

BORING NUMBER	SAMPLE NUMBER/TYPE	SAMPLE DEPTH (FT)	VISUAL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (PCF)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT	PLASTIC LIMIT	BAR LINEAR SHRINKAGE (%)	PERCENT FINER BY WEIGHT (ABBREVIATED MECHANICAL SIEVE ANALYSIS)					COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH(KSF)*	TORSION SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-75	1Q	0-2	Very stiff brown clay w/ roots	CH	25																4.5
	2Q	2-4	Soft brown clay w/ numerous silt seams, an organic and ferrous nodules	CL	29	91		40	18	22					100					0.3	0.5
	3Q	4-6	Soft brown and gray clay w/ silt pockets and organic matter	CH	60																0.4
	4Q	6-8	Very soft silty-clay w/ sand pockets	CL	37																0.2
	5J	8.5-10	Brown silty fine sand w/ clay pockets	SM											100	24					
	6J	13.5-15	Brown and olive gray silty-clay w/ sand pockets	CL	45																
	7J	15-17	Olive gray sandy-clay w/ shell fragments and roots	CL	47			36	15	21		100	99	97	65						
	8J	17-19	Olive gray sandy-clay w/ shell fragments	CL	25																
	9J	19.5-21	Tan silty fine sand	SM																	
	10J	23.5-25	Tan silty fine sand w/ clay seams	SM											100	18					
89-76	1J	3-5	Tan sandy-clay	CL	16																
	2J	8-10	Brown clay w/ sand pockets	CH	46										100	97	87				
	3J	13-15	Brown clay w/ sand pockets	CH	44																
	4J	18-20	Brown sandy-clay	CL	38																
89-77	1J	3-5	Red sandy-clay w/ shell fragments and calcareous nodules	CL	21			38	15	22	100	94	93	90	65						
	2J	8-10	Brown silty fine sand	SM																	
	3J	13-15	Gray and brown clay w/ sand pockets	CH	32			54	20	24											
	4J	18-20	Brown clay w/ sand pockets	CH	39																

