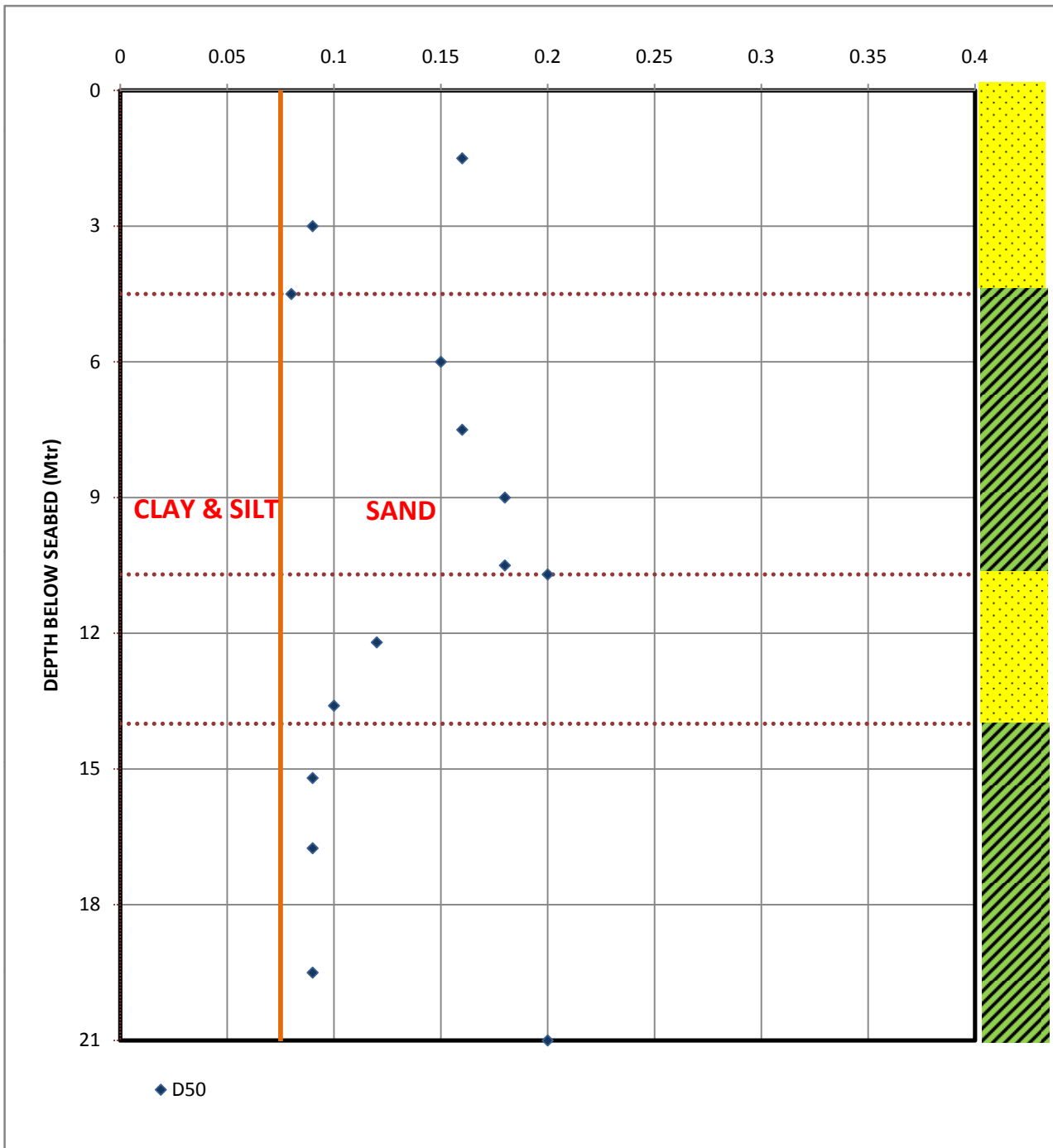
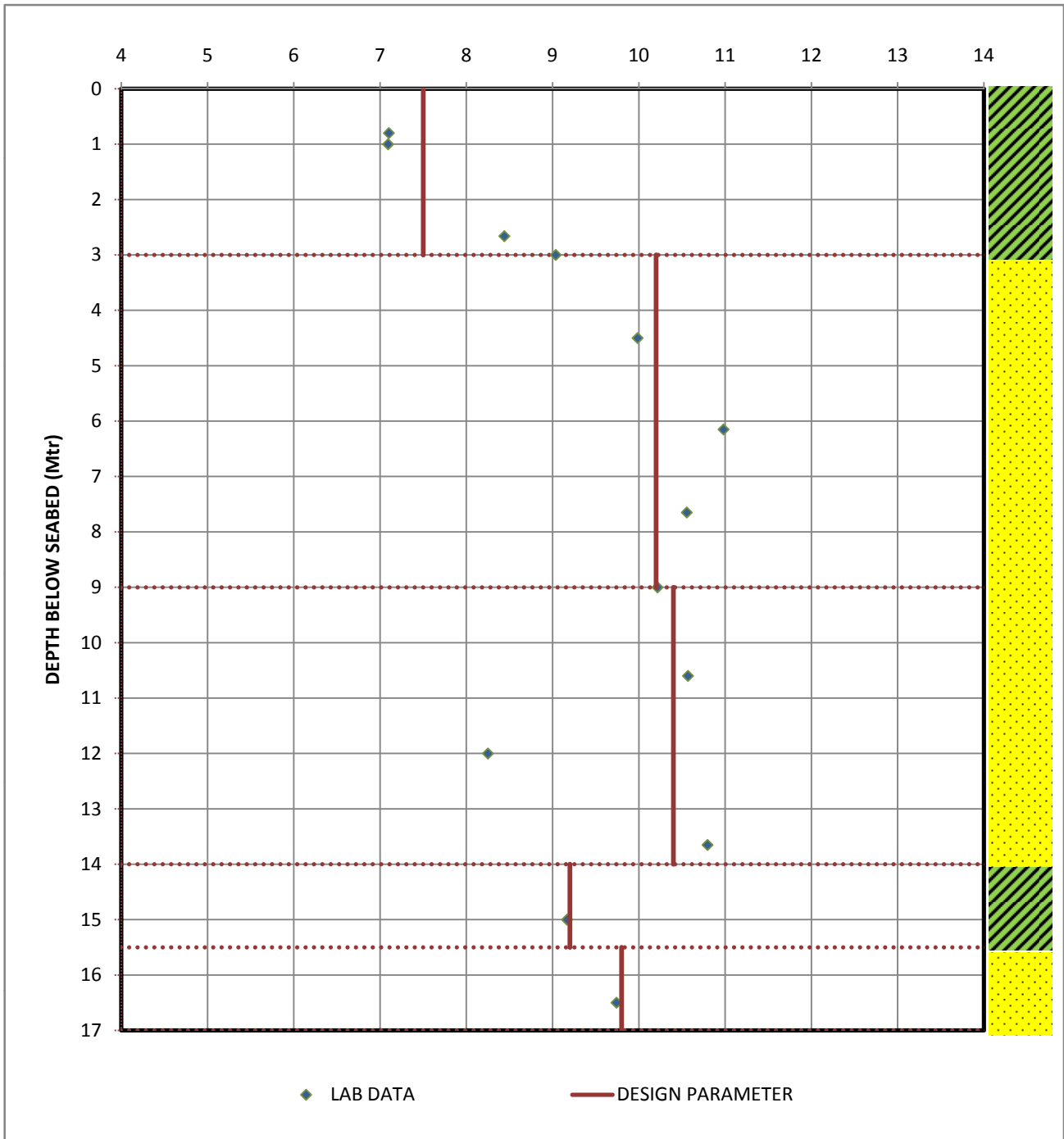


