CENPS-OP-DMMO

MEMORANDUM FOR RECORD **27 April 1993**

SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER PSDDA EVALUATION PROCEDURES FOR THE LACONNER MARINA FOR DISPOSAL AT THE PSDDA ROSARIO STRAIT OPEN-WATER DISPERSIVE SITE.

1. The Port of Skagit County proposes to dredge 70,900 cubic yards of sediments from its marina at LaConner Washington. The following summary reflects the PSDDA agencies' (Corps of Engineers, Department of Ecology, Department of Natural Resources and the Environmental Protection Agency) consensus decision on the acceptability of the sampling plan and all relevant test data to make a determination of suitability for the disposal of the material at the PSDDA Rosario Strait open-water dispersive site.

2. The ranking for the project area was "moderate", based on the guidance provided in the PSDDA Management Plan Report, Phase II (page A-11) for all existing marinas.

3. A sampling and analysis plan was developed for this project and approved by the PSDDA agencies on 9 February 1993.

4. Five dredged material management units (DMMU) were characterized, three from the North Basin and two from the South Basin. In the North Basin, DMMUs C1, C2 and C3 each consisted of four composited surface samples. DMMU C4 consisted of composited surface sediments from three sample locations from the South Basin and DMMU C5 consisted of composited surface sediments from four sample locations from the South Basin.

5. The chemistry data indicated that no detected exceedances of the Dredging Year 1993 PSDDA screening levels (SL) occurred for any of the five analyses. There were no detection limits reported above SL. The lab encountered difficulties in the analysis of lead for DMMU C4. Initial analysis indicated a level above PSDDA SL. The lab suspected possible matrix interference or lack of sample homogeneity. The sample was redigested and reanalyzed in quadruplicate, using GFAA rather than ICP (to eliminate possible interference). From this analysis, the lab reported a value of 11 for lead for DMMU C4.

6. Tributyltin (TBT) is a chemical of concern in areas of boat moorage, maintenance and repair. The PSDDA agencies expressed concern about the potential for TBT presence in the North Basin (which had not been dredged). To assess the level of concern, TBT testing was undertaken for C1, with samples archived from C2 and C3 (for analysis if TBT was detected above the SL in C1). TBT was below the SL in C1, and no additional testing was required.

7. In summary, the PSDDA-approved sampling and testing plan was followed, and quality assurance, quality control guidelines specified by PSDDA were generally complied with during testing. The data gathered were deemed sufficient and acceptable for a determination of suitability under the PSDDA program.

8. Based on the analysis of the chemical results for the LaConner Marina, the PSDDA agencies concluded that all 70.900 cubic yards of proposed dredged material were suitable for unconfined open-water disposal at a PSDDA dispersive site.

9. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open-water disposal site. It does not constitute final agency approval of the project. A public notice will be issued for this project. During the public comment period which follows a public notice, the resource agencies will provide input on the overall project. A final decision will be made after full consideration of agency input, and after an alternatives analysis is done under section 404 (b)1 of the Clean Water Act.

Concur:

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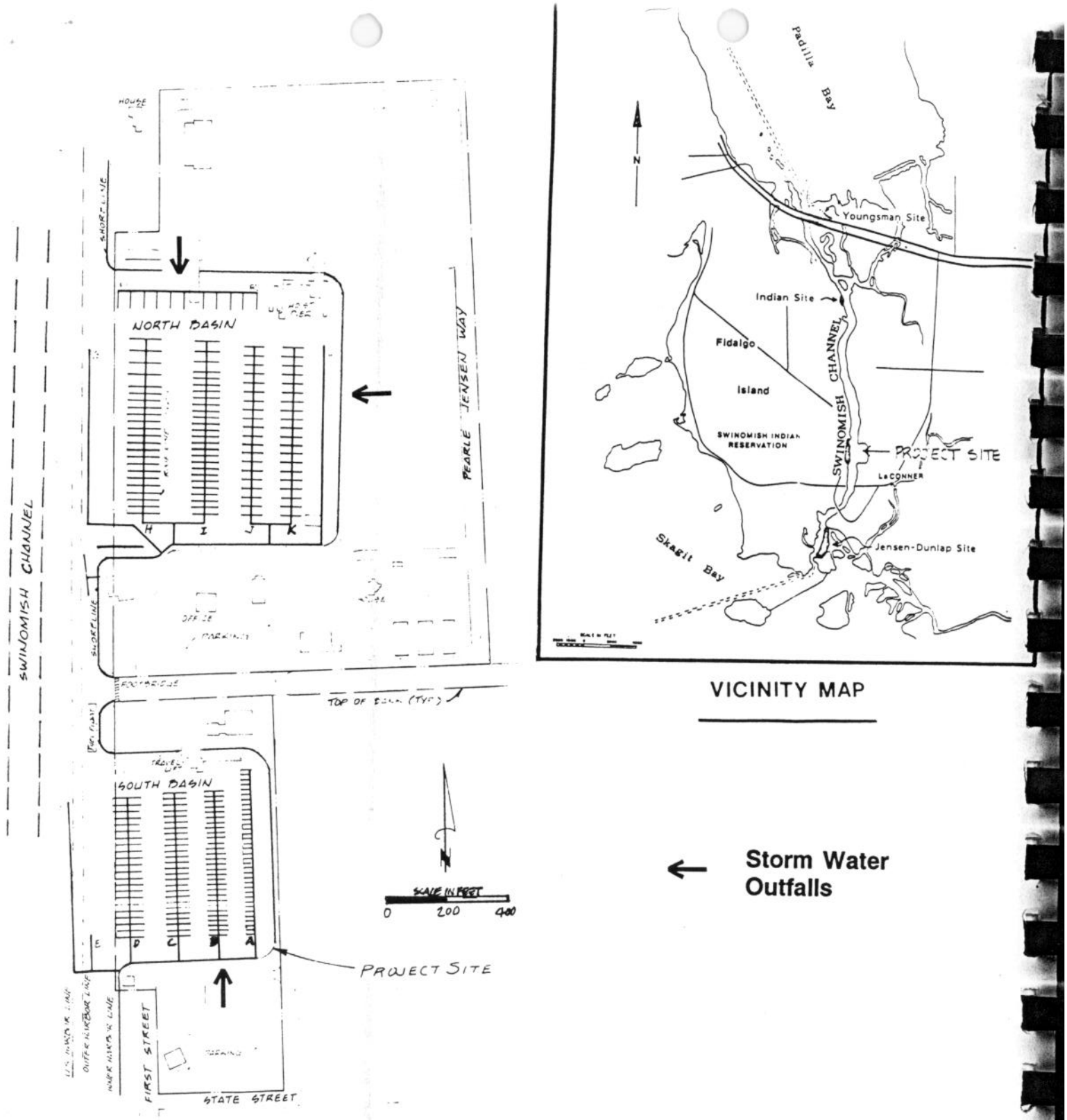

