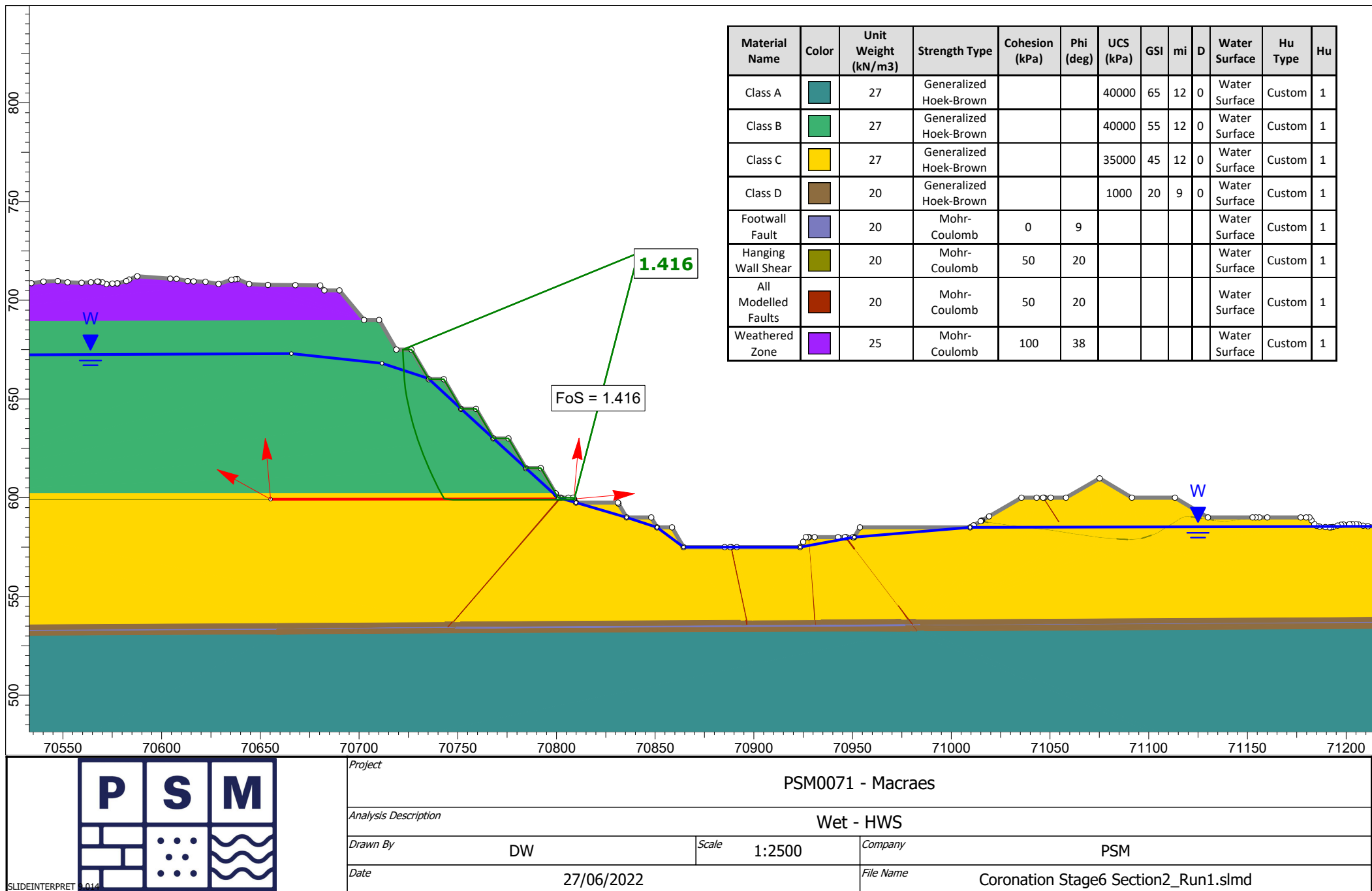
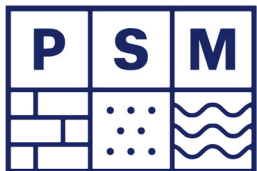
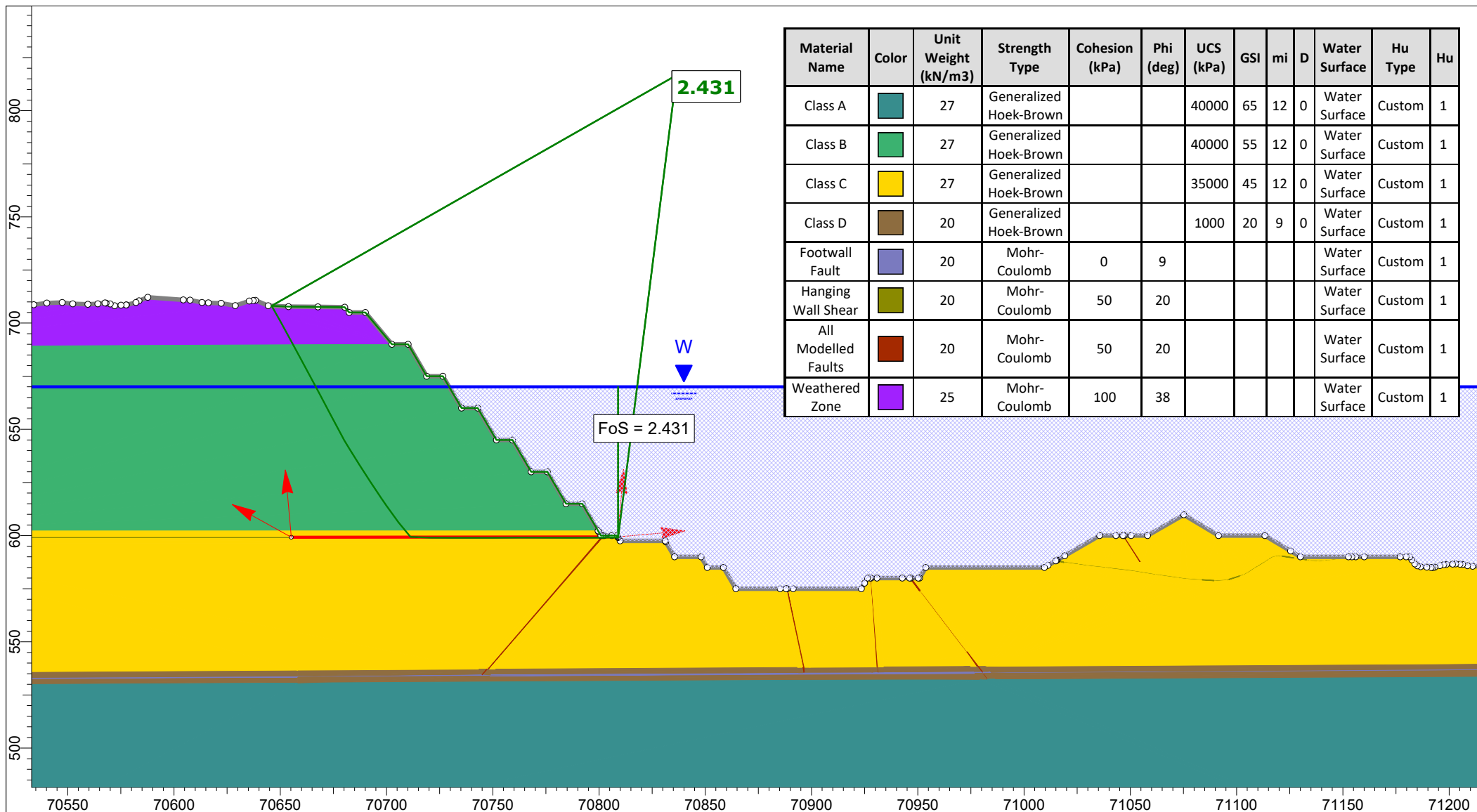