D50

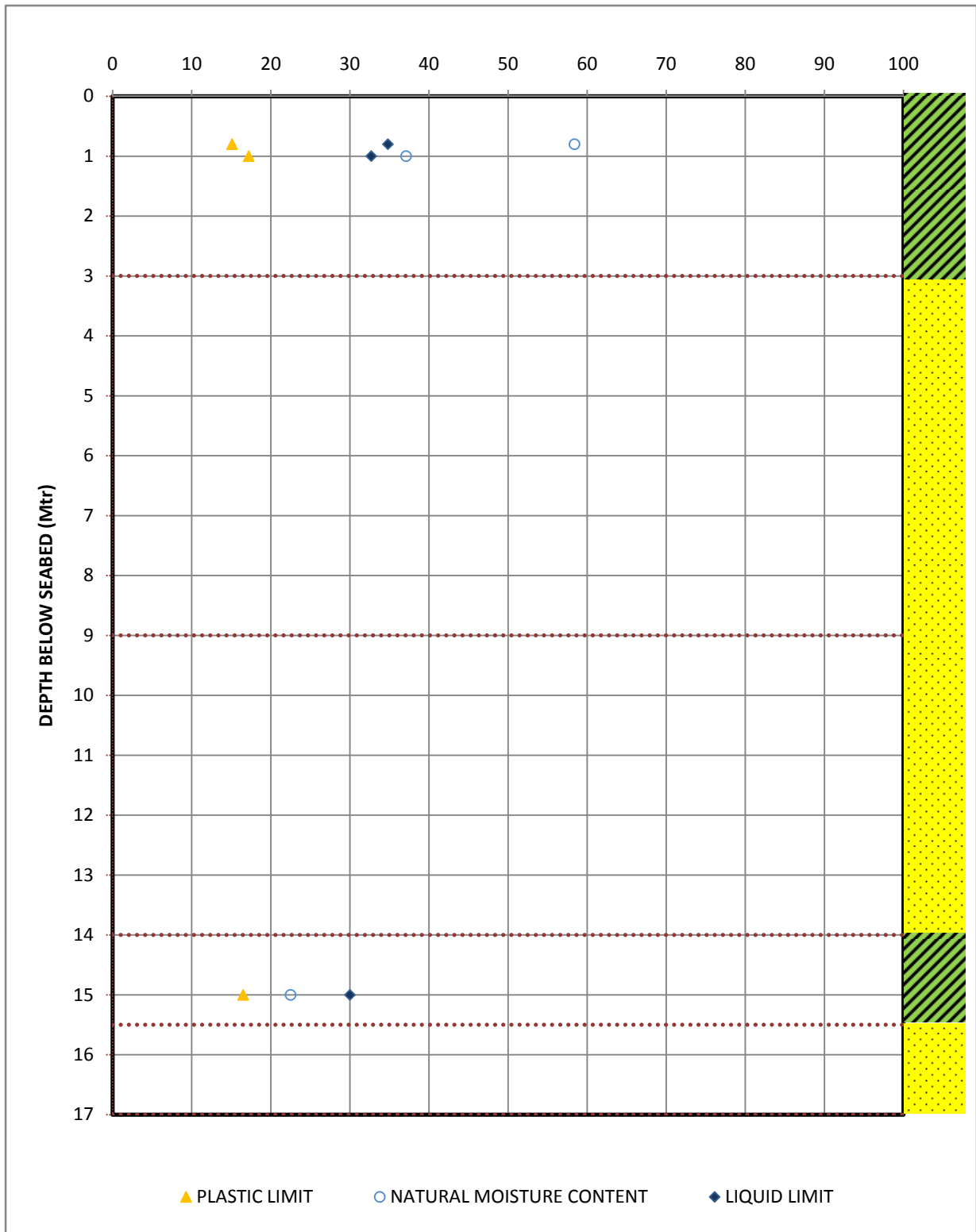


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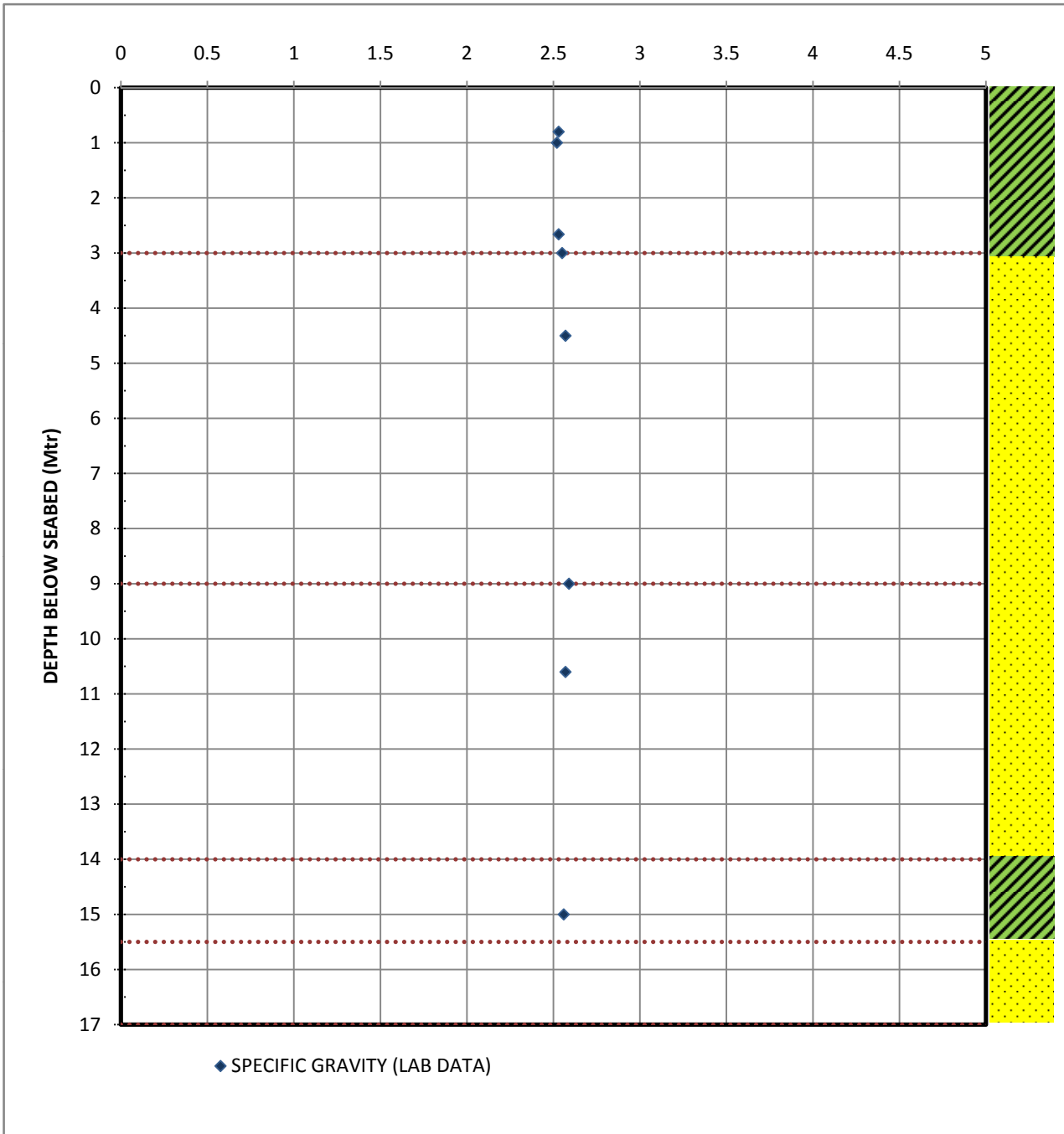
SUBMERGED UNIT WEIGHT KN/M<sup>3</sup>



