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NCBC GULFPORT
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MINUTES FROM 13 MAY 1998 MEETING TO DISCUSS BIOLOGICAL MONITORING PLAN CLARIFICATION NCBC GULFPORT MS
5/13/1998
HARDING LAWSON ASSOCIATES

Meeting Minutes
Biological Monitoring Plan Clarification
MSDEQ Jackson, MS
May 13, 1998

Attendees:

Jerry Banks	MSDEQ
Phillip Weathersby	MSDEQ
Henry Folmer	State MSDEQ
Gordon Crane	NCBC
Art Conrad	SouthDiv
Penny Baxter	HLA-ES
Marland Dulaney	HLA-ES
Arshad Ball	Booz-Allen

A meeting was held at the offices of MSDEQ on May 13, 1998, to present the approach for the biological monitoring plan. First, Art Conrad presented the current status of the delineation offbase and the problems encountered in the swamp area north of the base. Art told DEQ about the presence of the Northeast swamp and that the current plan was to collect approximately 20 more samples to complete the delineation. He stated that this work would begin in a couple of weeks.

Marland Dulaney began the presentation/discussion of the biological monitoring plan. He went over the study objectives: (1) evaluate the risks to human health and environment; (2) evaluate both present and future risks; and (3) establish framework for site-specific remediation goals. Marland gave a brief account of the background of the dioxin history at the base.

Marland discussed the human health risk assessment and stated that the 1990 DEQ methodology as updated by EPA would be used. He told the meeting group that most of the dioxin has been identified, the pathways have been established and the risk can be calculated. He stated that the health risk could be correlated to the cleanup levels and the goal was to establish site-specific goals and a dioxin "fingerprint."

The fingerprint was discussed and also the timeline that the dioxin lasts in the fish. H. Folmer stated that in sediment of 25-30-50 ppt the dioxin appears to last about 6 months. Mr. Folmer asked how many and where the sampling sites would be located. P. Baxter said that 6-8 sites would be chosen. A. Conrad added that a reference site would also be included. M. Dulaney stated that some idea of fishing areas had been established during the Exposure Assessment but that little was known of fishing spots to the east of Rte 49.

Dulaney proposed that Mr. Folmer and Mr. Bass, if possible, meet with the base during the week of June 1 to become familiar with the

potential sampling sites. Mr. Dulaney further suggested that three sampling rounds be completed: pre-spawn, post-spawn and confirmatory and that as many trophic levels as possible will be sampled. Mr. Weathersby asked if crawfish would be sampled. The answer was yes, if enough sample can be collected. Mr. Folmer expressed interest in getting close to Bernard Bayou and collecting channel catfish.

The discussion then turned to areas that may need remediation. Mr. Banks stated that the base may want to monitor for several years, that problems may be coming from the wood treatment plant upstream on Bernard Bayou, and to try to remediate could cause more problems than it would solve by stirring up sediment. G. Crane stated that the onbase ditches, source, and swamp would have to undergo remediation. Mr. Banks said that those areas could be more easily managed since RCRA was no longer an issue. He stated that there was now more flexibility in bringing sediment from those areas back to Site 8 and capping in place.

G. Crane asked if it was necessary to hold off starting the remediation plan or if the ecological sampling would delay the plan. Mr. Banks said that the bayou probably could not be remediated. He saw no need to hold off on the remediation plan. M. Dulaney asked if the biological plan met their expectations. Mr. Folmer agreed that the plan was good. Ms. Baxter asked if there was a need to complete a biological monitoring workplan or if parts of the technical proposal to SouthDiv could substitute for the plan. The group agreed to accepting the proposal as the plan.