Project

PSM0071 - Macraes

Analysis Description

Pit Water HWS

Drawn By

HG

Scale

1:2500

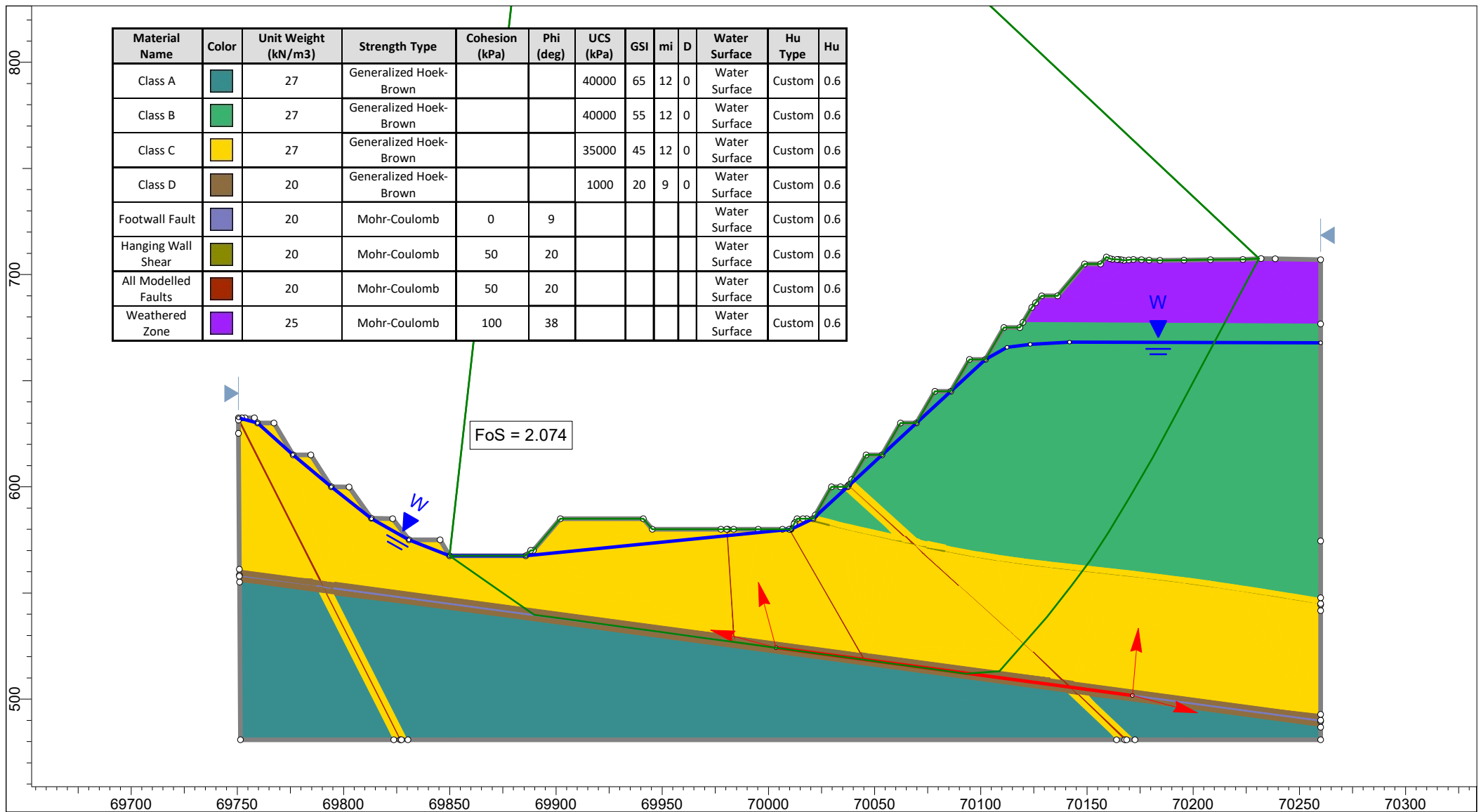
Company

PSM

Date

File Name

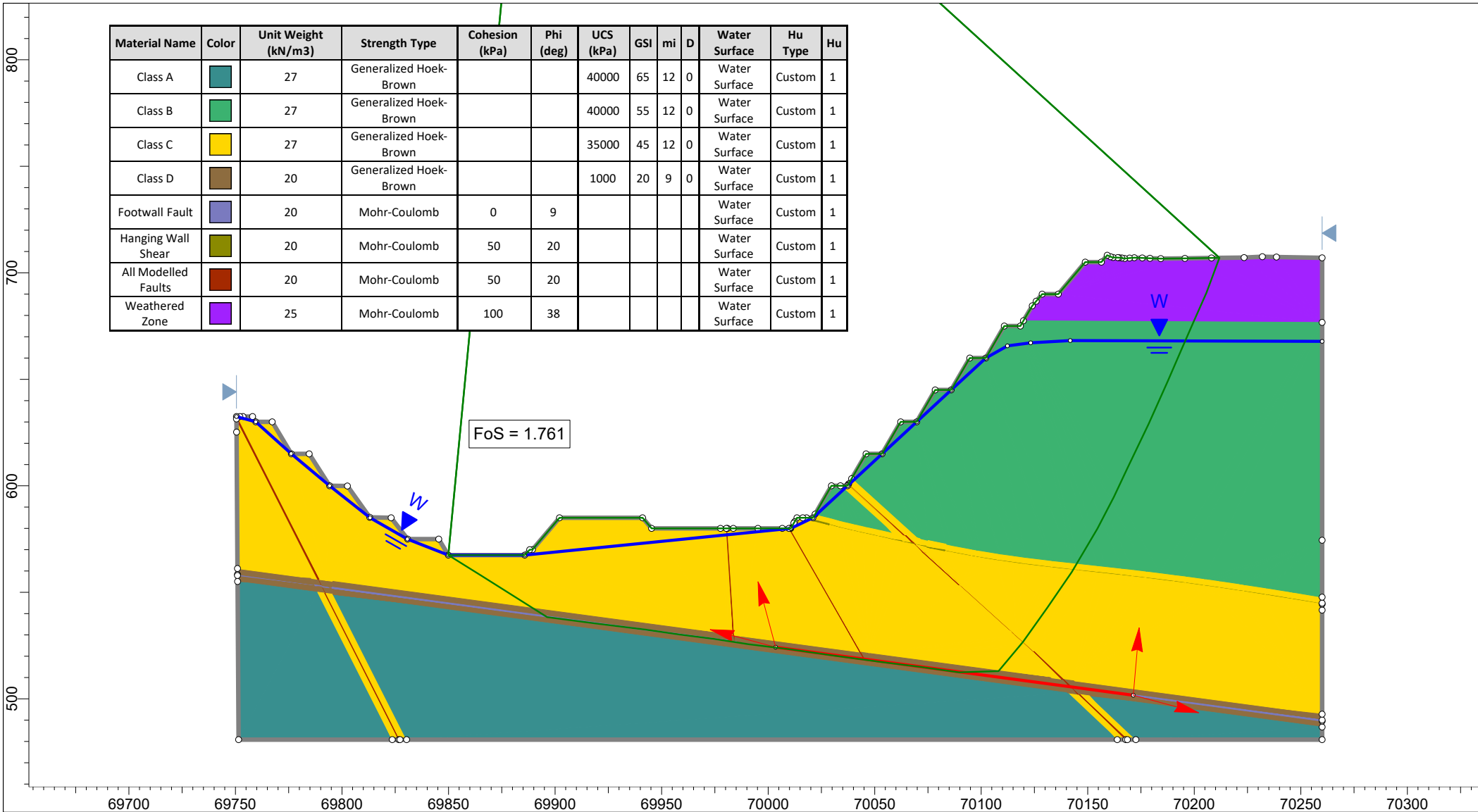
Coronation Stage6 Section2_Run1_HG.slmd



SLIDEINTERPRET 0.019 P S M	Project						
	PSM0071 - Macraes						
	Analysis Description						
	Hu=0.6 FWF						
	Drawn By		DW		Scale	1:2500	Company
Date				1/07/2022		File Name	Coronation Stage6 Section3_Run1.slmd

Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	1
Class D		20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	0	9					Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Weathered Zone		25	Mohr-Coulomb	100	38					Water Surface	Custom	1