*Based on Unconfined Compression Test Results

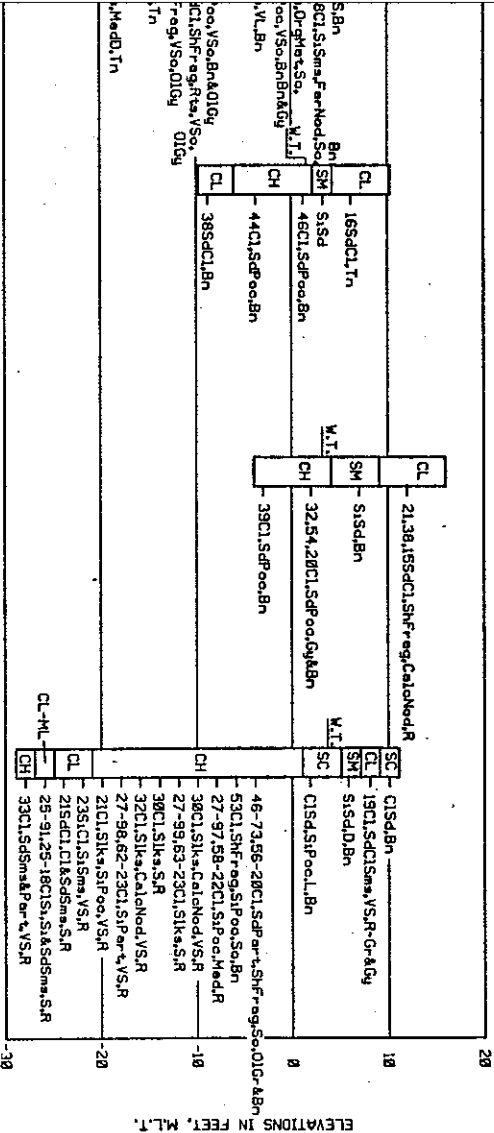
SUMMARY OF TEST RESULTS

Disposal Area No. 3
Mouth of Colorado River Project
Matagorda, Texas

89-75*

89-77*

89-78



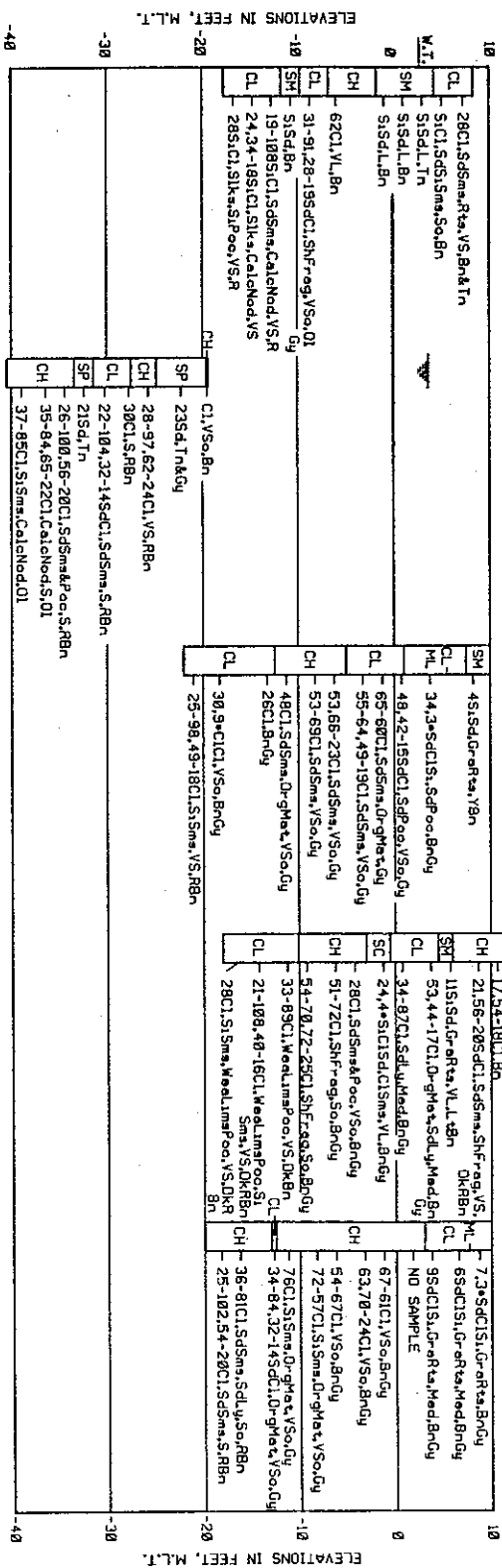
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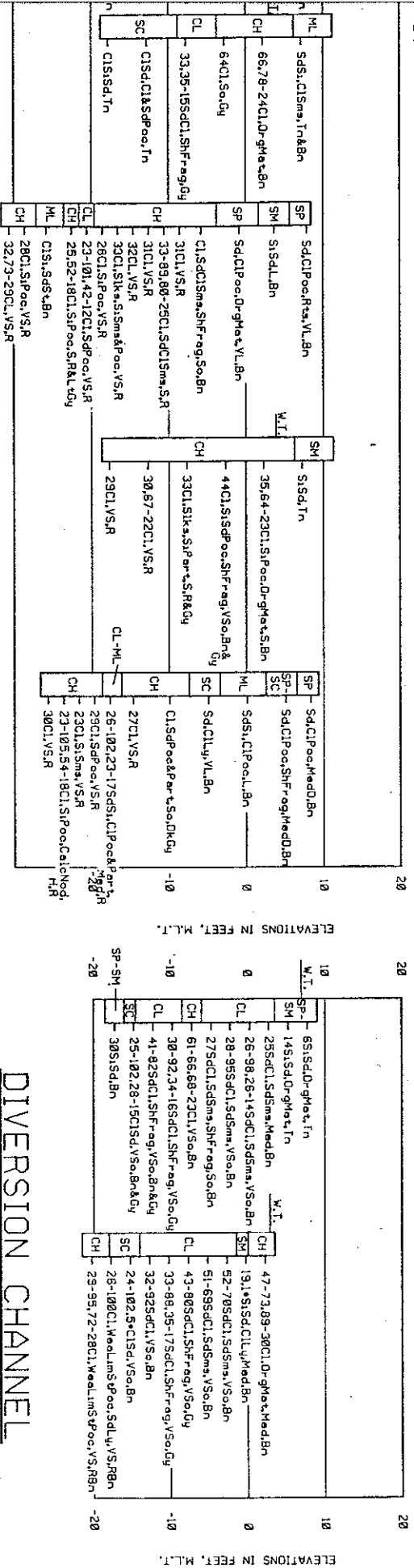