MOISTURE CONTENT (%)

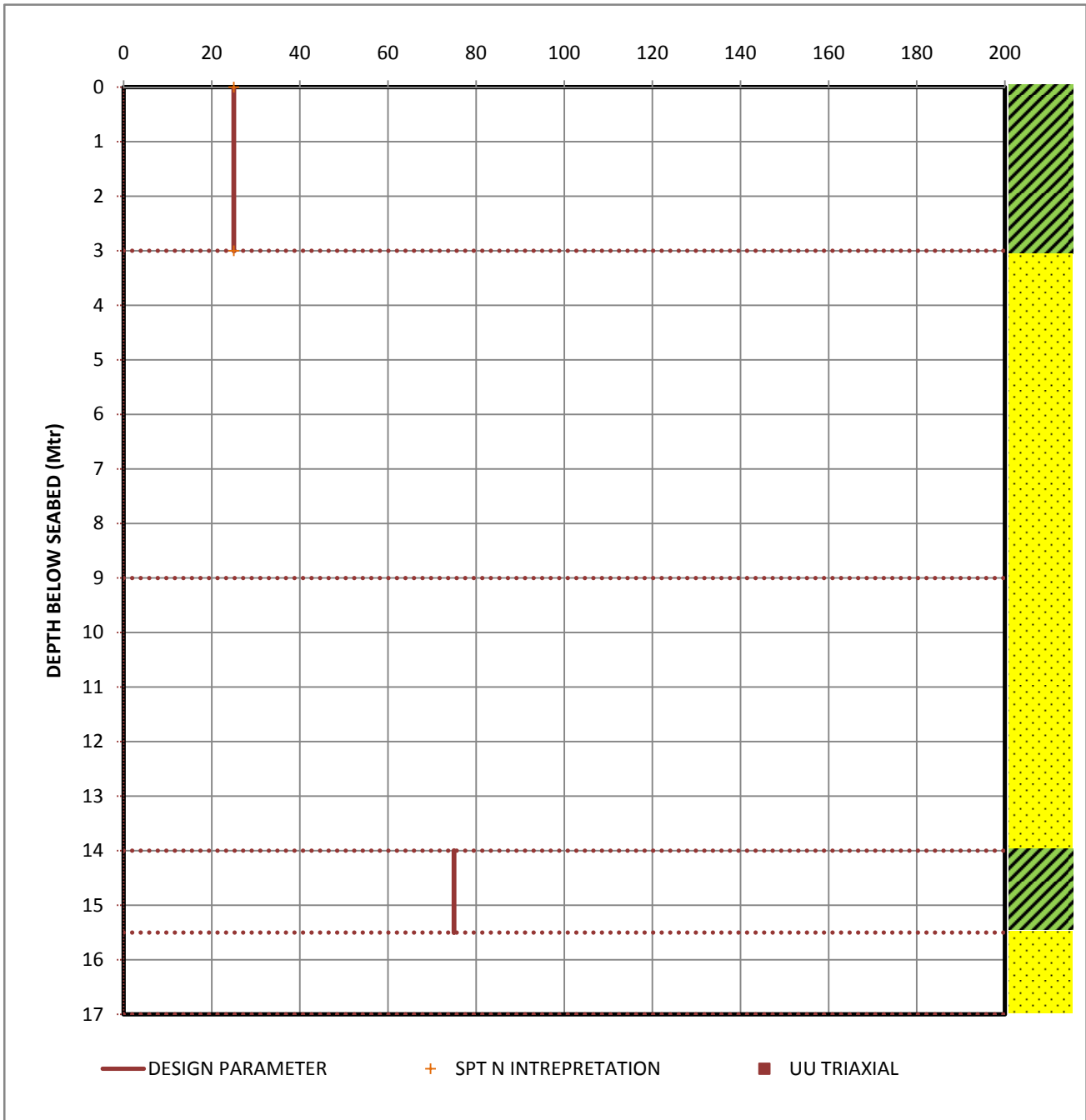


SPECIFIC GRAVITY

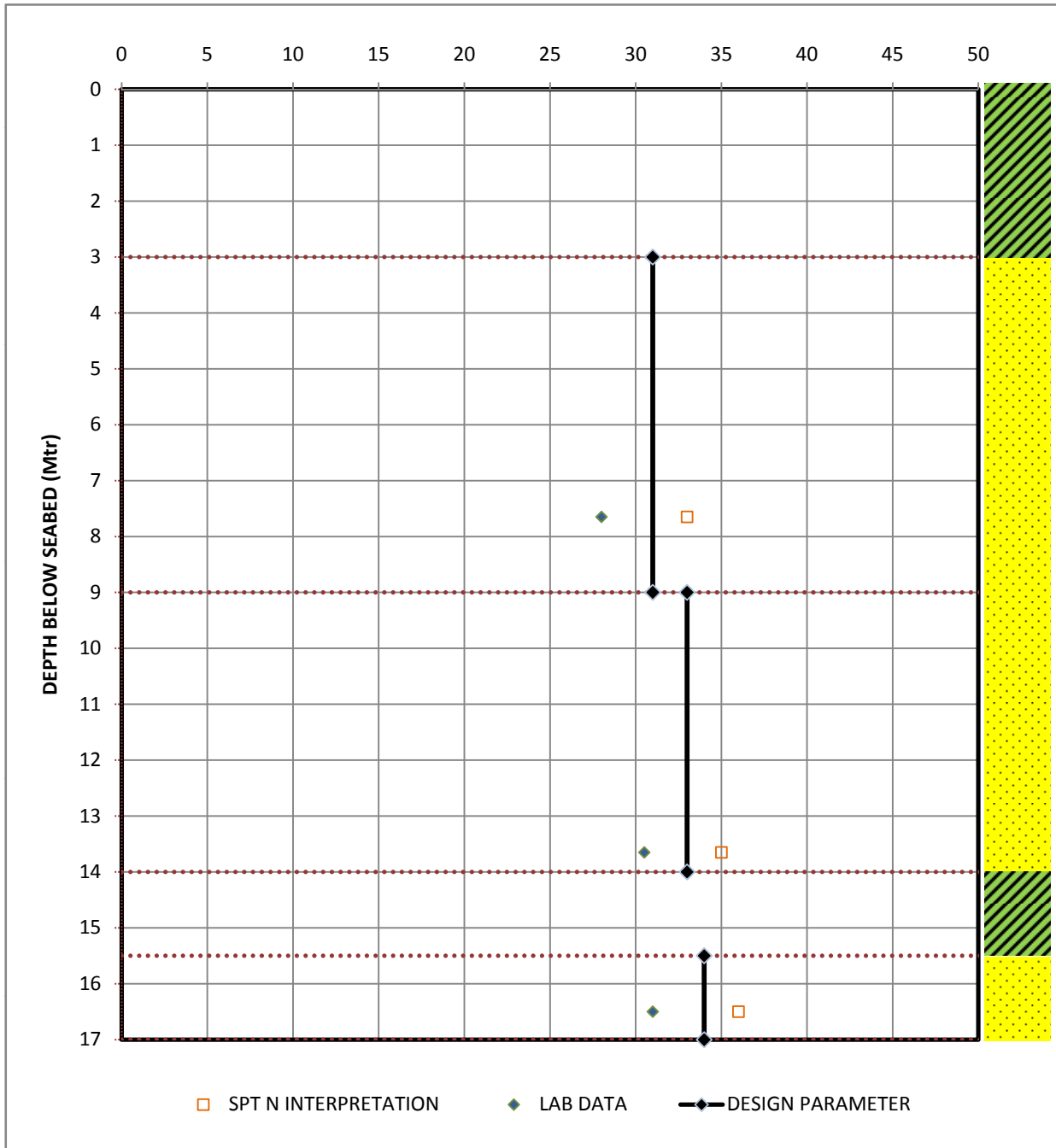


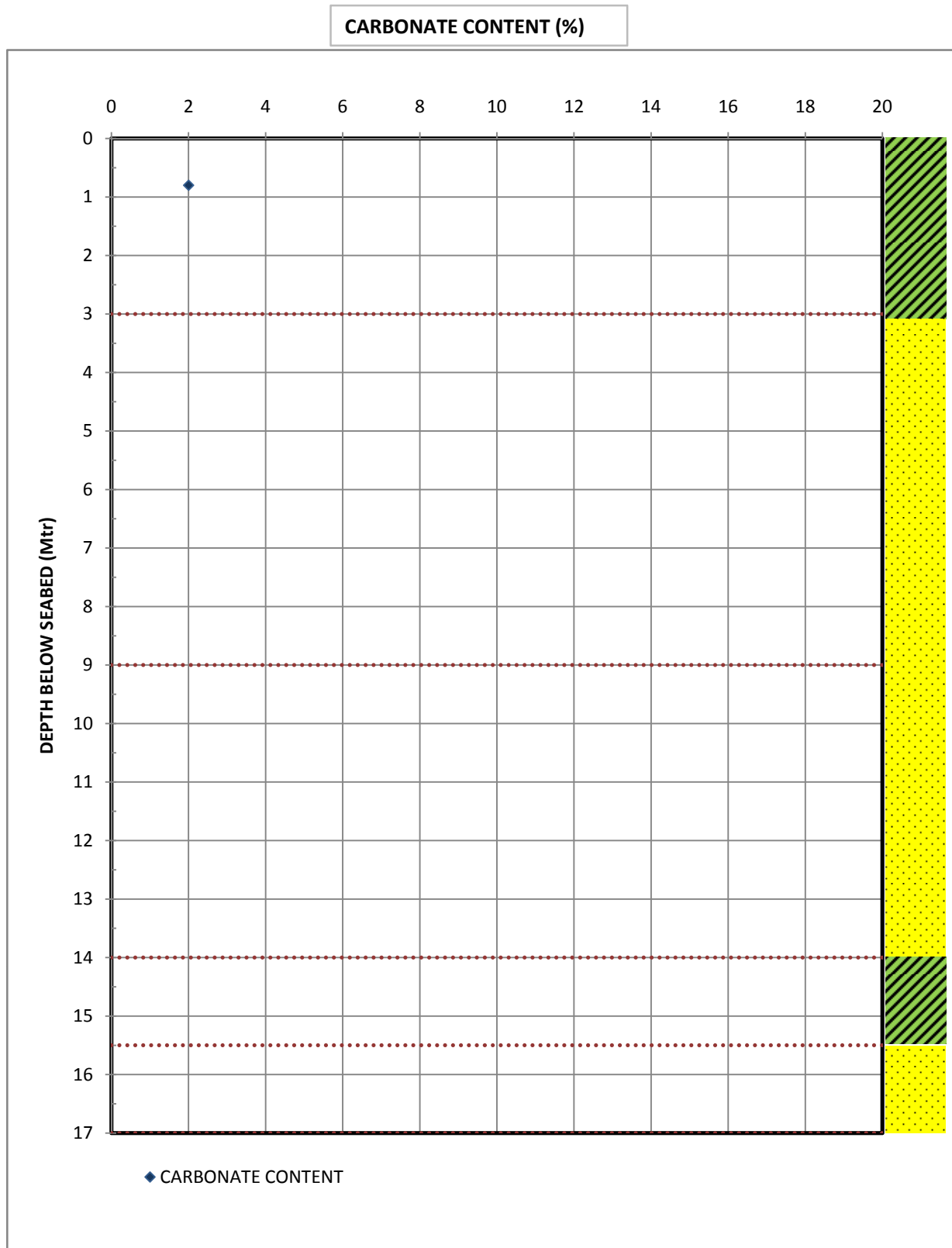
