from the state in the next six years.

Representatives of Rep. Peter Visclosky, D-Ind., and Sen Richard Lugar, R-Ind., attended the hearing to support the project.

Visclosky's district director, Tom Browne, said completing the project will provide comprehensive flood control for Hammond, Gary, Munster, Griffith, Highland, Lake Station and Portage to prevent an estimated \$11.8 million per year in flood dam-

Gardner said the finished project will protect 8.700 homes and businesses from flood damage, including the campus of Indiana University Northwest.

Lt. Col. Randall Inouye, district engineer for the U.S. Army Corps of Engineers, said in the next seven years, 9.5 miles of the riverbanks will be replaced with more than 12 miles of levees and floodwalls.

In addition, nearly 10 miles of levees set back from the river will be built, a control device will be installed at Hart Ditch, 39 homes will be flood-proofed, 29 structures will be moved from the floodplain, and seven miles of the river will be dredged - creating nearly 17 miles of hiking trails and preserving 788 acres of wetlands.

Construction began this fall, Inouye said, with a \$12,500 contract to remove three structures from the floodplain in the Black Oak area.

Inouve said the first of eight major construction project starts this summer, with a levee extending from Burr Street to Broadway in Garv.

A possible snag in completing that work on time, December 1992, is the current budget negotiations in Congress, he said. President George Bush's proposed budget calls for spending \$3.3 million in 1991 for the project.

LAW OFFICES

OF

JULIAN B. ALLEN

ATTORNEY AT LAW
PROFESSIONAL CORPORATION
437 CONNECTICUT STREET
GARY, INDIANA 46402

TELEPHONE 866-2888
AREA CODE 219

October 5, 1990

Dan Gardner, Executive Director Little Calumet River Basin Development Commission 8149 Kennedy Avenue Highland, Indiana 46322

Dear Dan:

My client, the Gary Park Board, desperately needs an answer to what we perceive as a relatively simple question: namely, what use can be made of real estate owned by the Park Board between the walls of the dikes that will be constructed by the Corps of Engineers in connection with the Little Calumet River Basin Project? The Board would like to have that answer from the Corps of Engineers in writing. The Board feels further that it is unable to make any definitive plans in connection with the Project until and unless it has that answer.

If there are any questions, please call.

Very truly yours,

JULIAN B. ALLEN
ATTORNEY AT LAW, P.C.

BY

Iulian B. Allen

JBA/myh

cc: Board Members
Edmond Vasquez, Superintendent
Arlene Colvin, Esq.



DEPARTMENT OF THE ARMY CHICAGO DISTRICT, CORPS OF ENGINEERS

111 NORTH CANAL STREET CHICAGO, ILLINOIS 60606-7206

12 October 1990

Life Cycle Project Management Office

Mr. Dan Gardner
Executive Director
Little Calumet River Basin
Development Commission
8149 Kenndey Avenue
Highland, Indiana 46322

Dear Mr. Gardner:

Pursuant to your recent request we have reviewed the area in the project west of Broadway known as Recreation Area number 5.

The area north of the east-west park access road was discussed during recent months in connection with the proposal to construct a Botanical Garden. Any proposed construction in this area would be governed by State/local regulations concerning such activities in a floodway. Coordination directly with the Detroit District, U.S. Army Corps of Engineers would also be required for obtaining construction permits. This office should be informed of any proposal which might reduce the volume of flood water storage.

We focused our review effort on the area between the eastwest park access road and the river because we understand this
area is of primary concern to the Gary Park Board. Based on our
understanding of that concern three goals were assigned to the
review. Those goals and the review result are listed below.

a. Firstly to determine whether or not wetlands are existing. A joint site visit was made last month by Mr. Paul Whitman, Ecologist in our Environmental and Social Analysis

Branch and Mr. John Richardson of the Detroit District's
Regulatory Branch. They found that the area appears to have
become gradually wetter in recent times since it was abandoned as
a golf course. The surficial soils throughout the site are
Warner's silt loam, a generally poorly drained wetland soil. As
a result, the area is beginning to revert back to wetland.
Portions of the site have been classified as wetland according to
the U.S. Fish and Wildlife Service's National Wetland Inventory
area map.

Portions of the area held ponded water for over two weeks after a major rainfall in late August of this year. This indicates the site does have wetland hydrologic characteristics.

During the site visit it was noted that wetland vegetation covered most of the entire site in a pattern roughly equivalent to the 592 foot contour as marked on enclosure 1. The actual boundary limits of the wetland are approximate. A detailed wetland delineation would be required to determine more precise boundary limits. A list of the plants observed is included as enclosure 2.

The U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, Soil Conservation Service, and Corps of Engineers have recently adopted a new methodology for defining and delineating wetlands. This methodology requires the presence of indicators of three parameters: soils, hydrology, and vegetation. Indicators of all three parameters are currently present and, therefore, much of this site is considered wetland.

- b. Secondly, to determine what impact if any, the construction of the Flood Control Project will have on the future use of this area. Because the area is considered a wetland its future use is limited irrespective of the project.
- Thirdly, provide suggested uses for the area. Although much of the site is wetland, Gary Parks may develop whatever recreational features on the site that they desire, provided it does not involve the discharge of dredged or fill material into this wetland area. One such possible use of the area would be for passive recreation in the form of a wildlife sanctuary, nature trails, and overlooks. Another possible use is to provide a nesting and foraging habitat for waterfowl and shorebirds. However, if Gary Parks develops plans for recreational use of the site that involves the placement of dredged or fill material into this wetland, a permit must first be obtained from the Regulatory Functions Branch, Detroit District, U.S. Army Corps of Engineers, PO Box 1027, Detroit, MI 48231-1027. It would be in Gary Parks interest to hire a wetland consultant firm to delineate the exact wetland boundaries and to work with them in minimizing wetland losses, and developing a mitigation plan. The Detroit District maintains a list of reputable consulting firms and may be contacted for further information.

The area south of the river is being incorporated into the project as wetland, therefore, the same restrictions described above apply.

Should you have any questions, please contact Mr. Beldon McPheron, Project Manager at (312) 353-8809.

Sincerely,

Richard E. Carlson

RICHARD E. CARLSON
Deputy District Engineer (PM)

IBI8—177TH STREET ♦ HAMMOND. INDIANA ♦ PHONE 844-0330

October 9, 1990



UNITED STATES GOLF ASSOCIATION
WESTERN GOLF ASSOCIATION
INDIANA GOLF ASSOCIATION
WOMEN'S WESTERN GOLF ASSOCIATION
CHICAGO WOMEN'S DISTRICT GOLF ASSOCIATION
INDIANA WOMEN'S GOLF ASSOCIATION ---

Mr. Beldon McPheron U.S. Army Corps of Engineers 111 N. Canal Street Chicago, Illinois 60606

Re: Woodmar Country Club

Dear Mr. McPheron:

Woodmar Country Club and Wicker Park are greatly concerned about the U.S. Army Corps of Engineer's project for the Little Calumet River Flood Control which is monitored by the Northwest Indiana Regional Planning Commission.

The south levee, which is totally contained on Wicker Park property, and the north levee, which is totally contained on Woodmar Country Club property, create a 30 acre flood area which totally destroys five (5) tees, three (3) greens, three (3) fairways, and related cart paths on Woodmar Country Club's golf course. The feasibility and cost of reconstruction of these golf course facilities are being determined by our golf course architect. It is totally impossible to relocate all of these holes north of the north levee. It apprears very likely that the loss of the acreage south of the river as golf course may prevent Woodmar Country Club from having a legitimate eithteen (18) hole golf course. This result would put Woodmar out of business.