DIVERSION DAM

LOGS OF BORINGS

79-99

79-100



DIVERSION CHANNEL

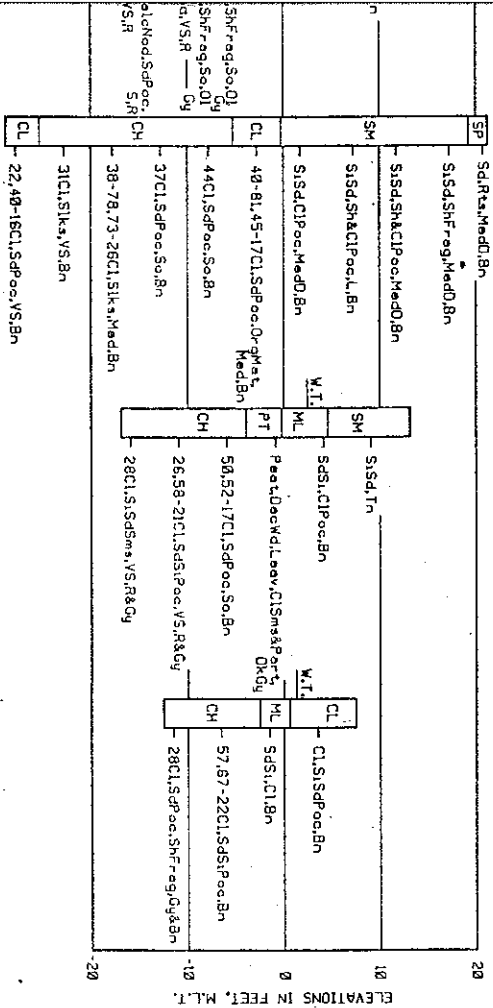
LOGS OF BORINGS

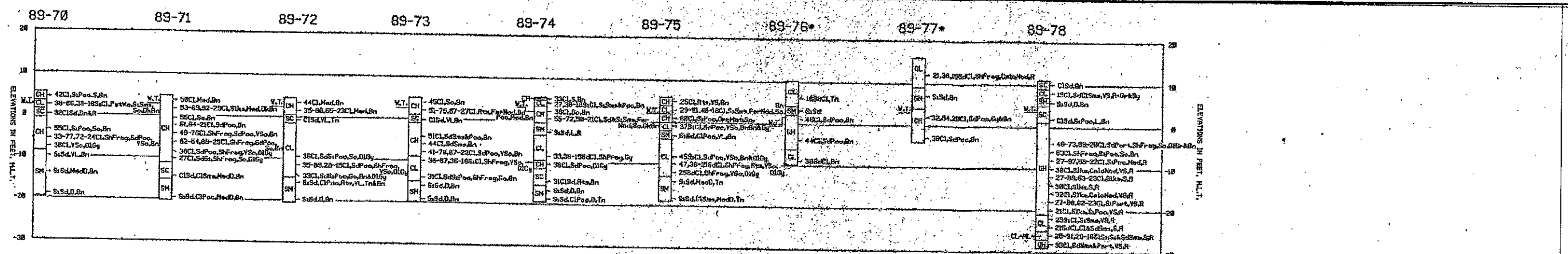
NOTE: APPROXIMATE MAXIMUM DEPTH OF PREVIOUS DREDGING IS TO EL. -21.0 M.L.T.