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SHEAR STRENGTH (IN kPa)



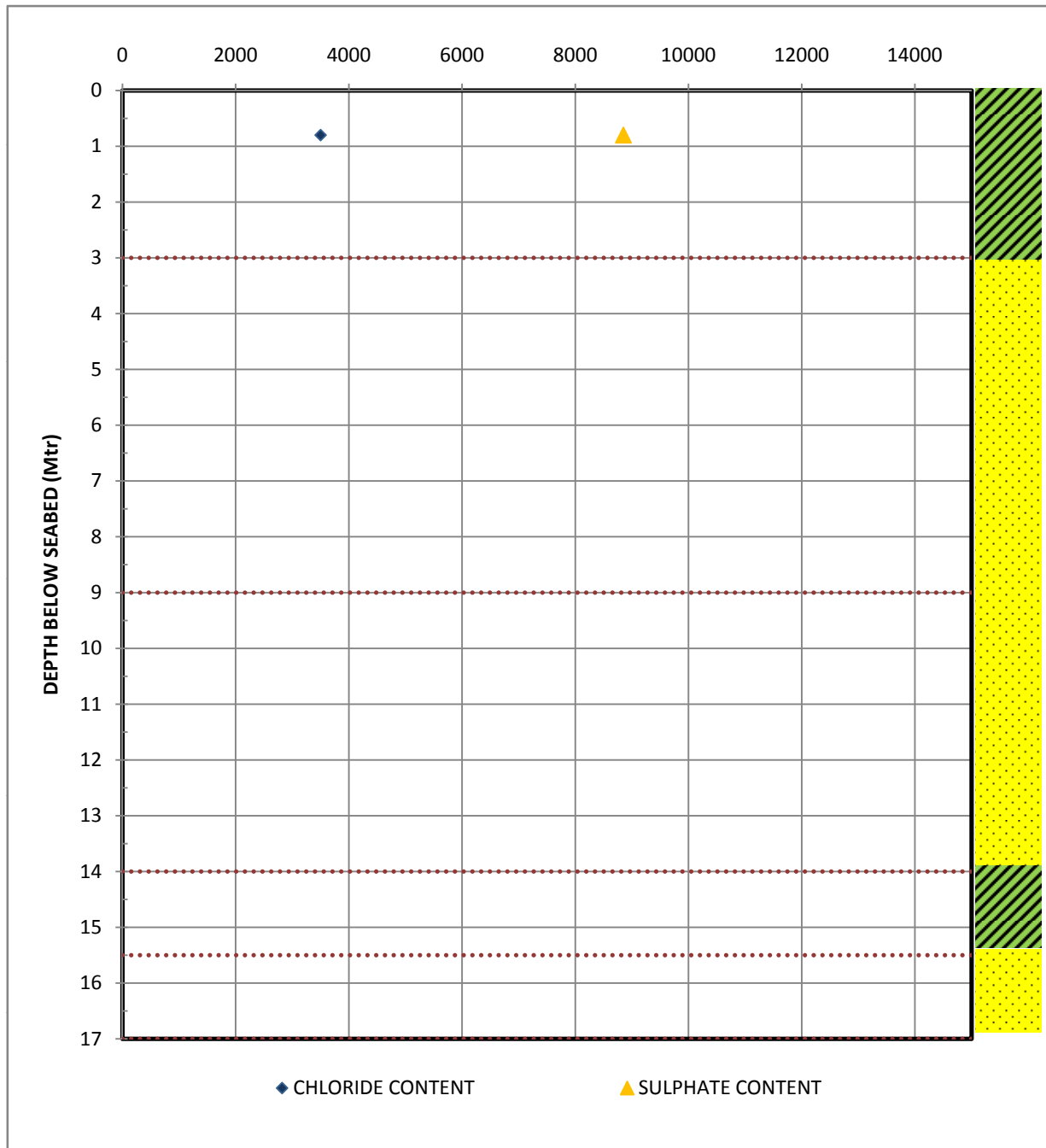
ANGLE OF INTERNAL FRICTION-PHI (DEGREE)