An alternate proposal for the location of the south levee would be along the south bank of the Little Calumet River. This alternate location would require the reconstruction of a portion of two (2) fairways, two (2) tees, one (1) green, and the related cart paths; however, it would allow the land south of the river to be used for golf course purposes. This reconstruction cost and feasibility are also being determined by our golf course architect.

We would appreciate the opportunity to present our concerns to you and/or any other person or agency involved in this project.

Sincerely yours,

David V. Allard

President, Woodmar Country Club

cc: Dan Gardner - NIRPC

Bruce Stouffer - NIRPC

Peter Visclosky - U.S. Representive

G. Gregory Cvitkovich - North Township Trustee

Ken Killian - Golf Course Architect



October 21, 1990

Mr. Dan Gardner, Executive Director Calumet River Basin Development Commission 8149 Kennedy Avenue Highland, Indiana 46322

Dear Dan,

The Marquette Yacht Club now has under lease nineteen (19) slips. The terms of the lease are from April 1, 1990 through November 1, 1990.

It is now desired that a lease be granted to the Marquette Yacht Club for the 1991 boating season.

Thank you for your consideration.

Dan Cranfil COMMODORE

CAT/jhp

INDIANA PORT COMMISSION I.S.T.A. CENTER • 150 WEST MARKET STREET • STE

Clark:Maritime Centre -5100 Utica Pike Jeffersonville, Indiana 47130 (812) 283-9662

Indiana International Port at Burns Harbor 6600 U.S. Highway #12 Portage, Indiana 46368 (219) 787-8636

Southwind Maritime Centre-Bluff Road P.O. Box 529 Mount Vernon, Indiana 47620 (812) 838-4382



October 18, 1990

Mr. Dan Gardner Executive Director Little Calumet River Basin Development Commission 8149 Kennedy Avenue Highland, IN 46322

Dear Dan:

I greatly appreciated your attending the meeting this past week on the development of our international port and issues related to the City of Ogden Dunes. I think that the proposal to develop a quality marina complex in the Little Calumet River Basin is a great project and one that as a neighboring sister agency of government we should be a strong proponent for.

I look forward to working closely with you in the future and to introducing you to our Commission. We have a meeting scheduled for Wednesday, October 31st at 9:00 a.m., at which I would appreciate your attending and briefly present to the Commission your developmental plans and mutual discussions we've had on a potential cooperative effort.

Looking forward to seeing you soon.

Sincerely,

INDIANA PORT COMMISSION

Frank G. Martin, Jr. Executive Director

FGM/ns

cc: Indiana Port Commission Director James Hartung

File

PJEROE OI

10

Na	me of meeting: LCR30C	ROSTER Date: 11/1/9	0
	NAME (please print)	Organization and/or Address	
1	DICK WAWBZYNIAK	DEPT. NATURAL RES.	1
2	Pete ZAK	So. Stoke Maxue For,	2
3	Deth Bundy	Sud for Twholah	3
4	Uninia Baupard	visitor	4
5	Wa Tennedy	Lake County Park	2 & Po
6	Cortney Vak Lopik	V	6
7	Dero Lad	12AAK WALTON LEAGUE	7
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Chafr	man: Arlene Colvin	Location:	

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION

-----FOR NOVEMBER MEETI'NG MONTHLY BUDGET REPORT

BUDGET	BUDGET	BUDGET	AMOUNT PAID	UNPAID	AMOUNT READY	PROJECTED *
CODE	CATEGORY	AMOUNT	PREVIOUSLY	BALANCE	FOR PAYMENT	BALANCE .
119	PER DIEM EXPENSES	14000.00	3950.00	12050.00	0.00	12050.00
311	LEGAL SERVICES	7500,00	2699.84	4800.15	283, 33	4514.83
312	NIRPC SERVICES	94000 QQ	43124.56	50975.44	4681.69	46193.75
323	TRAVEL & MILEAGE	<u> </u>	5979.20	20.80	59. 0 0	-49,19
331	PRINTING & ADVERTISING	2500.00	969.70	1530.30	116,60	1413.70
34 <u>1</u>	BONDS & INSURANCE	7500.00	5919.50	1581.50	0.00	1581.50
361	EMERGENCY MAINTENANCE COSTS	3500.00	9.00	3500.00	0.00	3500.00
399	MEETING EXPENSES	3000.00	1432,43	1567.57	50.00	1507.57
411	LEGAL SERVICES	50000.00	23403.00	26597.00	2304.00	24 293.00
412	PROFESSIONAL SERVICES	150000.00	76881.36	73118.64	3510.90	69607.74
413	LAND PURCHASE COSTS	5790574.00	506210.89	5284365.11	22400.00	5261965.11
414	LAND CAPITAL IMPROVEMENTS	150000.00	117207.70	32792.30	0.00	32792.30
415	BURNS WATERWAY BREAKWATER	0.00	Ø. 20	0.00	0.00	0.22
414	STRUCTURES CAPITAL IMPROVEMENT	40000,00 40000	0.09	<u> </u>	₫.፬₫	40000.00
417	PROPERTY/STRUCTURES INSURANCE	25000.00	15288.90	9711.10	0.02	9711.10
418	CASH CONTRIBUTION (CORPS)	355000.00	1 \angle Ω Ω Ω Ω Ω	195000.00	ው. ውወ	195000.00
		6700576.00	963066.08	5737509.92	33425.52	5704084.41

CLAIMS READY FOR PAYMENT

BÜDGET CODE	VENDOR NAME	ТИЦОМА	EXPLANATION OF CLAIM
, <u>311</u>	LOUIS M. CASALE	283.33	ATTORNEY RETAINER FEES FOR THE MONTH OF OCTOBER 1990
312	NIRPC	46 <u>81.6</u> 9	FOR SERVICES PERFORMED DURING SEPTEMBER 1990
323	MARCUS AUTO LEASE	69. 0 0	COST INCURRED RE: VAN RENTAL FOR TOUR
331	MACTAVISH OFFICE PRODUCT	89.10	COST INCURRED RE: OFFICE SUPPLIES
331	MACTAVISH OFFICE PRODUCT	27.50	COST INCURRED RE: OFFICE SUPPLIES
399	RIGBY'S	ዋ ሺ " ፴፬	MEETING EXPENSES INCURRED ON 10/6/90
411	LOUIS M. CASALE	2304.00	LAND ACQUISITION LEGAL SERVICES FOR THE MONTH OF OCTOBER
412	CHICAGO TITLE INSURANCE	190.00	MOVING EXPENSES INCURRED ON DC246 AND DC248
412	MIPSCO	315.90	TITLE WORK INCURRED ON DC351 AND DC326
412	ROBERT B. STOUFFER	1391.25	UTILITY BILL FOR PUMPING EXPENSES ON 9/14-10/15/90
412	ROBERT B. STOUFFER	253.75✔	LAND ACQUISITION/MANAGEMENT SERVICES RENDERED ON 10/3-29/90
412	CHICAGO TITLE INSURANCE	190.00	TITLE WORK INCURRED ON DC328
412	CHICAGO TITLE INSURANCE	270.00	TITLE WORK INCURRED ON DC221
412	BERTS TOWING CORP.	900.00	REPLACEMENT HOUSING INCURRED ON DC300
413	DOUGLAS MARSH	1590.00	PURCHASE PRICE OF PROPERTY ON DC226
413	ROSIE NEAL	1015.00	MOVING EXPENSES INCURRED ON DC109
413	JOSEPHINE GARCIA	750.00	PURCHASE PRICE OF PROPERTY ON DC328
413	MURIEL PIPKINS	1050.20	MOVING EXPENSES INCURRED ON DC300
413	MURIEL PIPKINS	18005.00	
		33425.52	