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LOGS OF BORINGS
DISPOSAL AREA NO. 3

NOTES:

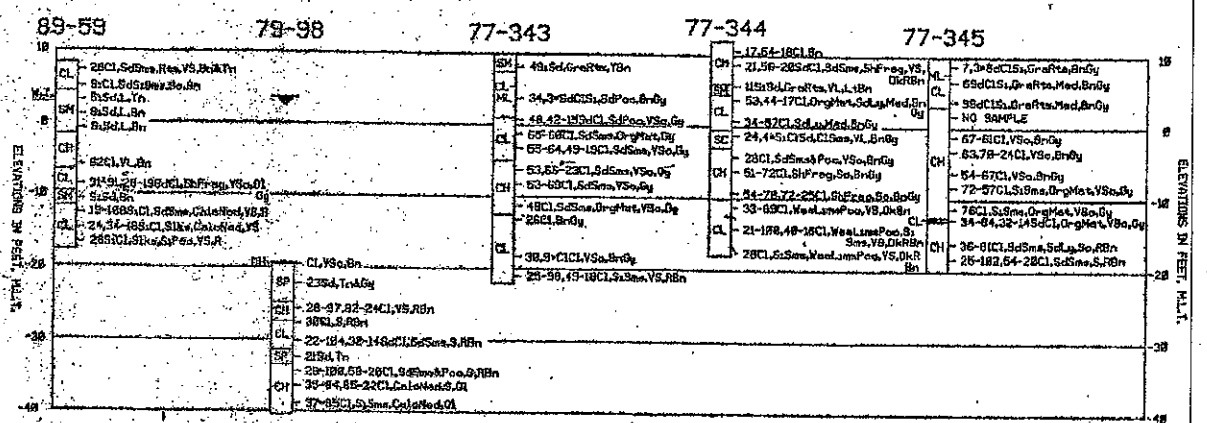
1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 883B "UNITED SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS, AND FORTIFICATIONS." CONSISTENCY OF SOILS SUCH AS SOFT, MEDIAL, HARD, LOOSE, DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNSATURATED SUCR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION, POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.
2. FIGURES TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID LIMIT, PLASTIC LIMIT, AND BAR LINEAR SHRINKAGE. (U-40-10-PL-11/L-1)
3. BORINGS 89-59 THRU 89-62, 89-70 THRU 89-75 89-78, 79-58, 77-343 THRU 77-345, AND 79-95 THRU 79-97, WERE DRILLED USING ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED, WHERE COHESIONLESS MATERIALS WERE ENCOUNTERED, 6-INCH DIAMETER SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PENETRATION OF THE STANDARD PENETRATION TESTS.
4. BORINGS 89-63, 89-66, 89-68, 89-69, 89-71, 89-72, 89-73, 89-74, 89-76, 89-77, 89-79, 89-80, 89-81, 89-82, 89-83, 89-84, 89-85, 89-86, 89-87, 89-88, 89-89, 89-90, 89-91, 89-92, 89-93, 89-94, 89-95, 89-96, 89-97, 89-98, 89-99, 89-100, 89-101, 89-102, 89-103, 89-104, 89-105, 89-106, 89-107, 89-108, 89-109, 89-110, 89-111, 89-112, 89-113, 89-114, 89-115, 89-116, 89-117, 89-118, 89-119, 89-120, 89-121, 89-122, 89-123, 89-124, 89-125, 89-126, 89-127, 89-128, 89-129, 89-130, 89-131, 89-132, 89-133, 89-134, 89-135, 89-136, 89-137, 89-138, 89-139, 89-140, 89-141, 89-142, 89-143, 89-144, 89-145, 89-146, 89-147, 89-148, 89-149, 89-150, 89-151, 89-152, 89-153, 89-154, 89-155, 89-156, 89-157, 89-158, 89-159, 89-160, 89-161, 89-162, 89-163, 89-164, 89-165, 89-166, 89-167, 89-168, 89-169, 89-170, 89-171, 89-172, 89-173, 89-174, 89-175, 89-176, 89-177, 89-178, 89-179, 89-180, 89-181, 89-182, 89-183, 89-184, 89-185, 89-186, 89-187, 89-188, 89-189, 89-190, 89-191, 89-192, 89-193, 89-194, 89-195, 89-196, 89-197, 89-198, 89-199, 89-200, 89-201, 89-202, 89-203, 89-204, 89-205, 89-206, 89-207, 89-208, 89-209, 89-210, 89-211, 89-212, 89-213, 89-214, 89-215, 89-216, 89-217, 89-218, 89-219, 89-220, 89-221, 89-222, 89-223, 89-224, 89-225, 89-226, 89-227, 89-228, 89-229, 89-230, 89-231, 89-232, 89-233, 89-234, 89-235, 89-236, 89-237, 89-238, 89-239, 