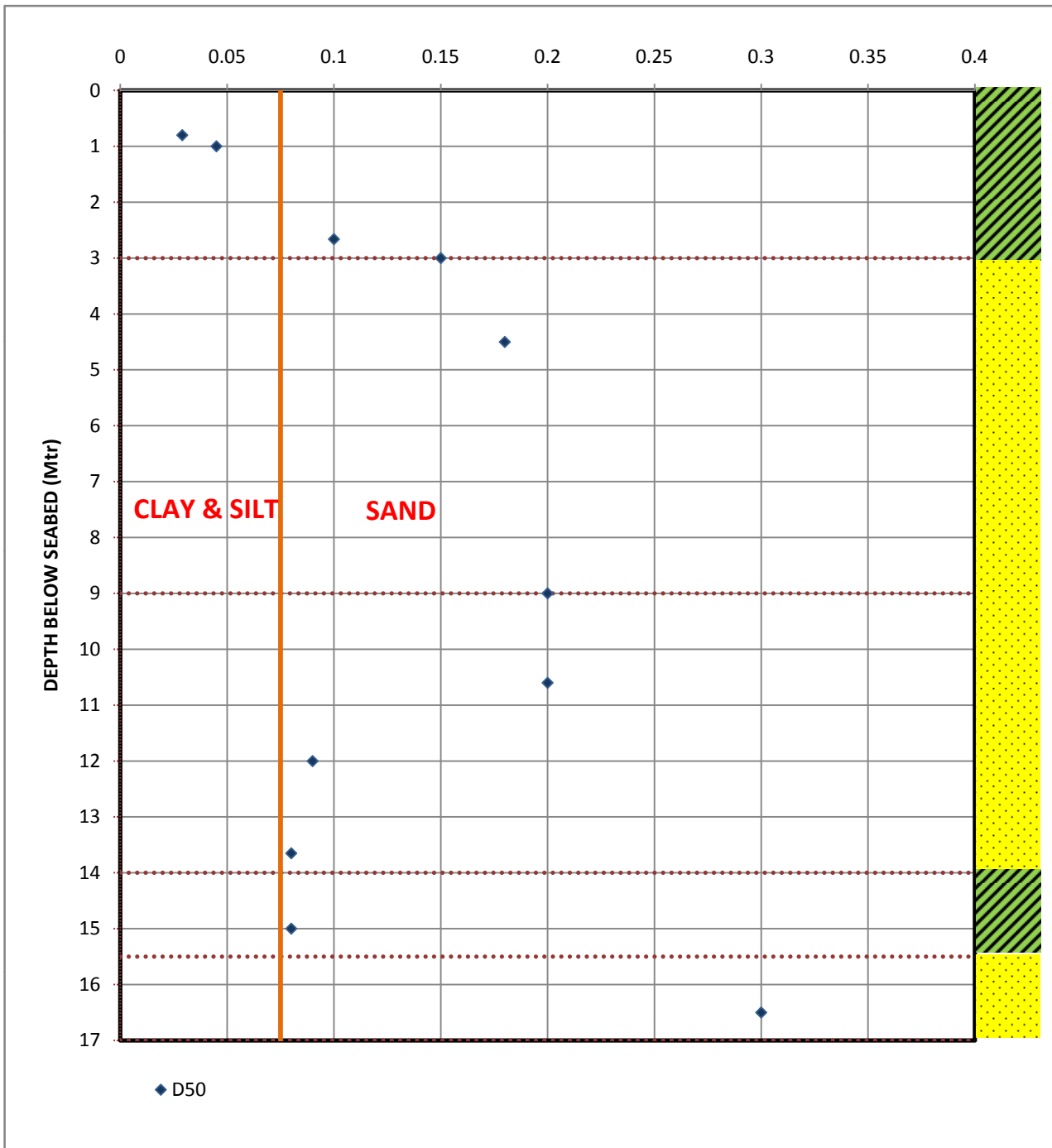


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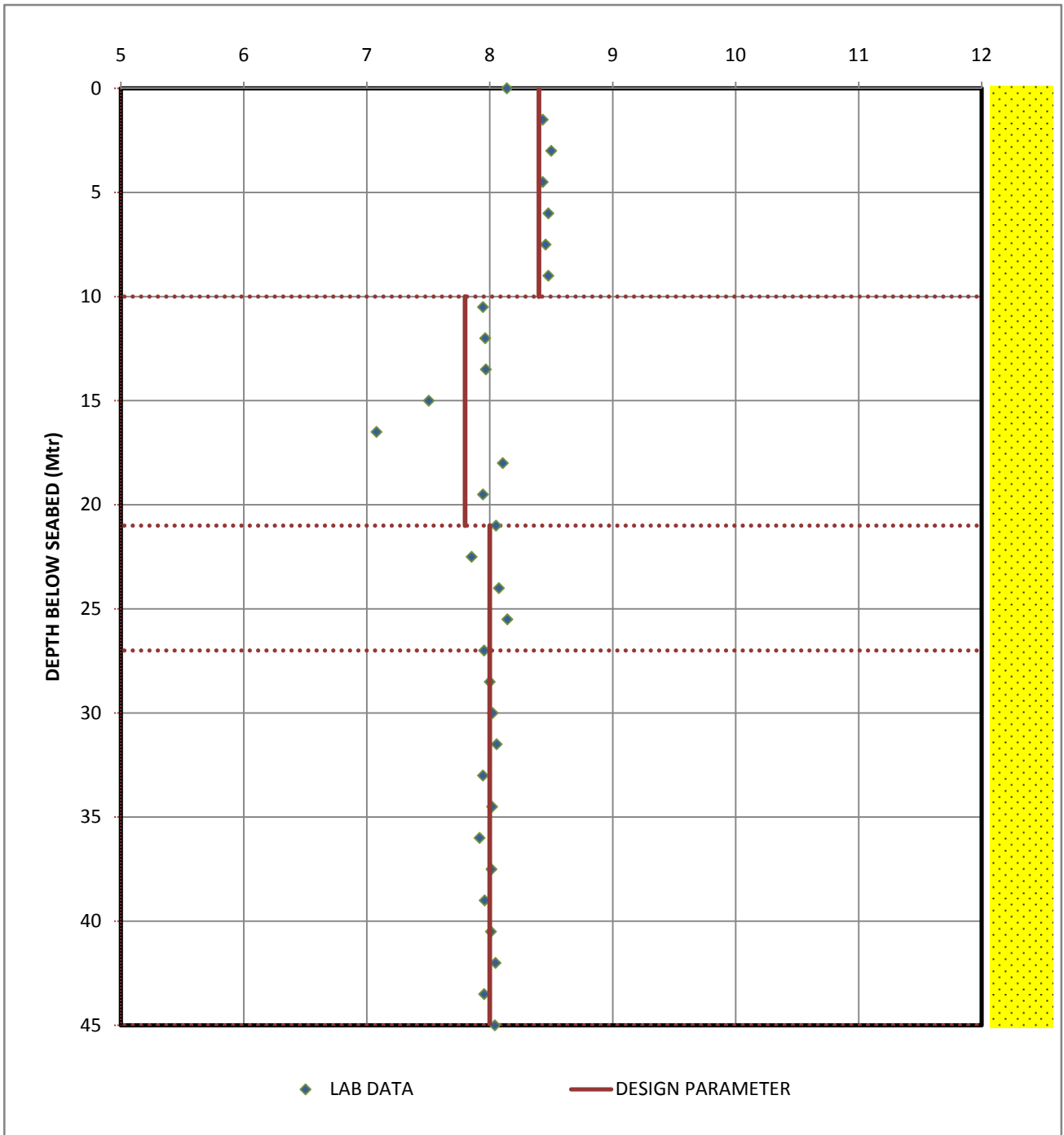
CHEMICAL CONTENTS in PPM