LITTLE CALUMET RIVER BASIN DEVELOPMENT COMMISSION

STATE BUDGET COMMITTEE PRESENTATION

October 18, 1990

Presentors

ARLENE COLVIN, Chairperson, Little Calumet River Basin
Development Commission

DAN GARDNER, Executive Director, Little Calumet River Basin
Development Commission

LTC. RANDALL INOUYE, District Engineer, U. S. Army Corps of Engineers

LANE RALPH, Assistant State Director, Senators Lugar's Office

TOM BROWNE, District Director, Congressman Peter Visclosky's Office



Little Calumet River Basin Development Commission

8149 Kennedy Avenue

Highland, Indiana 46322

(219)923-1118

PRESENTATION TO STATE BUDGET COMMITTEE October 18, 1990 1991/93 BIENNIUM BUDGET REQUEST

Gentlemen:

The Little Calumet River Basin Development Commission respectfully submits a request for \$3,000,000 in the 1991/93 State biennium capital budget for continued non-Federal project commitments toward implementation of the eight (8) year Federal flood control/recreation project construction. This amount is needed to meet the projected Federal construction schedule (see Attachment A). The Federal project was included in the 1986 Water Resources Development Act passed by Congress and signed by then President Reagan. This authorized the scheduling for construction and the appropriation of over \$67 million for Federal flood control construction, anticipated to take place over 8 construction phases.

date, \$14,468,800 has been appropriated (over \$12,000,000 for specific flood control project purposes) over 9 biennium state budgets, anticipating this construction start and demonstrating strong and continuous State support. This is critical the Federal request to assure biennium construction begun this fall is supported by necessary non-Federal commitments. The previous State funding has strongly positioned the Development Commission to meet the ambitious Federal construction schedule. The \$3,000,000 request is envisioned, along with two similar future requests, to complete the non-Federal construction obligations without major State funding increases.

There has been significant progress relative to the project since our last appearance before the Budget Committee.

- (1) At the Water Resources Council meeting held May 15th in Indianapolis, the Department of Natural Resources gave overall project approval of the Little Calumet River Flood Control/Recreation Project. With that approval, the Indiana DNR has approved the construction start for the Federal flood control/recreation project.
- (2) On June 13th, the Chief of Engineers Office for Policy in Washington approved the Financial Capability Statement of the Development Commission. In doing so, the Federal reviews were complete and it was certified that the Federal Government could commit to construction.
- (3) The Local Cooperation Agreement between the Federal government (Corps of Engineers) and the local sponsor (the LCRBDC) was signed at a ceremony on August 16th at I.U. Northwest. The signing of this contract was the commitment for Federal construction estimated to be \$61 million over 8 years.
- (4) The Corps of Engineers has let the first contract for the demolition of three structures in the Small Farms area of Black Oak. The contract was awarded to Riggins Construction of Gary. This initiated federal construction of the project. Major levee construction contracts will be let the spring of 1991.
- (5) On October 29th, a workshop has been scheduled at I.U. Northwest to inform local northwest Indiana firms who are interested in bidding on federal contracts, the type of contracts that the Corps will be letting. This workshop will be coordinated by the Corps of Engineers, the Development Commission, Partners in Contracting and Congressman Visclosky's Office. Over 130 invitations have been sent out to local firms to quality them for the \$61 million of federal contracts.

The Development Commission is extremely excited with respect to the initiation of the long awaited federal construction. We believe continued State budget support in the amount of \$3 million is critical to this project. Thank you for your consideration of this request.

(ATTACHMENT A)

ESTIMATED COST SHARE REQUIREMENTS

PROJECT SPONSOR PINANCIAL CAPABILITY

	COMPL COMPL	FT 90	FY 91	FT 92	FT 93	ET 94	FY 95	FT 96	et 97	PT 98	FT 99	TOTAL
TOTAL PROJECT COSTS	\$1,601,000	\$2,602,000	\$16, 111, 000	\$15,847,000	\$16,502,000	\$15,769,570	\$16, 763, 000	\$5,622,000	\$0	\$0	\$0	\$91, 353, 570
NON-FED CASH	\$73, 404	\$50, 415	\$135, 130	\$791, 129	\$1,055,235	\$1, 108, 830	\$1, 195, 635	\$401, 251	\$0	ŞO	\$0	\$4,824,329
HON-FED LERRO	\$0	\$409,000	\$9, 369, 000	\$5, 647, 000	\$2,971,000	\$364,000	\$23,000	\$10,000	\$0	\$0	\$0	\$18, 793, 000
OPERATIONS & MAINTENANCE COSTS	\$0	\$0	\$0	\$50,000	\$50,000	\$100,000	\$100,000	\$150,000	\$150,000	\$150,000	\$150,000	\$900,000
SPONSOR'S RESPONSIBILITY	\$73, 404	\$469, 415	\$9,504,130	\$6, 491, 429	\$4, 076, 235	\$1,572,830	\$1, 318, 635	\$\$61,251	\$150,000	\$150,000	\$150,000	\$24, 517, 329
SPONSOR'S FUNDING SOURCES												\$0
BASE CAPITAL INVESTED	\$700,000										•	\$700, 0 00
CONNISSION LOCAL OPERATING ACCOUNT	\$272, 299											\$272, 299
ALLOCATED STATE FUNDS ON DRAW DOWN CLAIM	\$1,786,898											\$1,786,898
APPROPRIATED FUNDS YET TO BE ALLOCATED	\$4,000,000											\$1,000,000
future feeding from State			\$3,000,000		\$3, 000, 000		\$3,000,000					\$9,000,000
LAMOS IN COMMISSION OWNERSHIP	\$4, 284, 101											\$4, 284, 101
LANDS PROVIDED BY OTHER PUBLIC ENTITIES	\$1,380,000											\$1,380,000
LANDS AVAILABLE TIROUGH DRAINAGE BOARD EASEMENTS	\$369, 297											\$369, 297
RELOCATIONS PROVIDED BY UTILITY			\$100,000	\$100,000	\$100,000							\$300,000
RELOCATIONS ACCOMPLISHED BY IDOT				\$2,000,000		\$2,000,000						\$4,000,000
TOTAL SPONSOR FUNDING BY FY	\$12,792,595	\$0	\$3, 100, 000	\$2,100,000	\$3, 100, 000	\$2,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$26, 092, 595
BALANCE FORWARD FROM PRIOR YEAR						\$477,982				\$1,875,266		
ETPENSES BY FY	(\$73, 401)	(\$469, 415)	(\$9,504,130)){\$6, 491, 429})(\$1, 310, 635]			•	(\$150,000)	
FINANCIAL POSITION AS OF THE END OF THE YEAR	\$12,719,191	\$12, 249, 776	\$5, 845, 646	\$1,454,217	\$177,982	\$905, 152	\$2,586,517	\$2,025,266	\$1,875,266	\$1,725,266	\$1,575,266	

Federal/Non-Federal Allocation of Funds Little Calumet River Flood Protection and Recreation Project