89-240, 89-241, 89-242, 89-243, 89-244, 89-245, 89-246, 89-247, 89-248, 89-249, 89-250, 89-251, 89-252, 89-253, 89-254, 89-255, 89-256, 89-257, 89-258, 89-259, 89-260, 89-261, 89-262, 89-263, 89-264, 89-265, 89-266, 89-267, 89-268, 89-269, 89-270, 89-271, 89-272, 89-273, 89-274, 89-275, 89-276, 89-277, 89-278, 89-279, 89-280, 89-281, 89-282, 89-283, 89-284, 89-285, 89-286, 89-287, 89-288, 89-289, 89-290, 89-291, 89-292, 89-293, 89-294, 89-295, 89-296, 89-297, 89-298, 89-299, 89-300, 89-301, 89-302, 89-303, 89-304, 89-305, 89-306, 89-307, 89-308, 89-309, 89-310, 89-311, 89-312, 89-313, 89-314, 89-315, 89-316, 89-317, 89-318, 89-319, 89-320, 89-321, 89-322, 89-323, 89-324, 89-325, 89-326, 89-327, 89-328, 89-329, 89-330, 89-331, 89-332, 89-333, 89-334, 89-335, 89-336, 89-337, 89-338, 89-339, 89-340, 89-341, 89-342, 89-343, 89-344, 89-345, 89-346, 89-347, 89-348, 89-349, 89-350, 89-351, 89-352, 89-353, 89-354, 89-355, 89-356, 89-357, 89-358, 89-359, 89-360, 89-361, 89-362, 89-363, 89-364, 89-365, 89-366, 89-367, 89-368, 89-369, 89-370, 89-371, 89-372, 89-373, 89-374, 89-375, 89-376, 89-377, 89-378, 89-379, 89-380, 89-381, 89-382, 89-383, 89-384, 89-385, 89-386, 89-387, 89-388, 89-389, 89-390, 89-391, 89-392, 89-393, 89-394, 89-395, 89-396, 89-397, 89-398, 89-399, 89-400, 89-401, 89-402, 89-403, 89-404, 89-405, 89-406, 89-407, 89-408, 89-409, 89-410, 89-411, 89-412, 89-413, 89-414, 89-415, 89-416, 89-417, 89-418, 89-419, 89-420, 89-421, 89-422, 89-423, 89-424, 89-425, 89-426, 89-427, 89-428, 89-429, 89-430, 89-431, 89-432, 89-433, 89-434, 89-435, 89-436, 89-437, 89-438, 89-439, 89-440, 89-441, 89-442, 89-443, 89-444, 89-445, 89-446, 89-447, 89-448, 89-449, 89-450, 89-451, 89-452, 89-453, 89-454, 89-455, 89-456, 89-457, 89-458, 89-459, 89-460, 89-461, 89-462, 89-463, 89-464, 89-465, 89-466, 89-467, 89-468, 89-469, 89-470, 89-471, 89-472, 89-473, 89-474, 89-475, 89-476, 89-477, 89-478, 89-479, 89-480, 89-481, 89-482, 89-483, 89-484, 89-485, 89-486, 89-487, 89-488, 89-489, 89-490, 89-491, 89-492, 89-493, 89-494, 89-495, 89-496, 89-497, 89-498, 89-499, 89-500, 89-501, 89-502, 89-503, 89-504, 89-505, 89-506, 89-507, 89-508, 89-509, 89-510, 89-511, 89-512, 89-513, 89-514, 89-515, 89-516, 89-517, 89-518, 89-519, 89-520, 89-521, 89-522, 89-523, 89-524, 89-525, 89-526, 89-527, 89-528, 89-529, 89-530, 89-531, 89-532, 89-533,