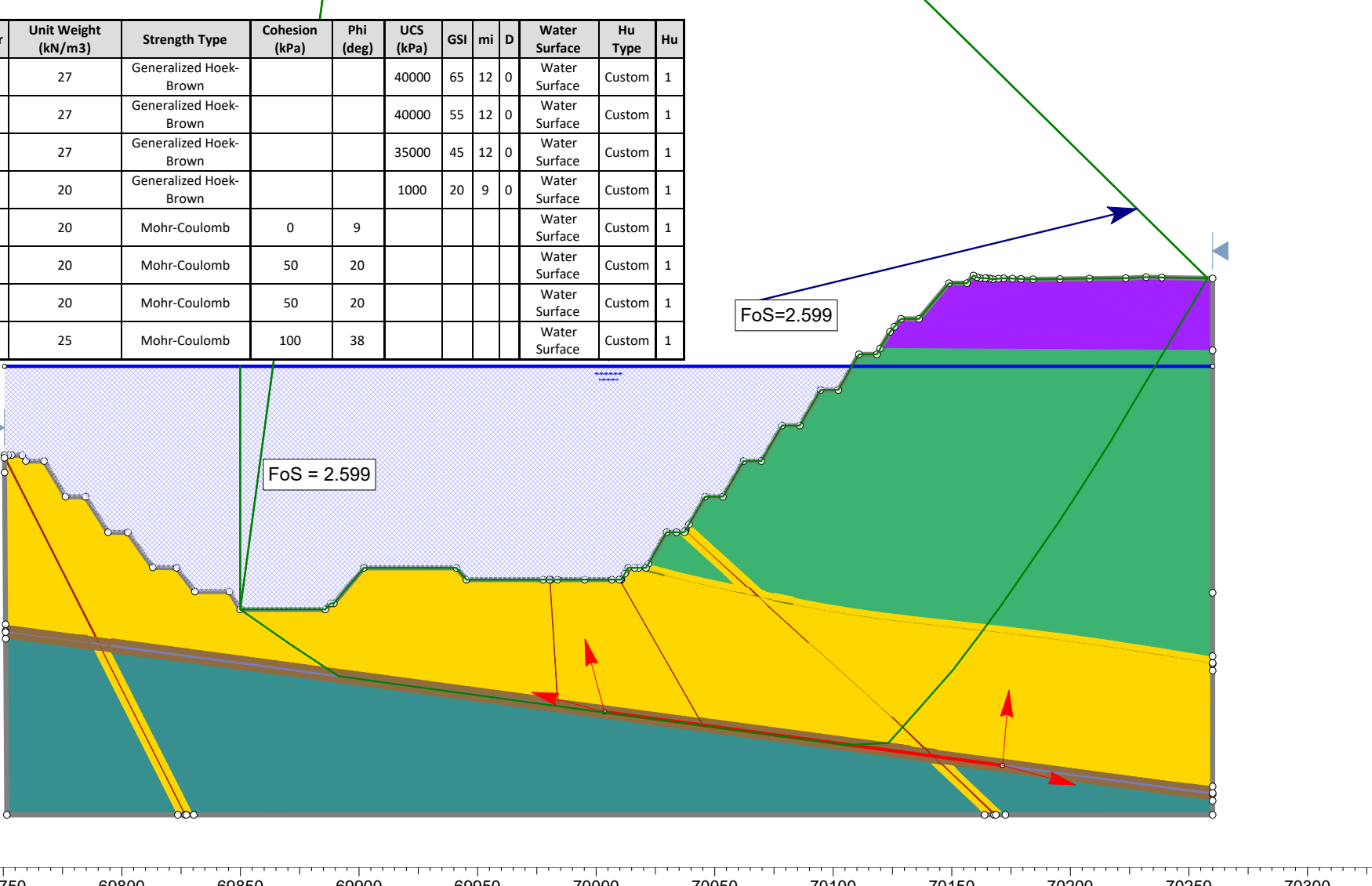
The geological cross-section shows various rock units and structural features. At the top left, a table defines the material properties for each unit. The cross-section itself displays Class A (teal), Class B (green), Class C (yellow), and Class D (brown) rock units. It also shows several fault zones: Footwall Fault (blue-grey), Hanging Wall Shear (olive green), All Modelled Faults (dark red), and Weathered Zone (purple). A blue line represents the failure surface, which passes through the rock units and along some of the faults. Red arrows indicate potential movement directions along the faults. A box labeled "FoS = 1.761" points to the failure surface. The x-axis represents horizontal distance from 69700 to 70300, and the y-axis represents elevation from 500 to 800.



Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A	[Dark Teal]	27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B	[Green]	27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C	[Yellow]	27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	1
Class D	[Brown]	20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	1
Footwall Fault	[Blue-Gray]	20	Mohr-Coulomb	0	9					Water Surface	Custom	1
Hanging Wall Shear	[Olive Green]	20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults	[Red]	20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Weathered Zone	[Purple]	25	Mohr-Coulomb	100	38					Water Surface	Custom	1

The geological cross-section shows a slope profile from station 69700 to 70300. Elevation ranges from approximately 480m to 800m. The profile includes several distinct geological units: Class A (dark teal), Class B (green), Class C (yellow), Class D (brown), Footwall Fault (blue-gray), Hanging Wall Shear (olive green), All Modelled Faults (red), and Weathered Zone (purple). A blue line represents the failure surface, which is concave upwards. A box labeled "FoS = 1.761" is positioned near the failure surface. Red arrows indicate the direction of potential movement along the failure surface. Blue triangles at the top corners represent boundary conditions.

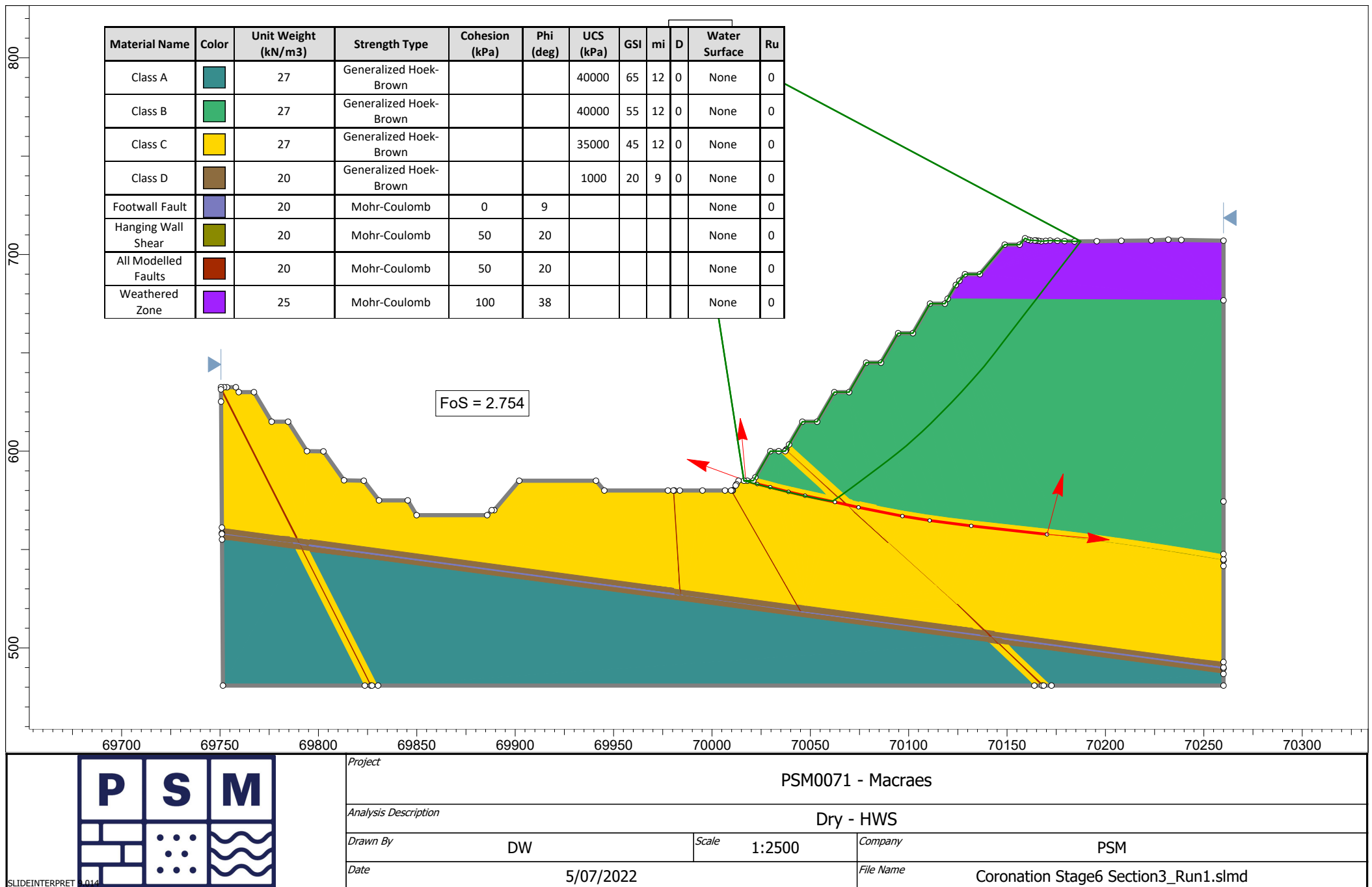
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	1
Class D		20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	0	9					Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Weathered Zone		25	Mohr-Coulomb	100	38					Water Surface	Custom	1