Year ,	Total Proj. Costs	Non-Fed LERED	Sched Const	Percentage	Hen-Fed Cach	Fed Cash
Coupl. FY 90			****		******	
Structural Non-Structural Recrention F & W Enhancement	\$1,394,000 \$210,000 \$0 \$0	90 94 92 93 90	\$1,394,000 \$210,000 \$0 \$0	Z.1X[Z] 5.7X 0.0X 0.0X	\$67,727 (\$14,323) (\$0 \$0	\$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273 \$1,306,273
Subtotal	\$1,604,000	\$0	31,604,000	2. 23 [1]	873,404	\$1,530,596
FY 90						
Structure: kon-Structure: Recreation F & W Enhancement		\$111,000 \$290,000 \$0 \$0	\$1,554,000 \$781,000 \$28,000 \$0	2.4% 21.4% 2.2% 0.0%	\$99,684 (\$53,269) \$14,000 \$0	\$1,484,316 \$834,269 \$14,000 \$0
Subtotal	\$2,802,000	\$409,000	\$2,393,000	3.3%	840,415	\$2,332,585
FY 91						
Structural Non-Structural Recreation F & U Enhancement	\$12,398,000 \$3,921,000 \$65,000 \$60,000	\$8,115,000 \$1,254,000 \$0 \$0	\$4,283,000 \$2,667,000 \$65,000 \$60,000	5.12	\$269,537 (\$181,907) \$32,500 \$15,000	\$4,013,463 \$2,848,907 \$32,500 \$45,000
Subtotal	\$16,444,000	\$9,369,000	87,075,000	9.6%	\$135,130	\$6,939,870
FY 92						
Structural Non-Structural	\$15,323,000 \$0	\$5,647,000 \$0	\$9,676,000 \$0		\$608,929 \$0	39,047,071 30
Recreation F & V Enhancement	\$218,000 \$306,000	\$0 \$0	\$218,000 \$306,000		\$109,000 \$76,500	\$109,000 \$229,500
Subtotel	\$15,847,000	\$5,647,000	\$10,200,000	14.1%	\$794,429	89,405,571
FT 93 _.						
Structural Non-Structural	\$15,814;000 \$0	\$2,971,000 \$0	\$12,843,000 \$0	19.3% 0.0%	\$808,235 \$0	\$12,034,765 \$0
Recreation F'& W Enhancement	\$300,000 \$388,000	\$0 \$0	\$300,000 \$388,000	23.62 40.02	\$150,000 \$97,000	\$150,000 \$291,000
Subtotal	\$16,502,000	\$2,971,000	\$13,531,000	18,62	\$1,055,235	\$12,475,765
FY PÅ					,	
Structural Hon-Structural	\$15,369,570 \$0	\$364,000 \$0	\$15,005,570 \$0		1944,330 20	\$14,061,240 \$0
Represtion F & W Enhancement	\$258,000	30 50	\$258,000 \$142,000	20.33	\$129,000 \$35,500	\$129,000 \$106,500
Subtotel	\$15,769,570	\$364,000	\$15,405,570	21.23	81,100,830	\$14,296,740
FY 95					~	
Structural Kön-Structural	\$16,396,000 \$0	\$23,000 \$0	\$16,373,000 \$0		\$1,030,385 \$0	\$15,342,615 \$0
Recreation F & V Enhancement	\$294,000	. \$0 \$0	\$294,000 \$73,000	23.1%	\$147,000 \$18,250	\$147,000 \$54,750
Subtotal	\$16,763,000	\$23,000	\$16,740,000	-	\$1,195,435	\$15,544,365
FT 96			• •		• • • • • • • •	
Structural	\$5,512,000	\$10,000	\$5,502,000		\$346,251	\$5,155,749
Non-Structurel Regreation F & V Enhancement	\$0 \$110,000 \$0	\$0 \$0 \$0	\$110,000	8.63	\$55,000	\$55,000
Subtotal	\$5,622,000	810,00G	\$5,61Z,000	•	\$0 \$401,251	\$0 \$3,210,749
Individual Totals	••	- 1-10-4				
Structural	\$83,901,570	\$17,241,000	\$66,660,570	100.0%	84,195.079	\$62,465,492
Remestructural Recreation F & V Enhancement	\$5,210,000 \$1,273,000 \$969,000	\$1,552,000 \$0 \$0	\$3,658,000 \$1,273,000	100.03	(\$249,500) \$636,500	\$3,907,500 \$636,500
Total	\$91,353,570	\$18,793,000	\$969,000 \$72,560,570	100.0%	\$242,250 \$4,824,329	\$726,750 \$67,736,242
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Footnotest

- [1] FY sub-total sched. const. % of total sched. const. (typical for column).
- 121 FT individual feature sched. const. % of individual feature sched. const. total (typical for column).
- [3] Represents sponsor LERED contributions above requirements (typical for column).



DEPARTMENT OF THE ARMY CHICAGO DISTRICT, CORPS OF ENGINEERS

111 NORTH CANAL STREET CHICAGO, ILLINOIS 60606-7206

Budget Testimony Remarks
Presented by LTC Randall R. Inouye
State Budget Committee
1991-1993 Budget Request
October 18, 1990

Good morning. I am Lt. Col. Randall R. Inouye, district engineer for the U.S. Army Corps of Engineers' Chicago District. I am happy to be here this morning to provide you with the federal perspective on the Little Calumet River project.

This summer we signed the local cooperation agreement with the Little Calumet River Basin Development Commission, formalizing our partnership with the commission and the State of Indiana. This agreement allows the Corps to proceed with the project, which will include both flood control and recreational features.

During the seven-year construction period we will replace 9.5 miles of existing levees with 12.2 miles of new levees and floodwalls, construct 9.7 miles of levees set back from the river, install a control structure at Hart Ditch, floodproof 39 homes, relocate 29 structures from the floodplain, dredge seven miles of river to increase channel capacity, construct 16.8 miles of hiking trails and preserve 788 acres of wetland.

This fall, we officially began the construction phase of the project with the award of the first Little Cal contract, a small but important contract for \$12,500 to remove three structures from the flood plain in Gary's Black Oak neighborhood.

Next summer, we will begin construction of the major features of the project with the levee that will extend from Burr Street to Broadway. During this phase, we'll also begin the wetland enhancement features of the project. Despite the current budgetary uncertainties, we anticipate no delay in awarding the contract because \$3.3 million for the Little Cal project is included in the president's FY 1991 budget submittal. Construction of the Burr-to-Broadway levee is scheduled for completion in December 1992. However, this date may slip somewhat if the current budget negotiations reduce the projected Fiscal Year 1991 funding.

Sudget Testimony Page 2

Our schedule further down the line assumes full funding to achieve a project completion date of September 1996. We are optimistic that funding will be available because the project is included in the president's FY 1991 budget and has the strong support of Senators Lugar and Coats and Congressman Visclosky.

With full project funding, our schedule calls for:

*Beginning construction of the levee from Chase Street to Broadway in May 1992 and completing it in October 1993. Enhancement of the adjacent wetlands will also be included in the work.

*Next, we'll begin construction of the levee from Broadway to the Conrail Railroad and from Cline Avenue to Burr Street. This work will begin in November 1992 and be completed in April 1995. Again, wetland enhancement will be included, as will recreational facilities such as cance launches and hiking trails.

*Construction of the levee from Northcote Avenue to Kennedy Avenue will follow in May 1993. Also included in this phase will be the Hart Ditch control structure, raising the Indianapolis Boulevard bridge and landscaping. The scheduled completion for the work is September 1995.

*Next will be construction of the levee from Kennedy Avenue to Cline Avenue. This work is scheduled to begin in November 1993 and to be completed in September 1995.