D50

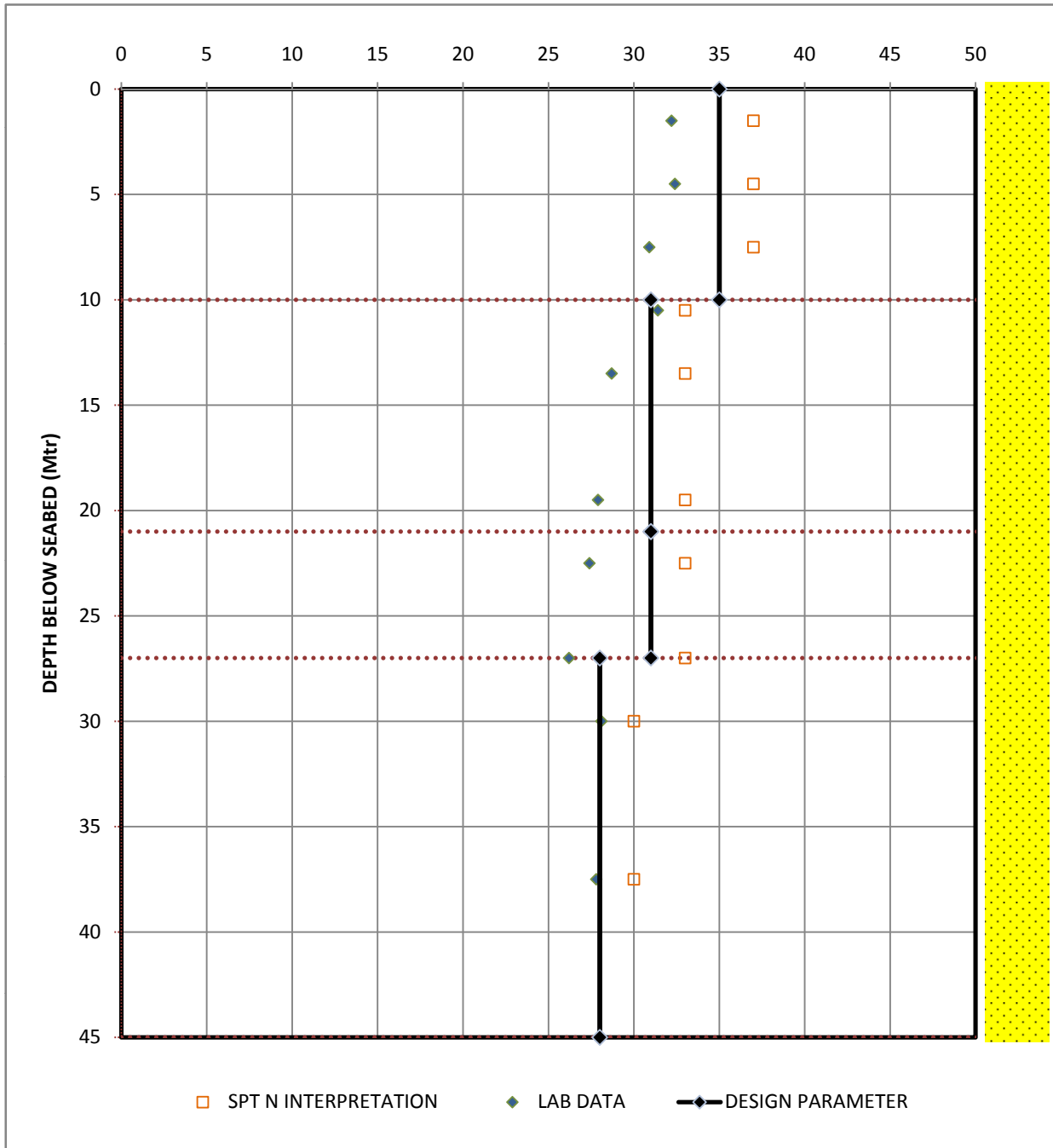


SUBMERGED UNIT WEIGHT KN/M<sup>3</sup>

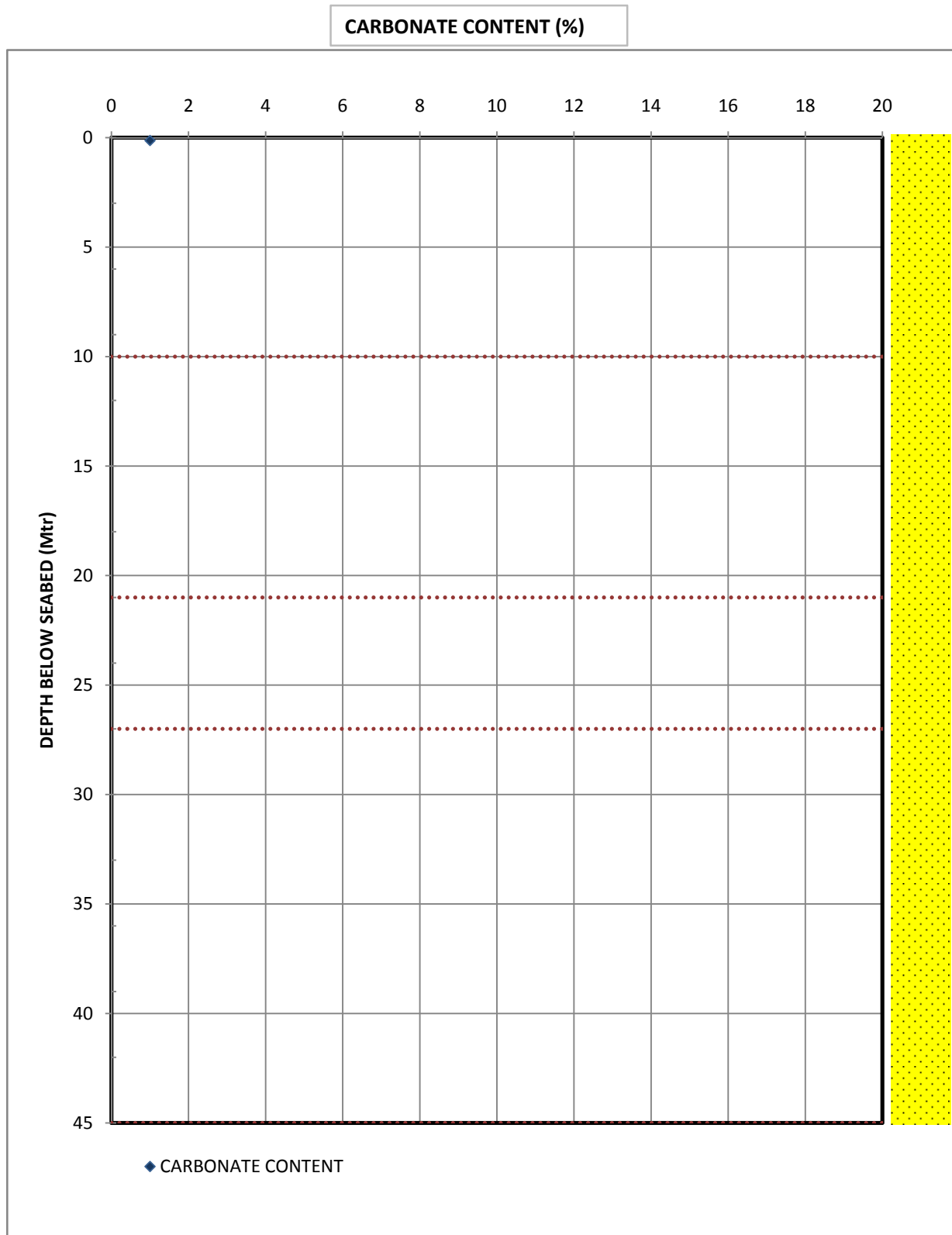




ANGLE OF INTERNAL FRICTION-PHI (DEGREE)