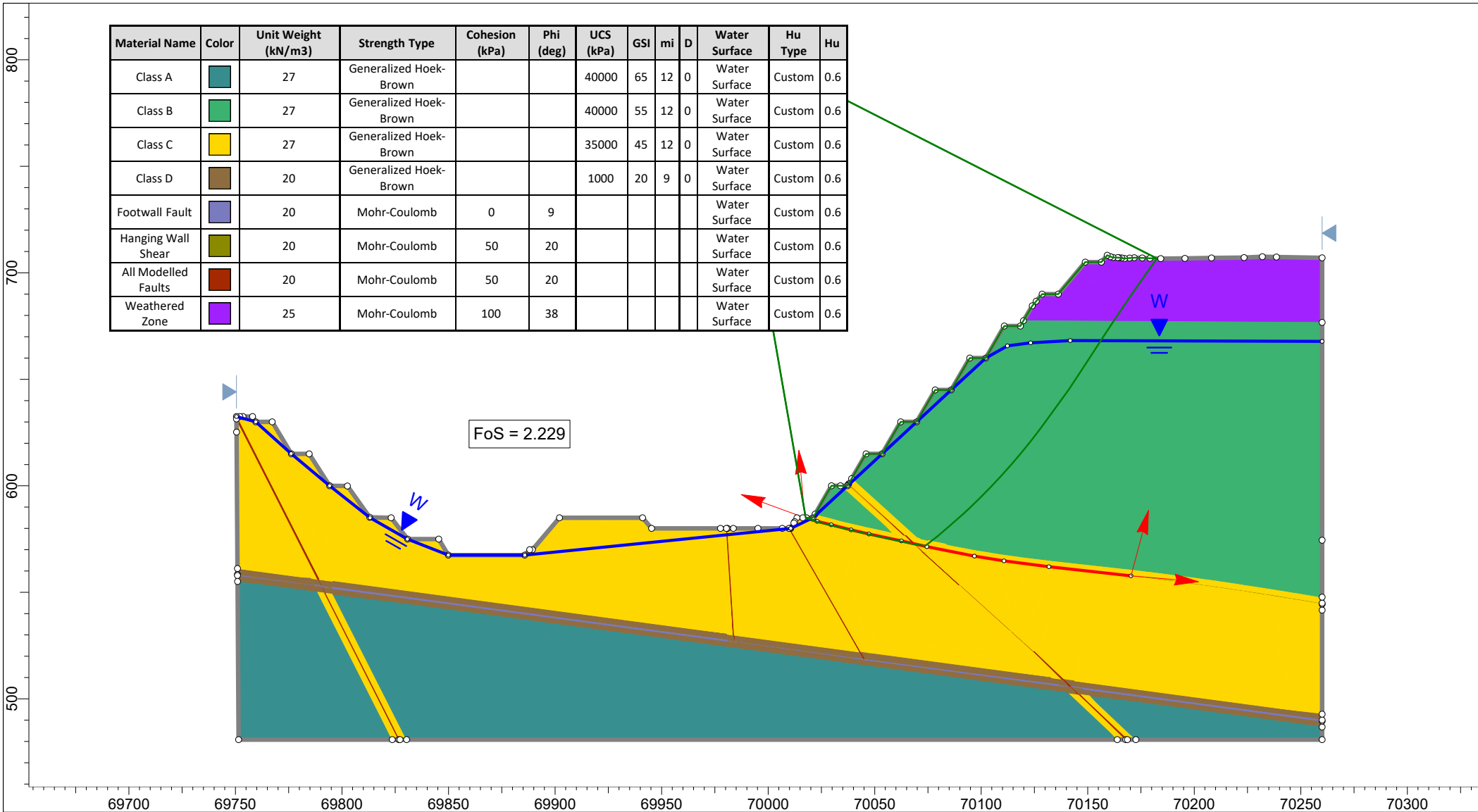
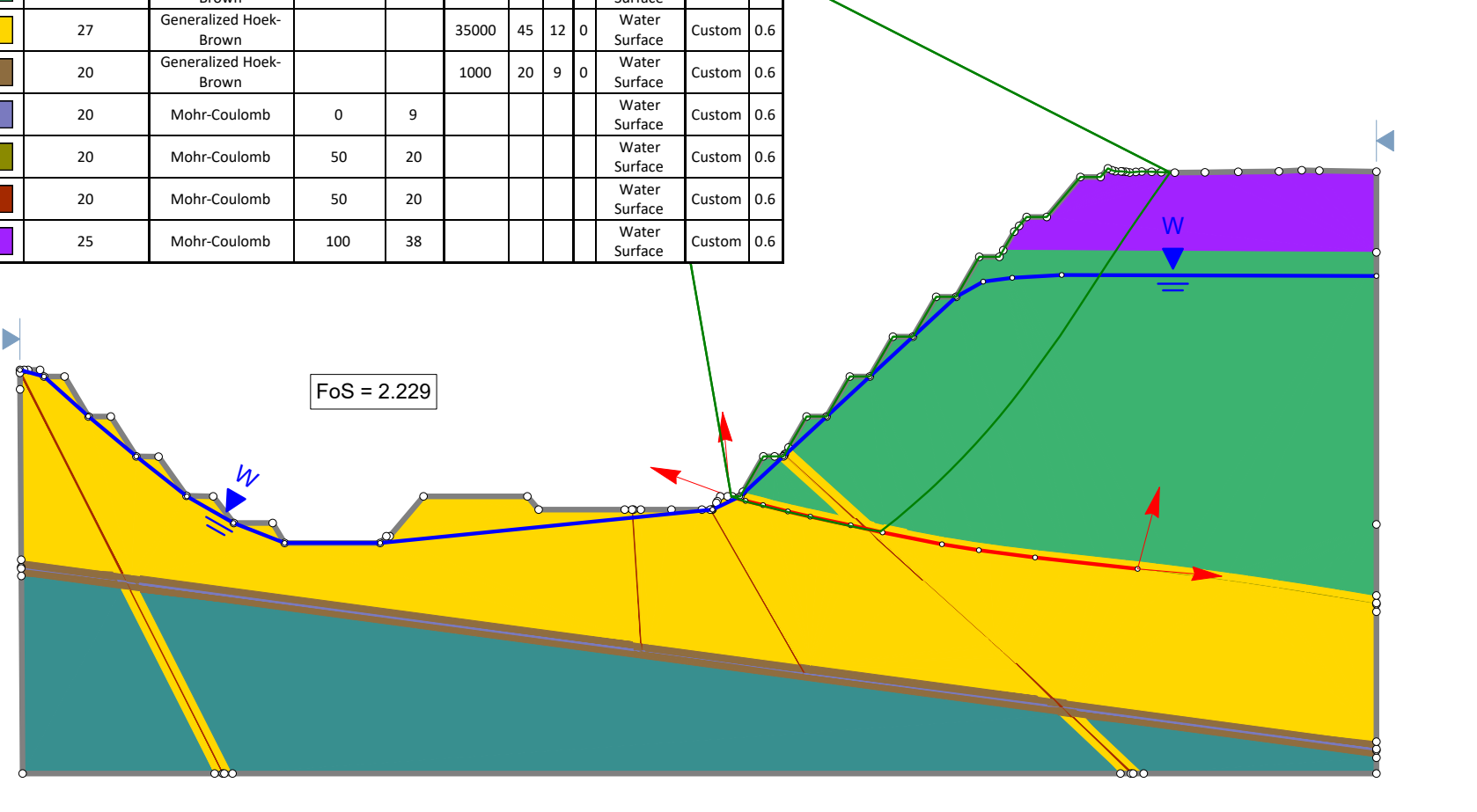
The geological cross-section plot displays a slope profile with various material zones and failure surfaces. The x-axis represents horizontal distance from 69700 to 70300, and the y-axis represents elevation from 500 to 800. The material zones are color-coded according to the table: Class A (teal), Class B (green), Class C (yellow), Class D (brown), Footwall Fault (blue), Hanging Wall Shear (olive), All Modelled Faults (red), and Weathered Zone (purple). The failure surface is indicated by a green line with arrows, and the Factor of Safety (FoS) is 2.599. The plot also shows a blue dashed line representing the water surface and a red dashed line representing the hanging wall shear.



Coronation Stage6 Section3_Run1_HG.slmd



Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	0.6
Class C		27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	0.6
Class D		20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	0.6
Footwall Fault		20	Mohr-Coulomb	0	9					Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
Weathered Zone		25	Mohr-Coulomb	100	38					Water Surface	Custom	0.6