*Following this levee will be construction of the levee from Columbia Avenue to Northcote Avenue. Construction is scheduled to begin in May 1994 and to be completed in September 1996.

*Finally, we'll construct the levee from the state line to Columbia Avenue. Construction is scheduled to begin in November 1994 and to be completed in September 1996.

The total cost for the project, adjusted for inflation, is \$91.4 million, of which the commission will provide \$18.8 million in lands, easements and rights-of-way and \$4.8 million in cash.

In concluding my remarks, I want to emphasize that the commitment of the commission, the State of Indiana and the Indiana congressional delegation has made all the difference in bringing the Little Cal project to construction in this period of tight budget constraints. With your continued support, flood relief will become a reality in Northwest Indiana.

Visclosky tells contractors how to do their bidding on flood project

By PHILLIP BRITT Times Business Writer

GARY - Rep. Peter Visclosky, D-Ind., told contractors Monday that knowing proper procedure and requirements are the most important tools in obtaining contracts for the Little Calumet Flood Control Project.

The project, now in its initial stages, will run through the late 1990s, with more than \$82 million in contracts available.

The next project item to be put up for bid is levee construction. Bid advertisements will be placed in April 1991. The contract, for about \$10 million, is expected to be awarded in June 1991. The project will take about 30 months.

Visclosky said he wants to see the lion's share of that money going to Northwest Indiana contractors, which prompted Monday's workshop on bidding procedures and types of contracts available.

The main local contact for the duration of the project is the Little Calumet River Basin Commission, said Dan Gardner, the commission's executive director.

The commission works with federal, state and local government officials, Gardner said. The commission also will hire a local engineering consultant for the project.

Local contractors also can get aid in making their bid from Partners in Contracting Corp., a non-profit government assistance organization based locally in Highland. The corporation helps contractors fill out government forms, match contractors with particular products or services with state agencies buying those products or services and helps put together bid packages.

Contractors should check Commerce Business Daily and fill out government mailing lists forms to make sure they are aware of contracting opportunities, said Belson McPherson, project manager for the U.S. Army Corps of Engineers.

Contractors will have to put up bonds, in most cases for 20 percent of the bid price, with their initial bids, said Joseph D. Jacobazzi, assistant chief for the engineering division for the U.S. Army Corps of Engineers Chicago District, which will manage the project.

SCOPE OF WORK

COLLECTION OF SEDIMENT SAMPLES FROM BURNS WATERWAY AND SMALL BOAT HARBOR

Contract No.: DACW23-90-D-0001 Work Order No.: 002

1. PURPOSE

1.1 This paper describes the scope of work for collection and analysis of sediments from the Burns Waterway and Small Boat Harbor project (Plate 1) in Indiana. The harbor is located on Lake Michigan, and the upstream end of the waterway terminates along Burns Ditch (the west arm of the Little Calumet River). The work detailed in this paper shall be performed to provide physical and chemical data necessary to determine the appropriate methods for disposal of sediments to be dredged from the project The testing and analysis conducted is in accordance with USEPA Testing Requirements for the Specification of Disposal Sites for Dredged and Fill Material (Federal Register, December 24, 1980). The results of the analysis will be provided to the following groups: Indiana Department of Natural Resources, Indiana Department of Environmental Management, Little Calumet River Basin Development Commission, US Environmental Protection Agency, US Fish and Wildlife Service, US National Park Service (Indiana Dunes National Lakeshore), Ogden Dunes Town Council, and the Save the Dunes Council.

2. BACKGROUND

2.1 The Corps of Engineers, Chicago District is authorized to maintain commercial navigation by periodic dredging of the Burns Waterway and Small Boat Harbor Project. The need for dredging arises from the formation of shoals along the waterway and har-The deposits develop from a variety of sources. The sediments in the waterway are affected by boat wash waves which pull the sandy deposits from the sides of the channel to the bottom. During heavy rain events, such as the storm of June 1989, the Little Calumet River backflows into the waterway channel carrying large volumes of sediment from the Little Calumet basin. A portion of the harbor sediments are deposited after boatwash waves carry them down from the waterway. The dynamics of the littoral transport system which encompasses the harbor is also partially accountable. The harbor structures can misdirect littoral currents into the harbor, where sediments fall out of suspension in the sheltered region.

- 2.2 The Burns Waterway and Small Boat Harbor project is located on Lake Michigan and is bounded by Midwest Steel Division to the east and the Indiana Dunes National Lakeshore on the west. The project also encompasses the corridor along Burns Waterway and 6250 feet of the west arm of the Little Calumet River (Burns Ditch).
- 2.3 Previous core and grab samples taken from the project indicate that the area contains clean sands in the waterway and harbor of refuge.

3. SEDIMENT SAMPLING

- 3.1 The Contractor shall collect surface sediment grab samples from thirteen locations referenced to benchmark locations and described below:
 - BH-1-90: Located 170' west and 230' south of BM/HS-BURNS SBH-2
 - BH-2-90: Located 200' east and 200' north of BM/HS-BURNS SBH-2
 - BH-3-90: Located 500' east and 50' south of BM/HS-BURNS SBH-2
 - BH-4-90: Located 300' west and 150' south of HS-BURNS SBH-5
 - BH-5-90: Located 150' east and 200' south of BM/HS-BURNS SBH-6
- BH-6-90: Located 400' west and 160' south of BM/HS-BURNS SBH-7
- BH-7-90: Located 100' south of HS-BURNS SBH-8
- BH-8-90: Located 500' west of the southern tip of the West Breakwater; in water, at an elevation of -1 foot LWD.
- BH-8-90: Located 500' west of the southern tip of the West Breakwater; at waterline
- BH-10-90: Located 500' west of the southern tip of the West Breakwater; midway up the beach
- BH-11-90: Located at the large accretion fillet to the east of Bethlehem Steel landfill/lakefill; in water at an elevation of -1 foot LWD.
- BH-12-90: Located at the large accretion fillet to the east of Bethlehem Steel landfill/lakefill; at waterline
- BH-13-90: Located at the large accretion fillet to the east of Bethlehem Steel landfill/lakefill; midway up the beach

These locations are shown on Plates 2, 3, and 4. Additionally, the Contractor shall collect two soil samples (BH-14-90 and BH-15-90) from locations determined by the COR in the field.

- 3.2 Grab samples shall be collected with a Ponar or Ekman sampler. Prior to beginning sample collection, the grab sampler must be washed in a detergent such as Alconox, rinsed with deionized water, rinsed with hexane and finally rinsed with deionized The sampler must be cleaned between collection of each sample by brushing and rinsing thoroughly with lake or waterway water. At each sample location, the grab sample shall be mixed at the site in a non-contaminated vessel until the sample is fully homogenized. The mixing bowls are to be provided by the Government, but must be thoroughly cleaned prior to use by washing in a detergent such as Alconox, rinsing with deionized water, rinsing with hexane and finally rinsing with deionized water. The mixing bowls should be cleaned between samples by rinsing thoroughly with lake or waterway water. The samples are to be stored in one-quart hexane rinsed glass jars with aluminum foil sealed caps. These jars are to be provided by the Contractor. Three (3) one-quart samples shall be collected from each loca-In addition, three composite samples will be collected: BH-C1-90, composited from BH-1-90; BH-C2-90, composited from BH-2-90 and BH-3-90; and BH-C3-90, composited from BH-4-90, BH-5-90, BH-6-90, and BH-7-90. Each composite shall be thoroughly homogenized at the site.
- 3.3 Sampling locations may be within a tolerance of a 20 foot radius. The exact locations of the following three actual samples in the harbor shall be established by surveying which shall include placement of temporary buoys before sampling begins: BH-1-90, BH-2-90, and BH-3-90. Sample locations may be changed in the field if necessary by the COR. The Contractor shall make provision for surveying changed locations if required by the COR.
- 3.4 The schedule of sediment sampling activities must be approved by the COR. Collection shall be conducted within 10 days after the notice to proceed. The Contractor shall provide all operating and safety equipment and personnel necessary for the collection of sediment grab samples. A government representative shall be present during sampling operations.
- 3.5 Safety Requirements: In addition to the safety requirements stated in the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, dated April 1981, and revised October 1984, the following safety apparel must be worn by all crew members:
 - a. safety work shoes
 - b. hard hats and life vests.