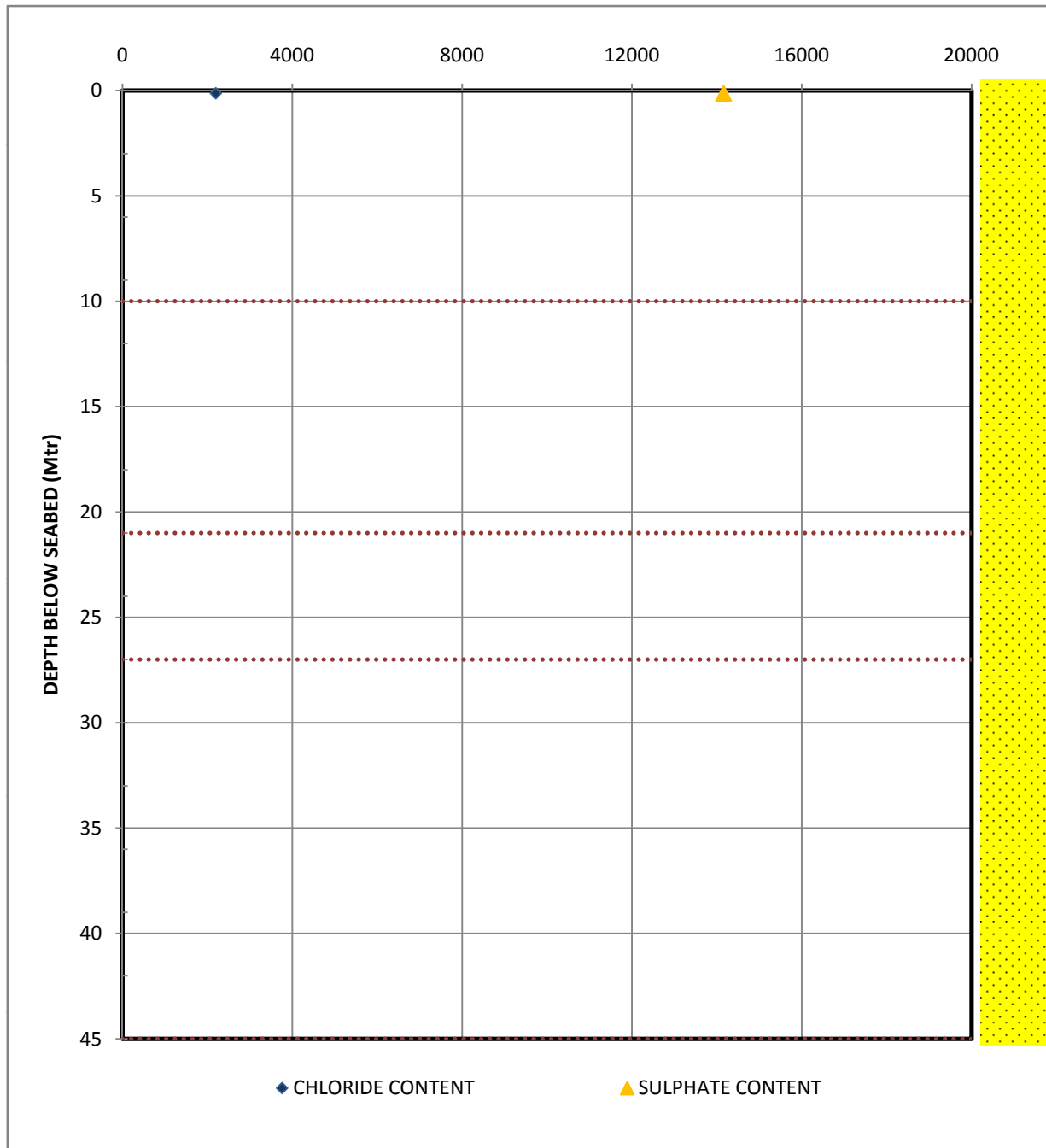


PROJECT : Geotechnical Investigation for Development of Capative Jetty(ies) at Jatadharmuhan, District Jagatsinghpur, Odisha.