VISUAL CLASSIFICATIONS

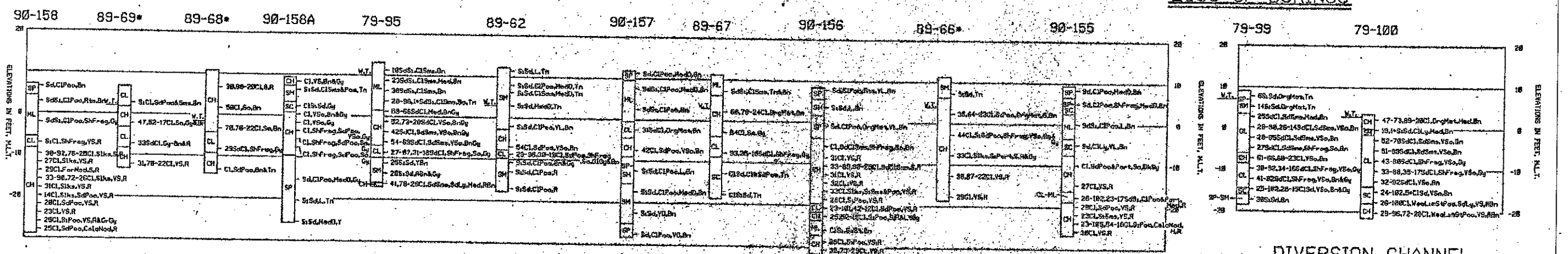
Bn Brownish	Ol Olive
Cl Claylike	Or Organic
Col Coliculous	Part Parthoid
O Benas	Part Petroleum
Deo Devoiled	Poa Poochlike
Dep Deposited	P Pouchlike
Ok Dark	Rh Rhoistic
For Ferrous	S Stiff
Frag Fragmental	Sd Sandily
Or Greenish	Sh Shekly
Gr Grass	Sl Silty
Gr Graylike	Ske Silkenlike
L Loose	Sw Swims
Leay Leavay	So Soft
Linn Linerlike	Tn Tantal
Lt Light	V Vandy
Ly Lye-like	Wg Waste
Not Narylike	Wo Wooden
Not Narylike	Yd Yodierlike
Nod Nodlike	

LABORATORY CLASSIFICATION

SP POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM SILT SANDS, SAND-SILT MIXTURES.
CL INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
ML INORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-SILT MIXTURES.
PT PEAT AND OTHER HIGHLY ORGANIC SOILS.

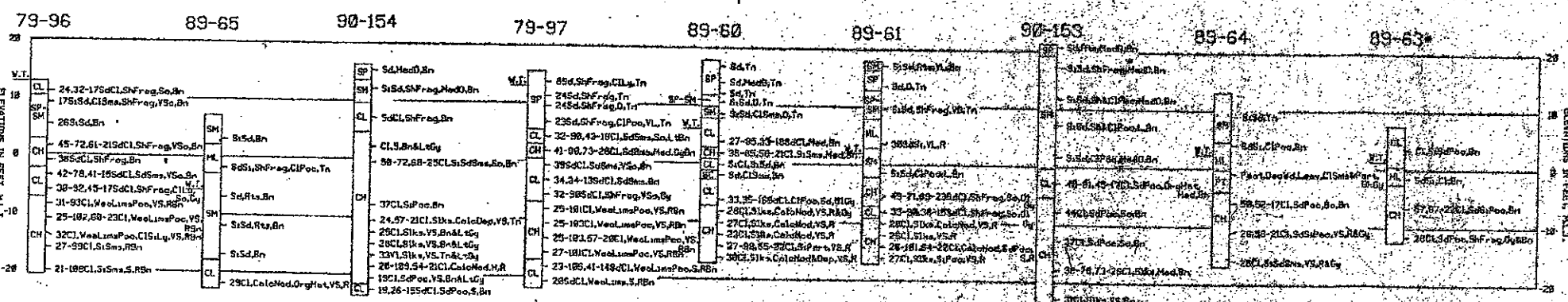


DIVERSION DAM
LOGS OF BORINGS



DIVERSION CHANNEL
LOGS OF BORINGS

NOTE: APPROXIMATE MAXIMUM DEPTH OF PREVIOUS DREDGING IS TO EL. -2.0 M.L.T.



CONNECTING CHANNEL
LOGS OF BORINGS

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