P

S

M

Project

PSM0071 - Macraes

Analysis Description

Hu=0.6 HWS

Drawn By

DW

Scale

1:2500

Company

PSM

Date

5/07/2022

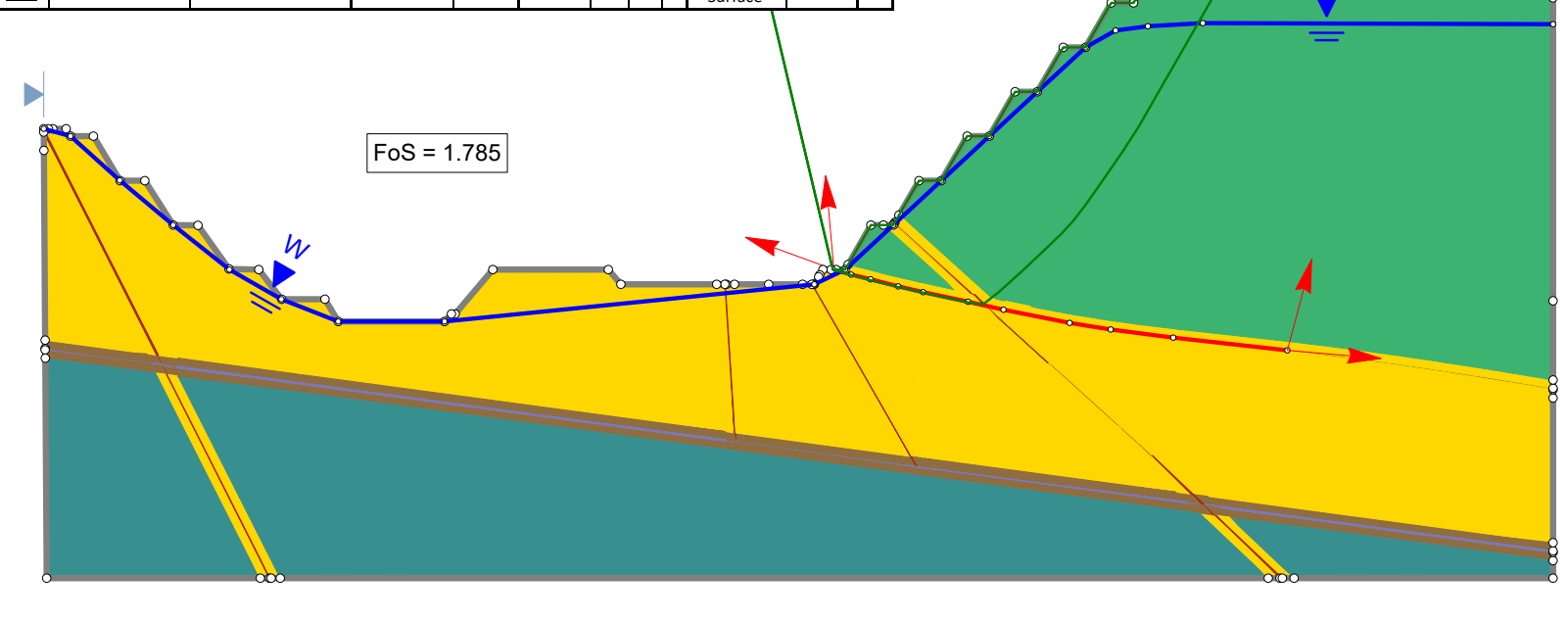
File Name

Coronation Stage6 Section3_Run1.slmd

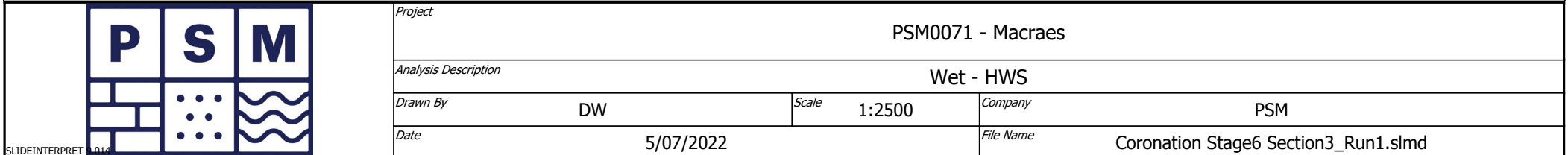
SLIDEINTERPRET 1.014

Coronation Stage6 Section3_Run1.slmd

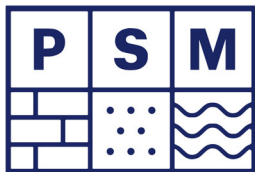
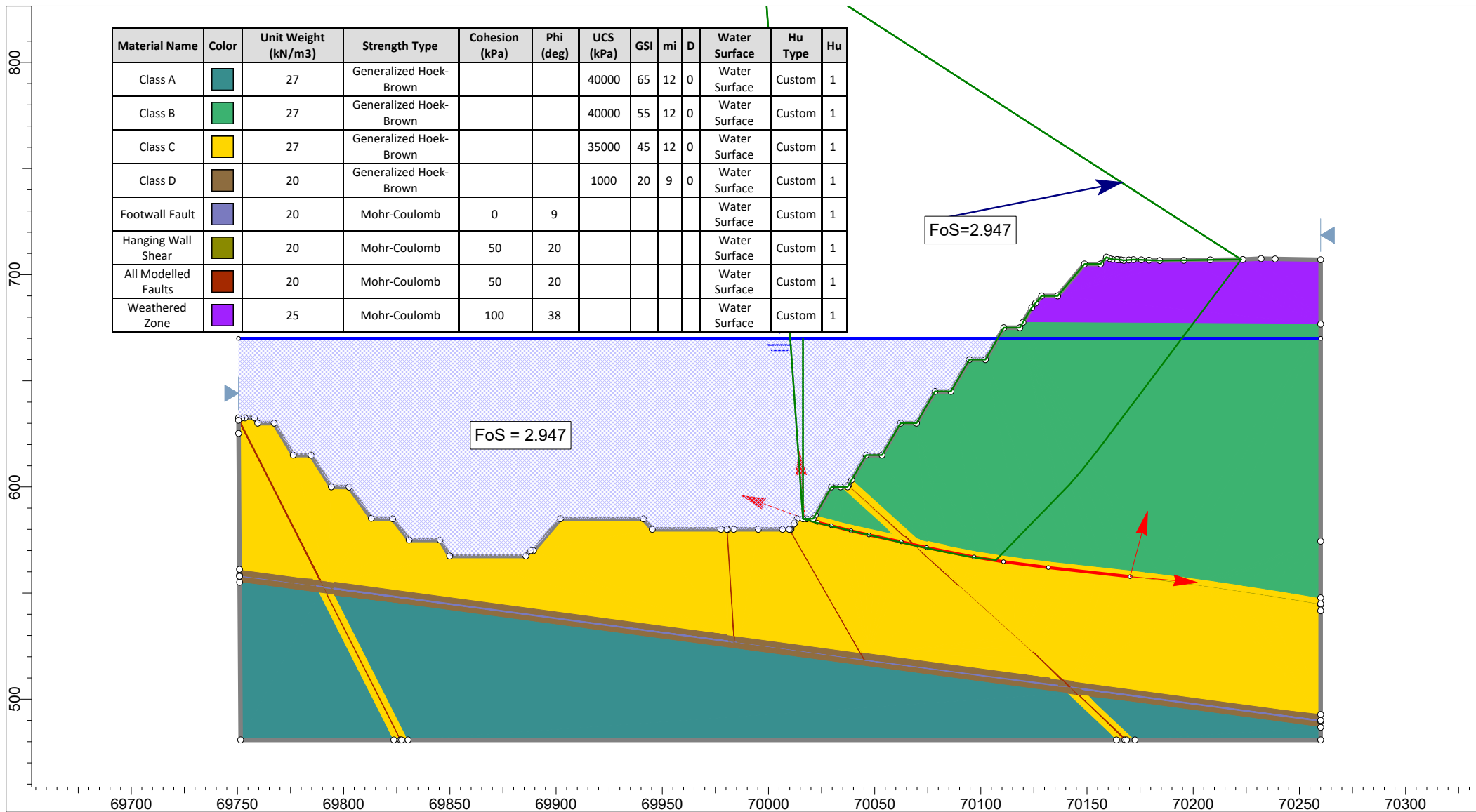
Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	1
Class D		20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	0	9					Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Weathered Zone		25	Mohr-Coulomb	100	38					Water Surface	Custom	1