Figure 1.
Map of LaConner Marina, Showing Location of Proposed Sampling Area

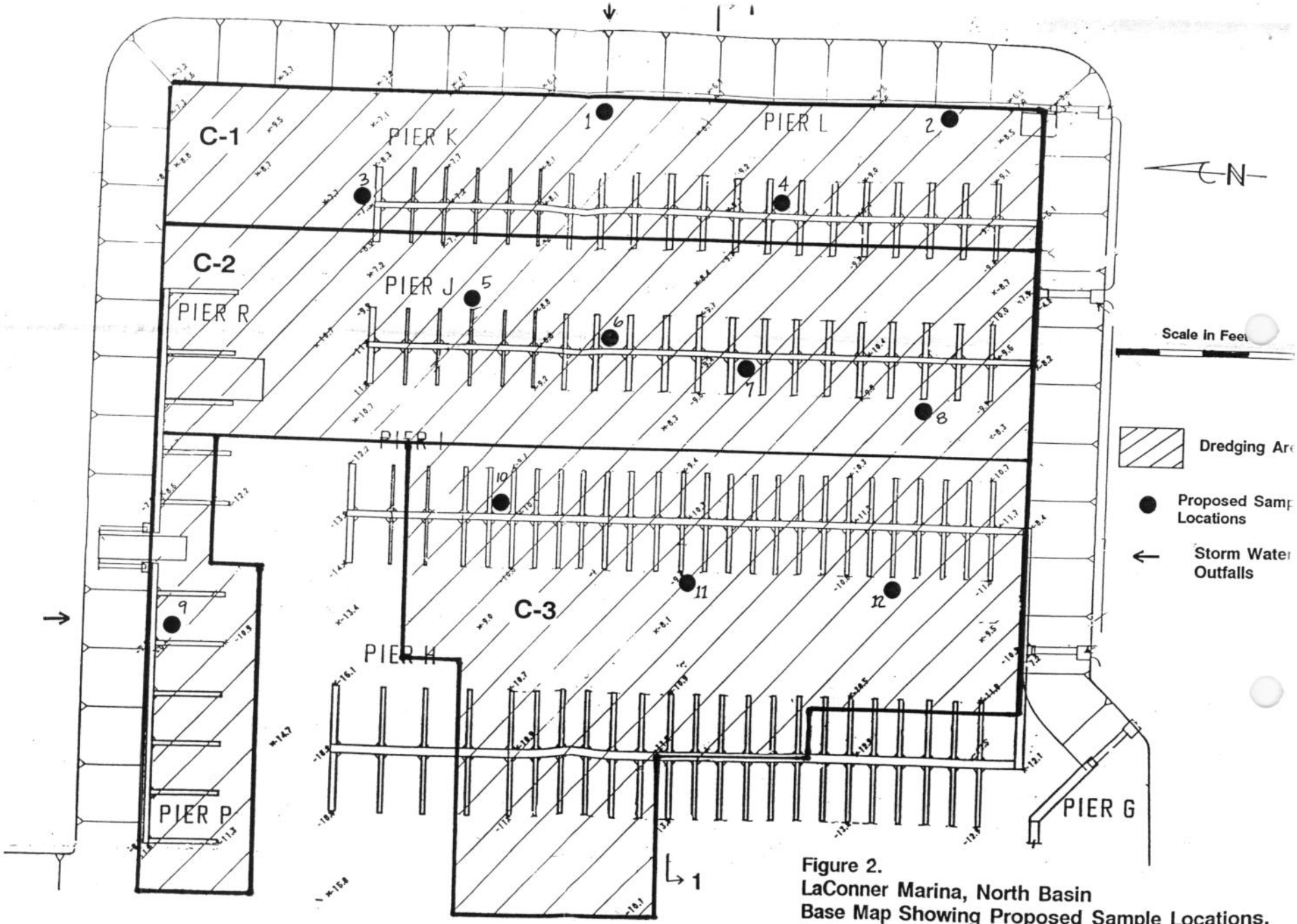

Figure 2.
LaConner Marina, North Basin