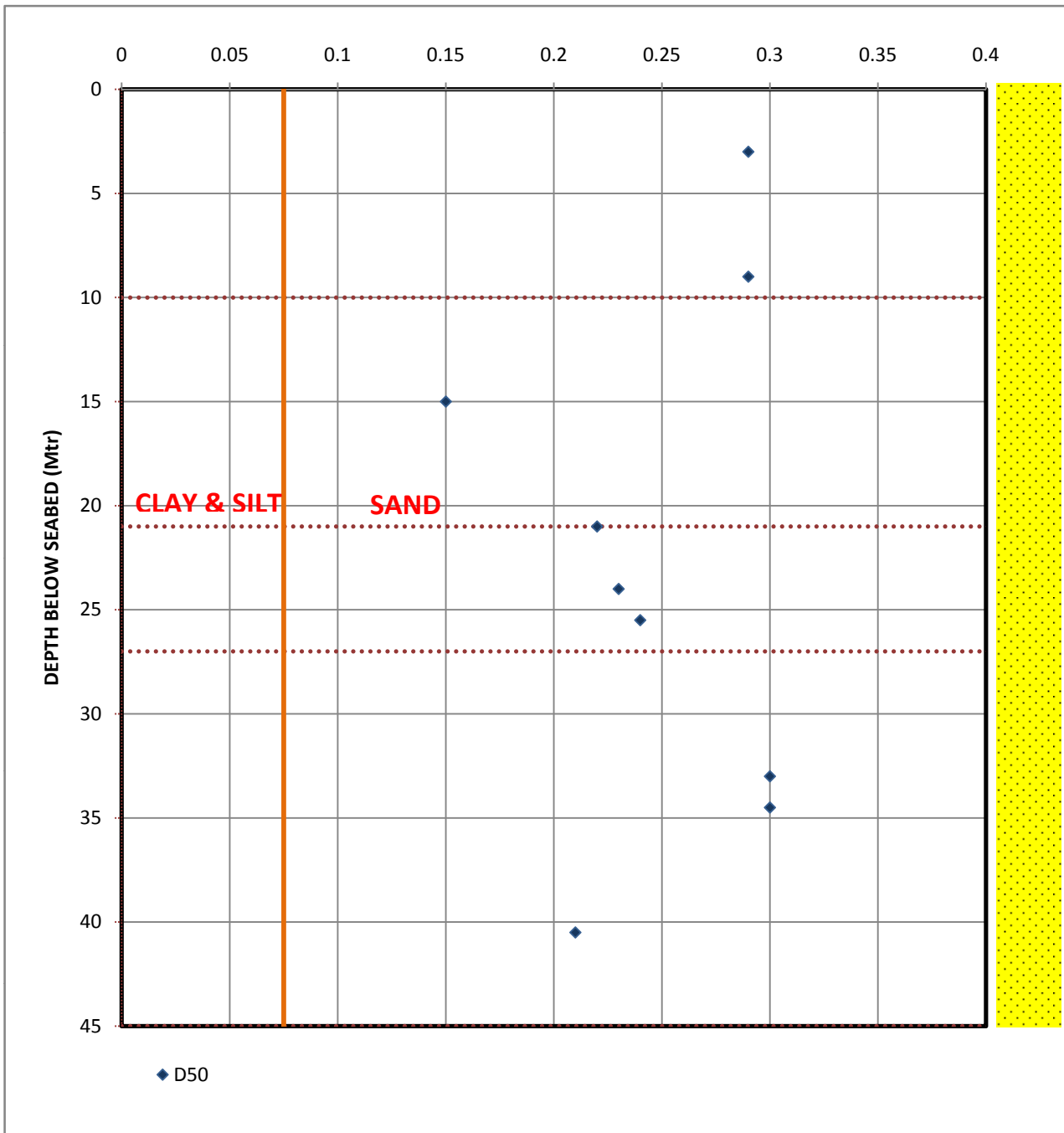


PROJECT : Geotechnical Investigation for Development of Capative Jetty(ies) at Jatadharmuhan, District Jagatsinghpur, Odisha.

CHEMICAL CONTENTS in PPM



D50



**PROJECT : Geotechnical Investigation for Development of Captive Jetty(ies) at Jatadharmuhan,Jagatsinghpur,Odisha**

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 01	1	0.00	4.50	4.50	Loose sandy soil	8.5	7	28	-
	2	4.50	13.50	9.00	Loose to medium dense sand	7.2	14	30	-
	3	13.50	16.50	3.00	Medium dense sand	8.6	15	30	-
	4	16.50	24.00	7.50	Loose to medium dense sand	8.5	10	28	-
	5	24.00	30.45	6.45	Medium dense sand	7.0	11	28	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 02	1	0.00	10.50	10.50	Loose to medium dense sand	7.2	10	29	-
	2	10.50	13.50	3.00	Medium dense sand	8.0	13	30	-
	3	13.50	19.50	6.00	Medium dense sand	5.5	13	30	-
	4	19.50	30.45	10.95	Medium dense sand	6.9	11	29	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 03	1	0.00	9.00	9.00	Loose to medium dense sand	6.0	10	28	-
	2	9.00	14.00	5.00	Medium dense sand	6.5	12	30	-
	3	14.00	18.00	4.00	Medium clayey silt	7.0	7	-	35
	4	18.00	30.45	12.45	Medium dense sand	6.6	11	28	-

**PROJECT : Geotechnical Investigation for Development of Captive Jetty(ies) at Jatadharmuhan,Jagatsinghpur,Odisha**

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 04	1	0.00	7.50	7.50	Medium dense to dense sand	7.6	35	35	-
	2	7.50	12.50	5.00	Medium dense sand	6.3	26	33	-
	3	12.50	15.00	2.50	Medium clayey silt	9.0	7	-	35
	4	15.00	30.00	15.00	Medium dense sand	6.4	18	31	-
	5	30.00	45.00	15.00	Medium dense sand	7.2	12	30	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 05	1	0.00	7.50	7.50	Loose to medium dense sand	7.3	13	29	-
	2	7.50	10.50	3.00	Medium dense sand	7.7	15	30	-
	3	10.50	27.45	16.95	Medium dense sand	7.0	13	29	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 06	1	0.00	3.00	3.00	Medium dense sand	7.8	16	30	-
	2	3.00	9.00	6.00	Medium dense sand	6.5	36	35	-
	3	9.00	11.00	2.00	Medium dense sand	6.2	22	32	-
	4	11.00	30.45	19.45	Medium dense sand	7.4	18	31	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
LBH 07	1	0.00	4.00	4.00	Loose sand	7.8	7	28	-
	2	4.00	9.00	5.00	Medium dense sand	7.4	13	30	-
	3	9.00	17.00	8.00	Medium dense sand	7.0	14	31	-
	4	17.00	22.00	5.00	Hard clay	11.0	10	-	75
	5	22.00	30.45	8.45	Medium dense sand	7.5	12	28	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 13	1	0.00	1.50	1.50	Loose to medium dense sand	9.7	10	28	-
	2	1.50	9.50	8.00	Dense sand	9.5	35	34	-
	3	9.50	14.00	4.50	Stiff to very stiff clay	10.5	27	-	135
	4	14.00	18.00	4.00	Medium dense sand	9.4	25	32	-
	5	18.00	23.00	5.00	Medium dense sand	10.5	27	32	-
	6	23.00	26.95	3.95	Stiff clay	10.7	15	-	75

Submerged Unit Weight (kN/m<sup>3</sup>)

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 25	1	0	10.00	10.00	Medium dense sand	8.4	35	35	-
	2	10	21.00	11.00	Medium dense sand	7.8	20	31	-
	3	21	27.00	6.00	Medium dense sand	8.0	18	31	-
	4	27	45.45	18.45	Medium dense sand	8.0	11	28	-

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 15	1	0.00	3.00	3.00	Medium dense to dense sand	9.2	30	33	-
	2	3.00	6.00	3.00	Medium dense to dense sand	9.0	40	35	-
	3	6.00	10.00	4.00	Medium dense to dense sand	9.0	30	33	-
	4	10.00	14.00	4.00	Stiff to very stiff clay	9.4	15	-	75
	5	14.00	22.00	8.00	Medium dense sand	9.5	25	32	-
	6	22.00	27.45	5.45	Stiff to very stiff clay	9.6	15	-	75

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 16	1	0.00	4.50	4.50	medium dense to dense sand	8.9	40	35	-
	2	4.50	10.70	6.20	Stiff clay	10.3	13	-	65
	3	10.70	14.00	3.30	Medium dense sand	9.8	22	31	-
	4	14.00	21.45	7.45	Stiff to very stiff clay	9.7	18	-	90

Submerged Unit Weight (kN/m<sup>3</sup>)

BH no	Sr. No.	Depth (m)		Thickness of strata	Description of soil Strata	Submerged Unit Weight (kN/m <sup>3</sup> )	Avg N value	Angle of Friction (Deg)	Shear Strength Su (kPa)
		From	To						
MBH 18	1	0	3	3.00	Very soft clay	7.5	-	-	25
	2	3	9	6.00	Medium dense sand	10.2	20	31	-
	3	9	14	5.00	Medium dense sand	10.4	25	33	-
	4	14	15.5	1.50	Stiff clay	9.2	15	-	75
	5	15.5	16.95	1.45	Dense sand	9.8	30	34	-