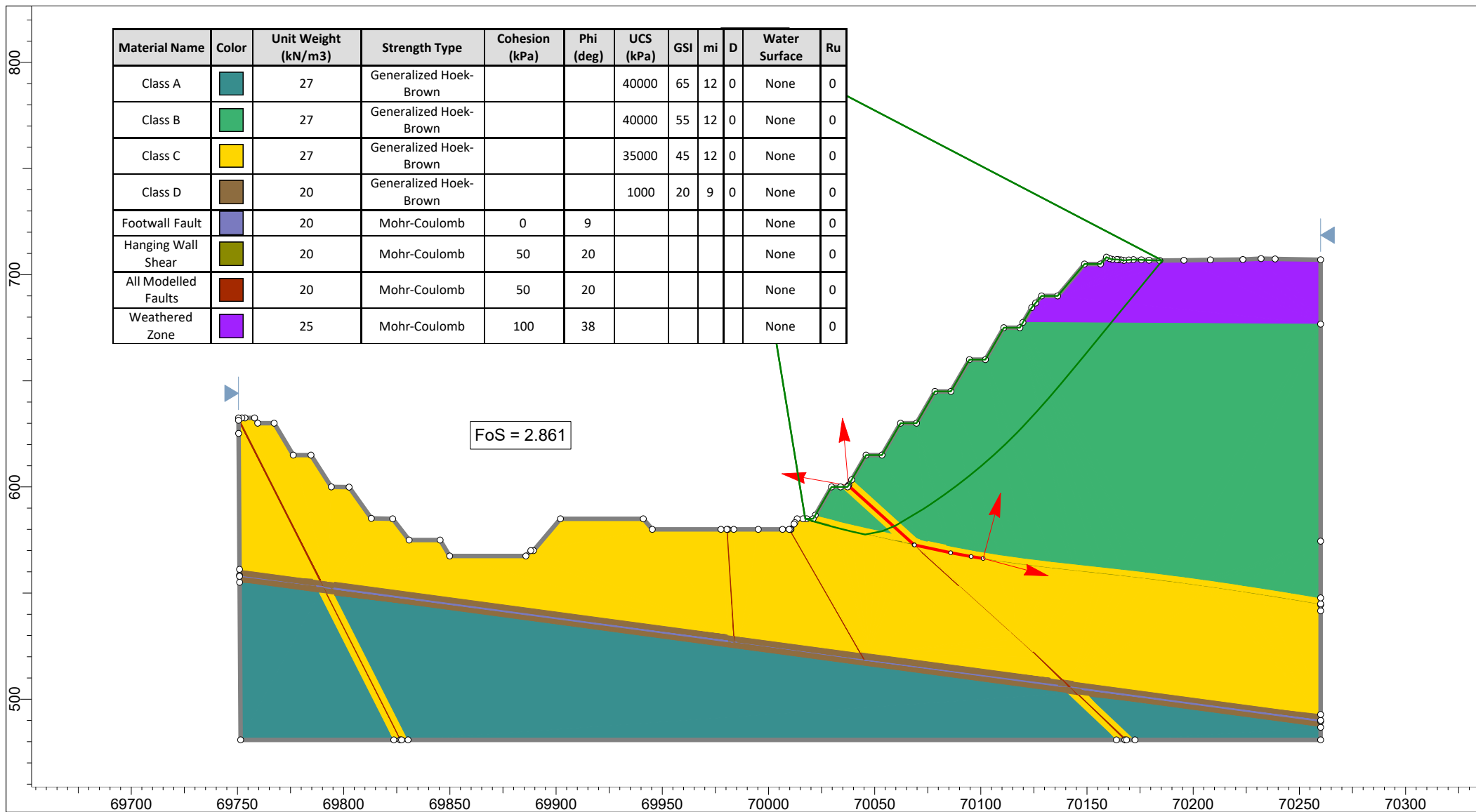
The geological cross-section plot displays a slope profile with various material zones and failure surfaces. The x-axis represents horizontal distance from 69700 to 70300, and the y-axis represents elevation from 500 to 800. The material zones are color-coded according to the table: Class A (teal), Class B (green), Class C (yellow), Class D (brown), Footwall Fault (purple), Hanging Wall Shear (olive), All Modelled Faults (dark red), and Weathered Zone (light purple). The failure surfaces are indicated by blue and red lines with arrows. The Factor of Safety (FoS) is 1.785.



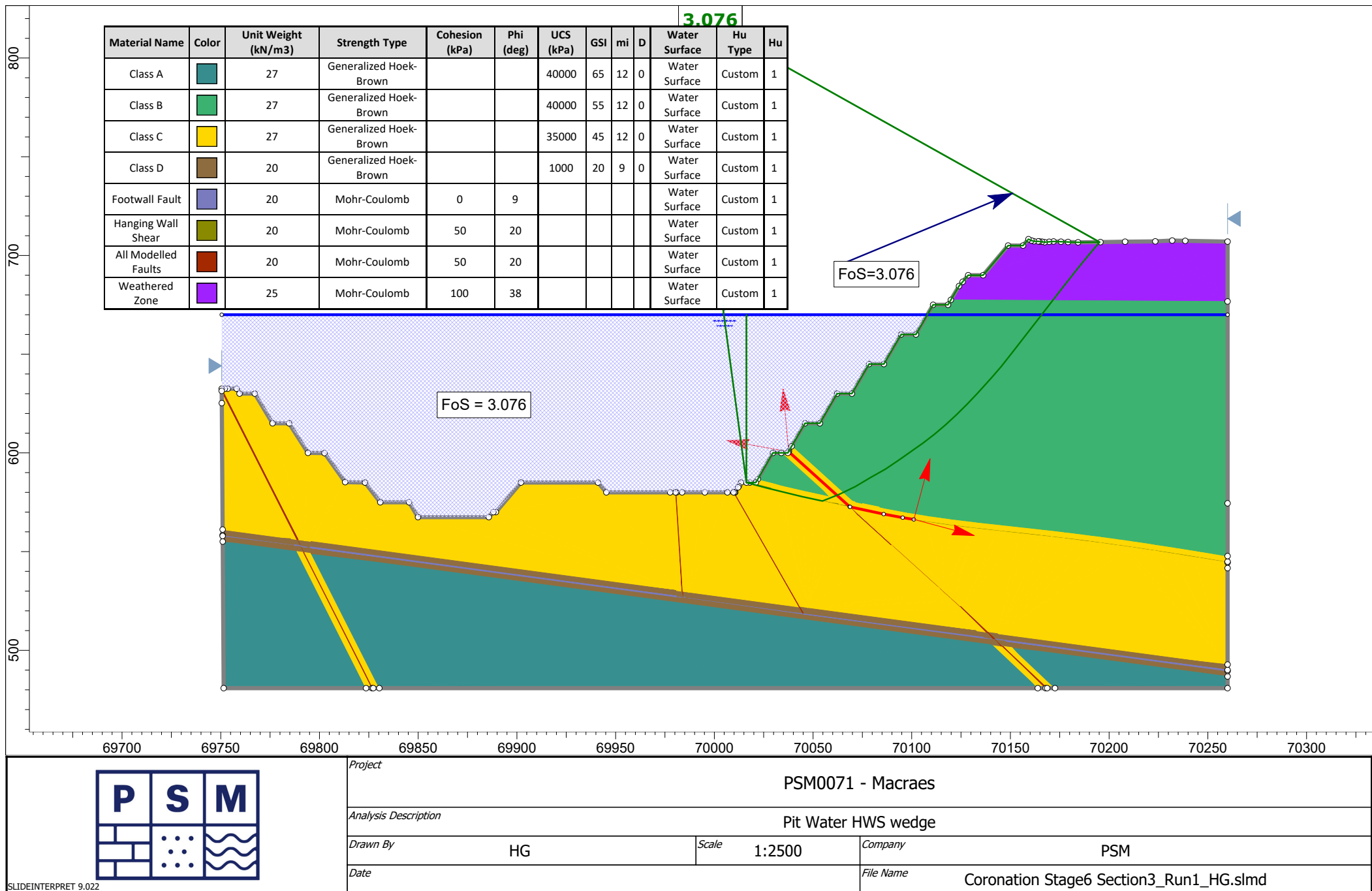
Project			PSM0071 - Macraes		
Analysis Description			Wet - HWS		
Drawn By		DW	Scale		1:2500
			Company		PSM
Date			5/07/2022		
			File Name		
			Coronation Stage6 Section3_Run1.slmd		