Base Map Showing Proposed Sample Locations, Bathymetry, and Outfall Locations

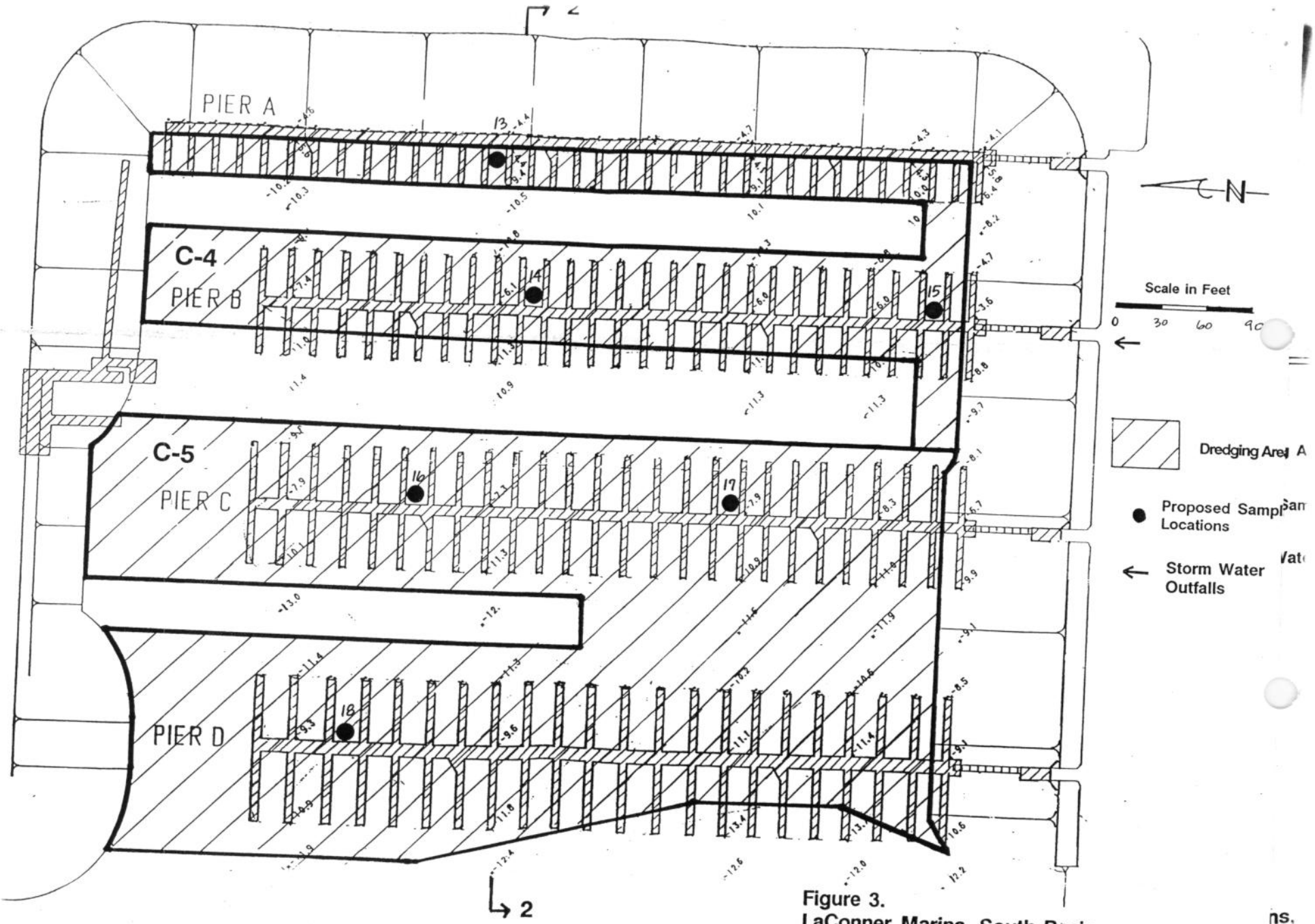

Figure 3.
LaConner Marina, South Basin
Base Map Showing Proposed Sample Locations.