- 3.6 Detailed logs shall be kept by the Contractor describing the conditions which exist at the site during sampling operations. Observations that shall be recorded for each sample include date, site number, Unified Soil Classification, color, texture, odor, presence of oil and grease, and the presence of any benthic organisms, also notation of any unusual conditions, equipment malfunctions, frequent passage of shipping traffic causing delays, etc.
- 3.7 The Contractor's report shall include the names of personnel present and their assignments, a description of primary equipment used, to include sampling equipment, and detailed logs of the samples.

4. WATER SAMPLING

4.1 In order to perform elutriate analyses for the three composite samples, water samples must be taken from the dredging site (any convenient location within the boundaries of the federal navigation channel) and from the disposal site (500 feet west of the southern tip of the West Breakwater, in the water). Collection should be made with an appropriate noncontaminating water sampling device. Either discrete samplers such as Kemmerer or Van Doren samplers or continuous collectors such as submersible pumps may be used. The volume of water required depends on the number of analyses to be performed. For each sample to be subjected to elutriate testing, it is suggested that a minimum of 4 1 be collected at the disposal site and 8 1 be collected at the dredging site. Since the samples are to be analyzed for a relatively large number of constituents, a proportionately larger initial sample should be collected. The Contractor must determine the volume of water samples required to carry out the required analyses for each sample. Samples must be stored in hexane rinsed glass jars with aluminum foil sealed caps.

5. ANALYSIS

5.1 The Contractor shall perform bulk analysis of samples BH-1-90 through BH-9-90, and BH-14-90 and BH-15-90 for the parameters shown in table 1. Samples BH-8-90, BH-9-90, BH-14-90 and BH-15-90 are being evaluated for background purposes. Analysis shall be conducted as identified in the following paragraphs in accordance with the methods described in references 9b, 9c, 9d, and 9e.

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Table 1 Bulk Chemistry Parameters for 1990 Sediment Sampling Program

% Solids
Volatile Solids
Chemical Oxygen Demand
Total Kjeldahl Nitrogen
Ammonia - Nitrogen
Total Phosphorous
Oil and Grease
Cyanide
Arsenic
Barium
Cadmium

Chromium
Copper
Iron
Lead
Manganese
Mercury
Nickel
Selenium
Zinc
Total PCBs

- 5.2 Samples BH-10-90, BH-11-90, BH-12-90, and BH-13-90 will be analyzed for physical grain size distribution only. All sediment/soil samples (BH-1-90 through BH-15-90) will be analyzed for grain size distribution using sieve analysis methodology as described in Illinois EPA "Material Analysis for Dredge and Fill Activities" Section 1 (IEPA, 1988).
- 5.3 The parameters included in this program for bulk chemical analysis will be tested according to USEPA CE-81-1, USEPA SW-846, and USEPA 600/4-79-020 procedures, as indicated below and in table 2.

Volatile Solids: as described in EPA/CE-81-1 (MDL = 1 mg/kg)

COD: as described in EPA/CE-81-1 (MDL = 1000 mg/kg)

TKN: according to Method 1 for sediment samples as described in EPA/CE-81-1 (MDL = 100 mg/kg)

Ammonia Nitrogen content: according to Method 1 for sediment samples as described in EPA/CE-81-1 (MDL = 25 mg/kg)

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Table 2
Methods for Extraction and Analysis for Bulk Chemical Analysis

Parameter	Extraction1	Analysis ^l	MDL ² (mg/kg)
% Solids		160.3 ³	1%
Total Cyanide	•	9010	0.1
Total Phosphorous		365.1 ³	50
Oil & Grease	9071		100
Arsenic	3050	. 7060	1.0
Barium	3050	6010	5
Cadmium	3050	6010	5 ·
Chromium	3050	6010	5
Copper	3050	6010	5
Iron	3050	6010	100
Lead	3050	7421	5
Manganese	3050	6010	100
Mercury	Inc.4	7421	0.1
Nickel _	3050	6010	5
Selenium	3050	7740	5
Zinc	3050	6010	50
Total PCBs	3540	80 80	0.1

- 1 Source: USEPA SW-846 (unless otherwise noted)
- 2 MDL = Maximum Detection Limit
- 3 Source: USEPA 600/4-79-020
- 4 The extraction of Mercury is incorporated into the analysis procedure:

In addition, sediment samples will be analyzed for the following parameters using the procedures indicated below:

5.4 Elutriate tests will be performed on the three composite samples. The procedure for preparation of the elutriate samples, is discussed on page 2-28 in reference 9c, and is as follows:

The elutriate test is a simplified simulation of the dredging and disposal process wherein predetermined amounts of dredging site water and sediment are mixed together to approximate a dredged material slurry. The elutriate is the supernatent resulting from the vigorous 30-minute shaking of one part sediment from the dredging site with four parts water (vol/vol) collected from the dredging site followed by a 1-hour settling time and appropriate centrifugation and 0.45 u filtration. Thus, it will be necessary to collect both water and sediment samples to perform the elutriate test.

When evaluating a dredging operation, the sediment should be collected at the dredging site and the water should be collected from the dredging and disposal sites.

The background water sample and elutriates will be analyzed according to the USEPA EPA-600/4-79-020 procedures for the parameters indicated in table 3.

Table 3:
Methods for Analysis of Background Water
and Elutriates

Parameter	Analysis Method ^l	MDL ²
% Solids	160.3	1%
рн	150.1	7.0-9.0
Volatile Solids	160.4	10.0 mg/1
COD	410.2	2.0 mg/l
TKN	351.2	0.2 mg/l
Ammonia Nitrogen	350.2	0.1 mg/l
Total Cyanide	335	0.01 mg/l
Total Phosphorous	365.1	0.01 mg/l
Oil & Grease	413.2	0.2 mg/l
Arsenic	206.2	50.00 ug/l
Barium	200.7	1000.00 ug/l
Cadmium	200.7	10.00 ug/l
Chromium	200.7	50.00 ug/l
Copper	200.7	0.01 mg/l
Iron	200.7	0.05 mg/l
Lead	200.7	50.00 ug/l
Manganese	200.7	0.005 mg/l
Mercury	245.1	0.05 ug/l
Nickel	200.7	0.005 mg/l
Selenium	200.7	10.00 ug/l
Zinc	200.7	0.01 mg/l
Total PCBs	8080 ³	0.001 ug/l

1 Source: USEPA EPA-600/4-79-020

2 MDL = Maximum Detection Limit

3 Source: USEPA SW-846

5.5 The Contractor shall use the following QC samples: 1) blank, 2) matrix spike, 3) duplicate matrix spike, and 4) surrogate, with a frequency of 10% of samples or one per run, whichever is greater.