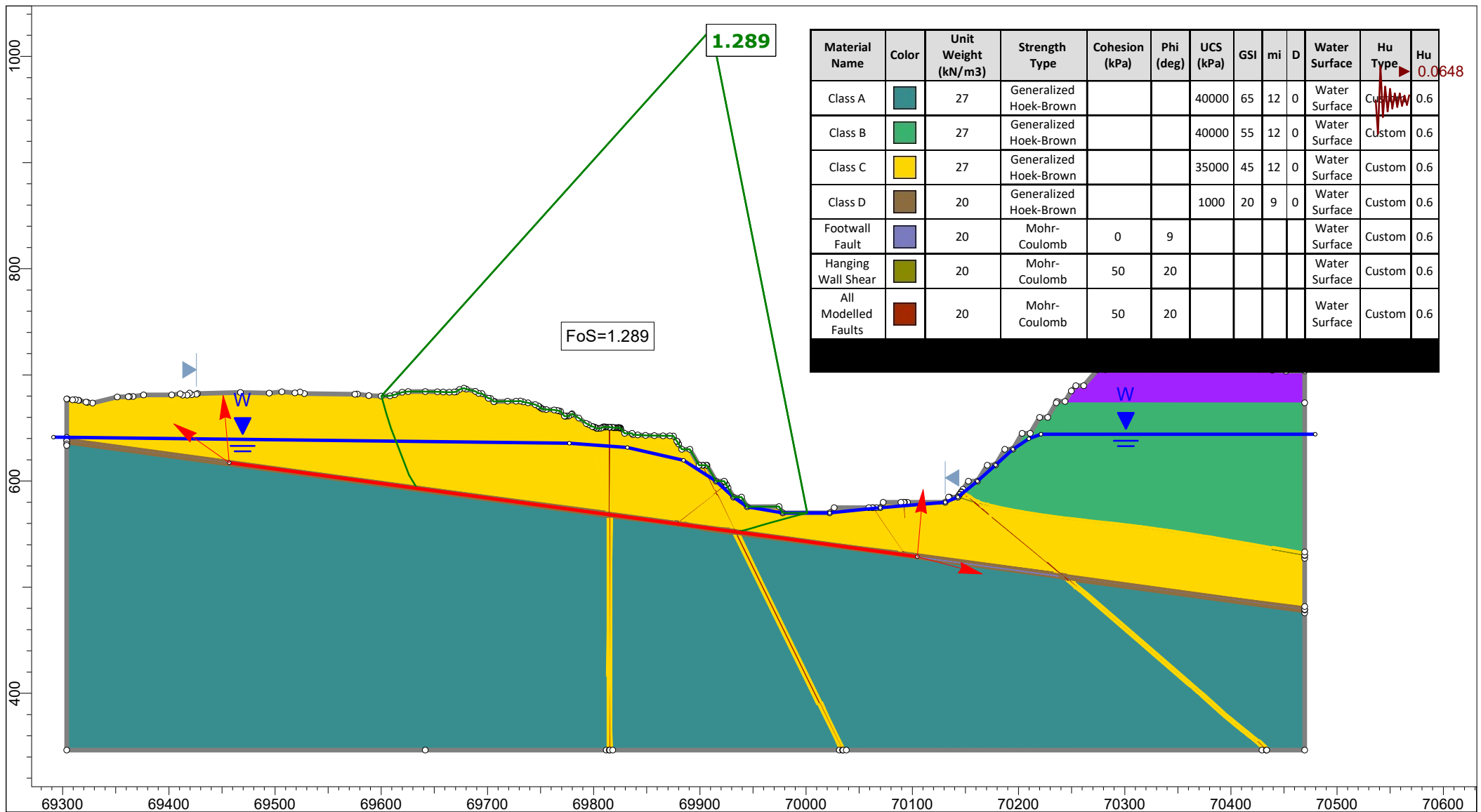


Project			PSM0071 - Macraes		
Analysis Description			Pit Water HWS		
Drawn By		HG	Scale		1:2500
Date			Company		PSM
			File Name		Coronation Stage6 Section3_Run1_HG.slmd

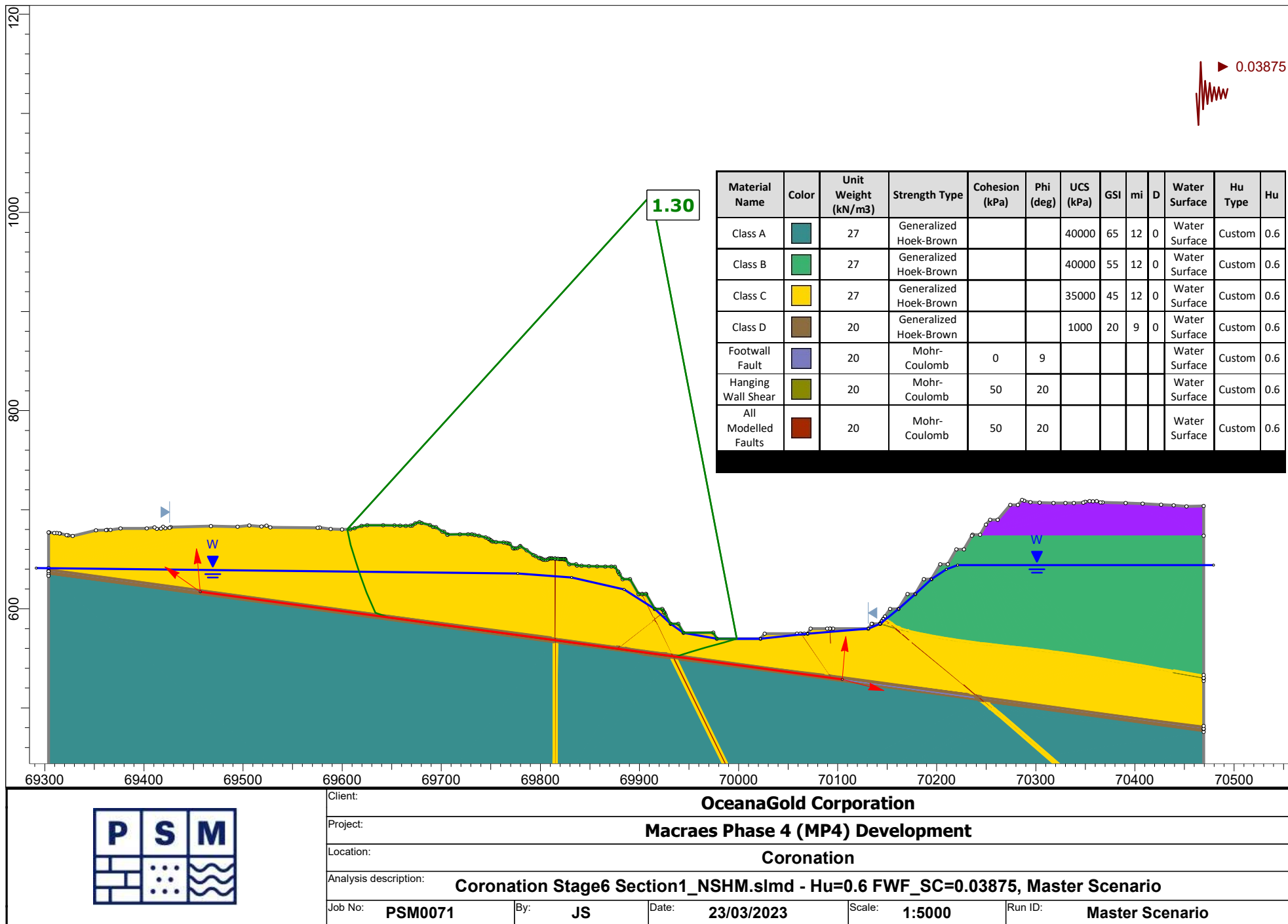


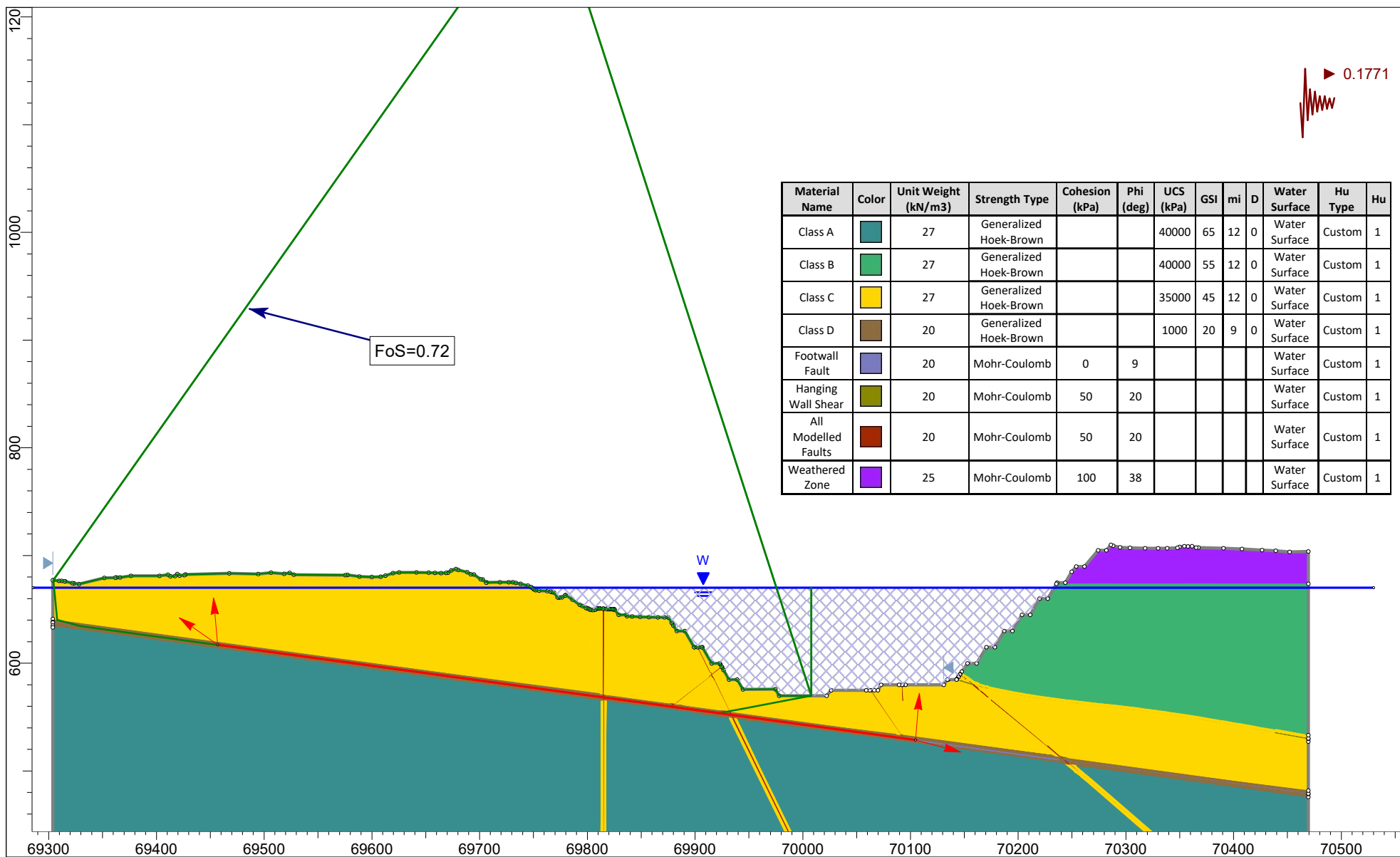
P S M	Project		PSM0071 - Macraes	
	Analysis Description		Dry - HWS wedge	
	Drawn By	DW	Scale	1:2500
	Date	5/07/2022	Company	PSM
SLIDEINTERPRET 0.014			File Name	Coronation Stage6 Section3_Run1.slmd