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*** ACTIVITY REPORT ***
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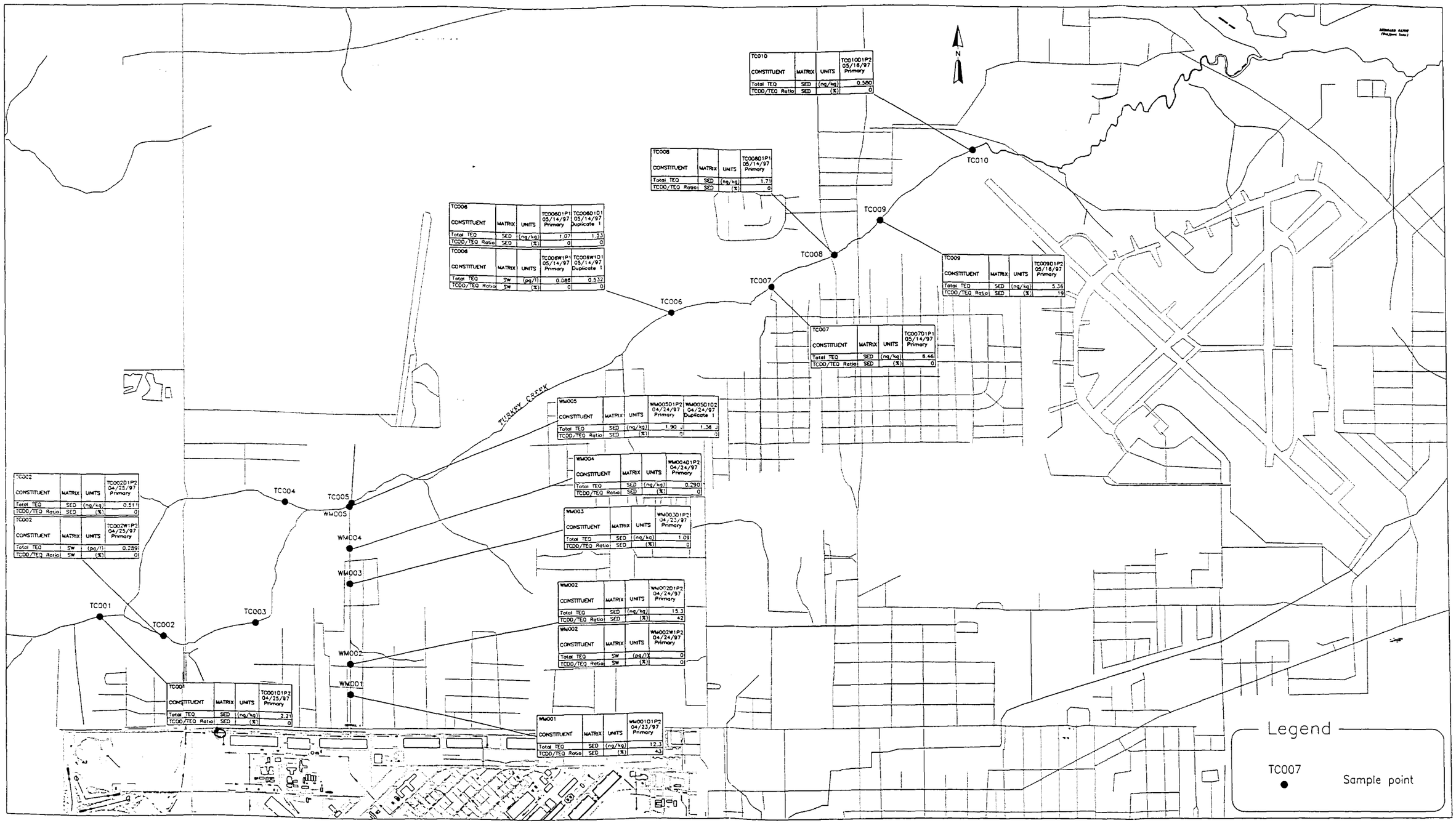

TITLE:

Turkey Creek and Outfall 4
Phase I Sample Locations
Gulfport, MS.

0 1000 2000
FEET

DWN: JRF	DES.:	PROJECT NO.: 02540.26	
CHKD:	APPD:		
DATE: 03/26/98	REV.: 10	FIGURE NO.: 2-9	