5.6 The Contractor shall furnish a split sample for composite BH-C3-90 and submit it to the following address:

Ohio River Division Laboratory 5951 Mariemont Avenue Cincinnati, Ohio 45227 Attn: Ty Gouda

- 5.7 Chain-of-custody procedures should be implemented. It is extremely important to follow the chain of custody procedure. A chain of custody form is provided as an attachment. One site may be listed per form. All pertinent information should be recorded (i.e. station, date, time, name of collectors, tests required, tag number associated with sample, number of containers or bottles per site, etc.).
- 5.8 The following are additional requirements for analyzing for PCBs:
- a: Adhere to quality control surrogate standards procedures stated in USEPA method 8080-6 (e.g. the use of surrogate dibutyl chlorendate or 2,4,5,6-tetrachloro-meta-xylene). This is a very common deviation from the protocol.
- b: Follow the five point calibration procedure stated in USEPA 8080-5. This procedure defines the working range of the GC instrument for concentrations in real samples. The low standard should be above or at the detection limit.

6. EVALUATION

6.1 The Contractor shall compare the results of the analyses for heavy metals, PCBs and organic pollutants for the seven grab samples (BH-1-90 to BH-7-90) to the levels in the USEPA Interim Guidelines (USEPA, 1977) and to the background samples. The particle size distribution of each sediment sample shall be reported in tabular fashion. Elutriate results shall be compared to the State of Indiana Water Quality Standards for Lake Michigan (reference 9h).

7. REPORT

- 7.1 The Contractor shall submit a report comprised of the following sections: Sediment Sampling, Sediment Analysis, and Evaluation & Conclusions regarding dredged sediment disposal.
- 7.2 The sediment sampling portion of the report shall include identification of personnel involved, equipment used, and a record of field observations. The Contractor shall provide location maps of actual sampling sites.

- 7.3 Reporting of sediment analysis shall include presentation of results of sample analysis, identification of analysis method, and date of analysis. The Contractor shall provide the above in tabular form. QC/QA data should also be provided.
- 7.4 Interpretation of open water disposal suitability for dredged sediments shall be done by comparison of contaminant levels in the seven grab samples to USEPA Guidelines as referenced in paragraph 6.1 of this scope. Also, elutriate results shall be compared to the State of Indiana Water Quality Standards for Lake Michigan.
- 7.5 Two copies of a draft report shall be furnished to the COR within 45 days after sediment collection. The COR will review and supply comments within two weeks. The Contractor will then complete the report, and furnish twenty (20) copies of the final draft to the COR within one week after receipt of the COR's comments. Correspondence concerning the report shall be sent to the following address:
 - U.S. Army Corps of Engineers, Chicago District ATTN: Steve Garbaciak, CENCC-ED-HE 111 North Canal Street, Suite 600 Chicago, Illinois 60606-7206

8. FEE PROPOSAL

- 8.1 The Contractor shall submit a written fee proposal for the services described herein, including labor, materials, supplies, sample transport, laboratory analysis, and identification of the subcontractor (if any) to be used. Laboratory analyses shall consist of heavy metal, PCB and organic pollutant content for nine of the samples, grain size distribution for all of the thirteen grab samples and the two soil samples, and elutriate analyses for the three composite samples.
- 8.2 The fee proposal shall be submitted to the following address:
 - ATTN: LTC Randall R. Inouye, P.E.
 U.S. Army Corps of Engineers, Chicago District
 111 North Canal Street, Suite 600
 Chicago, Illinois 60606-7206
- 8.3 The envelope containing the fee proposal must be marked "FEE PROPOSAL", and must include the contract number.

FEFERENCES

- a) Chicago District, Corps of Engineers. April 1990.

 <u>Burns Waterway and Small Boat Harbor Maintenance Dredging Plan of Action</u>. Department of the Army, Chicago.
- b) Illinois Environmental Protection Agency. 1988. <u>Material Analysis for Dredge and Fill Activities</u>. IEPA Section 401 Vater Quality Certification.
- c) May 1981. <u>Procedures for Handling and Chemical Analysis of Sediment and Water Samples</u>. Technical Report EPA/CE-81-1. Inited States Environmental Protection Agency.
- d) Office of Solid Waste and Emergency Response. November 1986. Test Methods for Evaluating Solid Waste, Volume 1: Laboratory Manual Physical/Chemical Analysis. EPA SW-846. United States Environmental Protection Agency, Washington, D.C.
- e) Environmental Monitoring and Support Laboratory. March 1979. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. United States Environmental Protection Agency, Cincinnati, Ohio.
- f) USEPA Region V. April 1977. <u>Guidelines for the Pollutional Classification of Great Lakes Harbor Sediments</u>. United States Environmental Protection Agency, Chicago, Illinois.
- g) United States Environmental Protection Agency. 24
 December 1980. <u>Testing Requirements for the Specification of Disposal Sites for Dredged or Fill Material</u>. Federal Register, 40 CFR Part 230.
- h) State of Indiana. Minimum Water Quality Standards. Indiana Administrative Code, Title 327, Article 2, Rule 7, Section 4. rev 24 September, 1987. Indianapolis, Indiana.

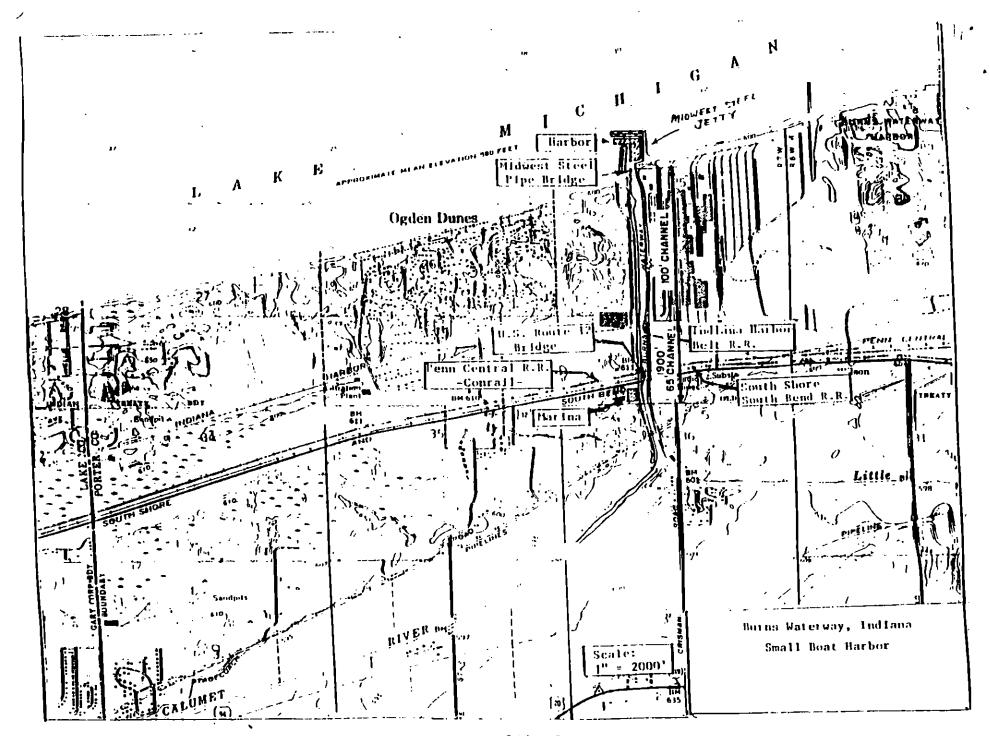
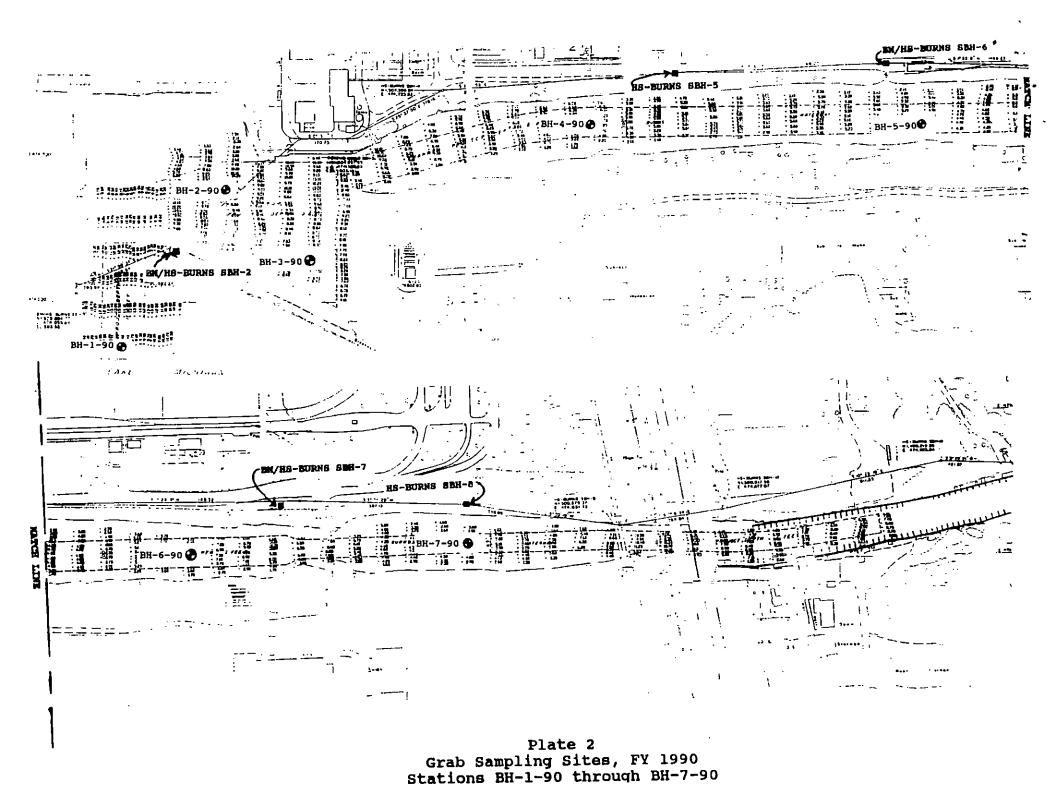


Plate 1
Burns Waterway and Small Boat Harbor Dredging Location



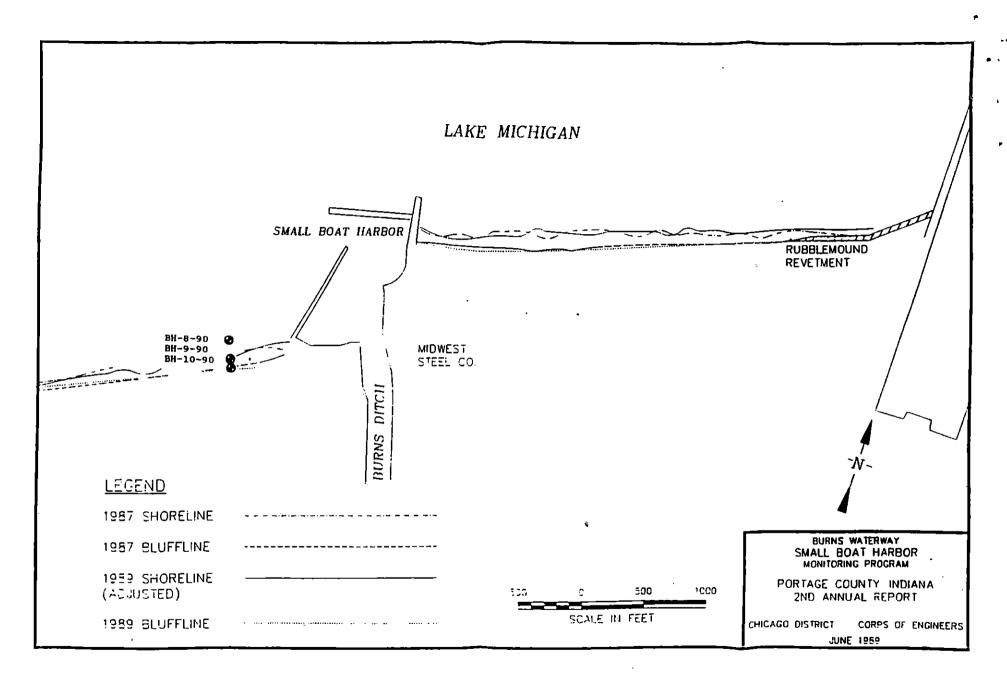


Plate 3
Grab Sampling Sites, FY 1990
Stations BH-8-90 through BH-10-90

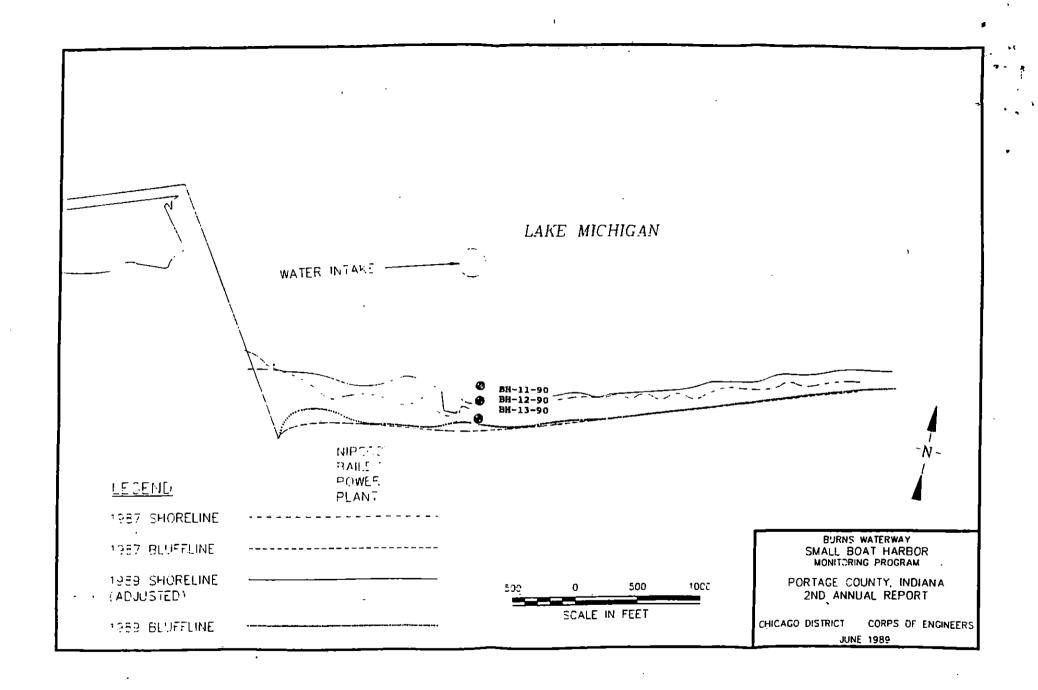


Plate 4
Grab Sampling Sites, FY 1990
Stations BH-11-90 through BH-13-90