SLIDEINTERPRET 0.019 P S M	Project						PSM0071 - Macraes																
	Analysis Description						Hu=0.6 FWF_0.0648																
	Drawn By			DW			Scale			1:5000			Company			PSM							
	Date			6/07/2022			File Name			Coronation Stage6 Section1_Run1.slm													

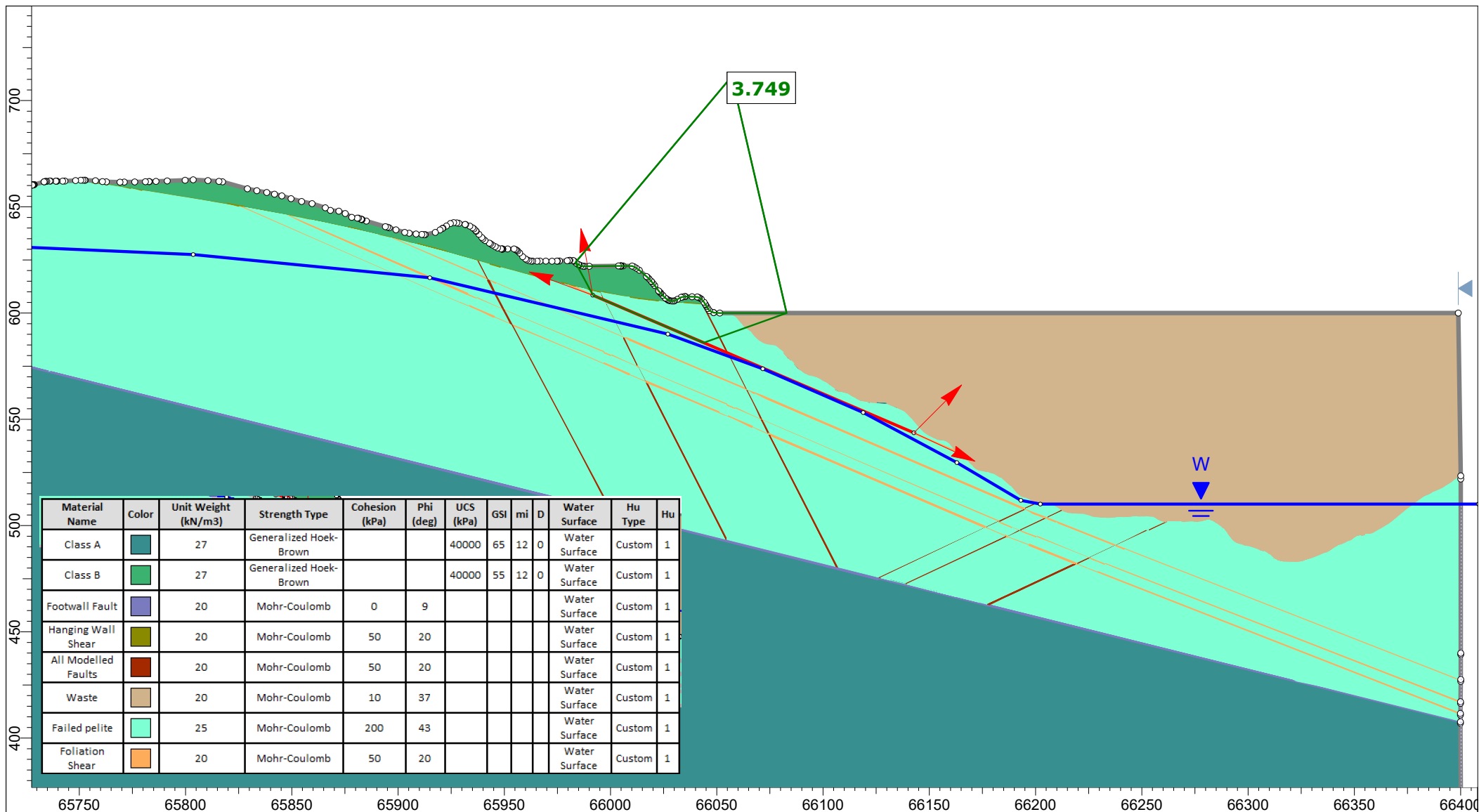




Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			35000	45	12	0	Water Surface	Custom	1
Class D		20	Generalized Hoek-Brown			1000	20	9	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	0	9					Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Weathered Zone		25	Mohr-Coulomb	100	38					Water Surface	Custom	1

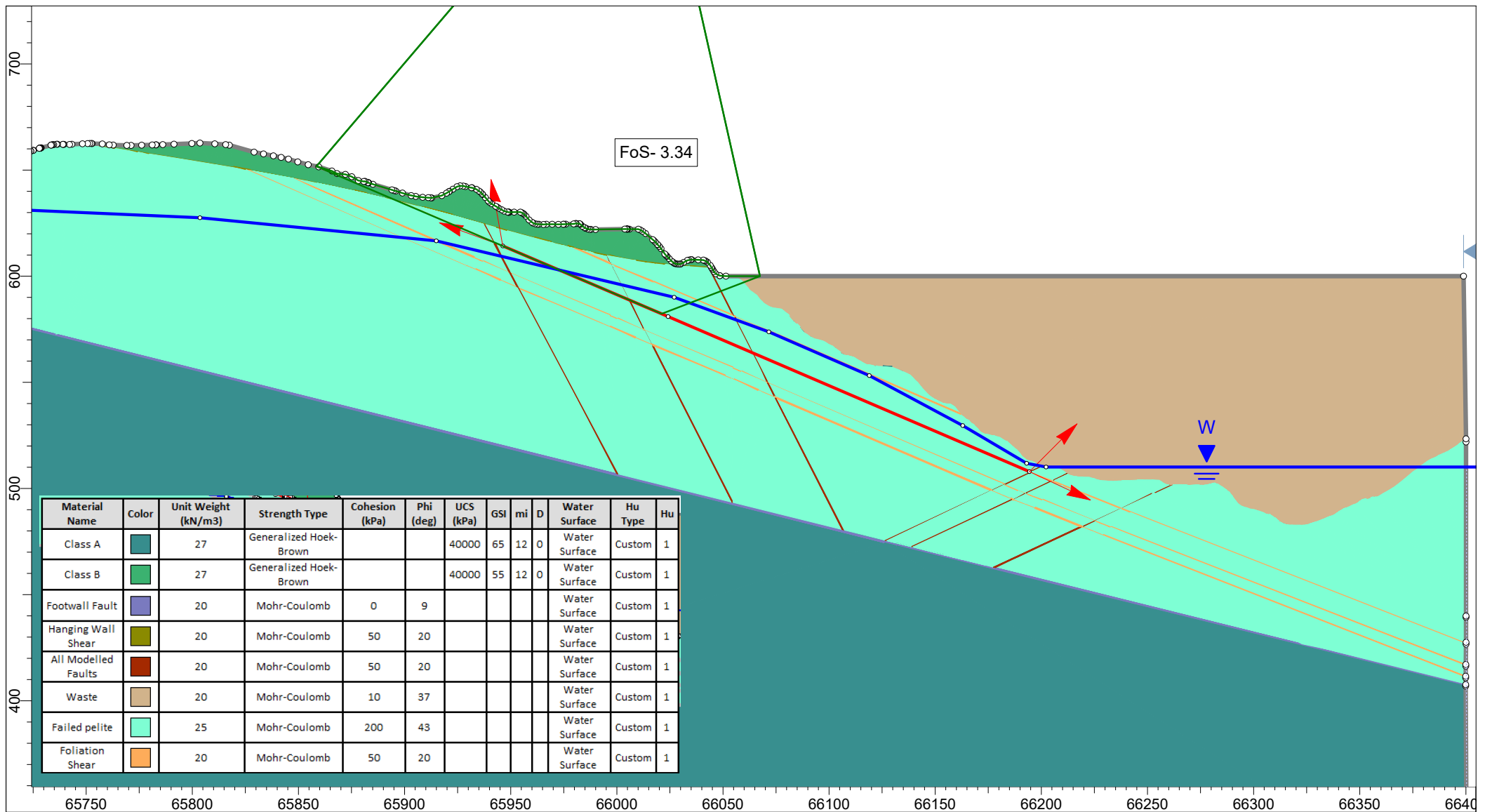


Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Coronation					
Analysis description:	Coronation Stage6 Section1_NSHM.slmd - Hu=1.0 Pit Lake - FWF_SC=0.1771, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



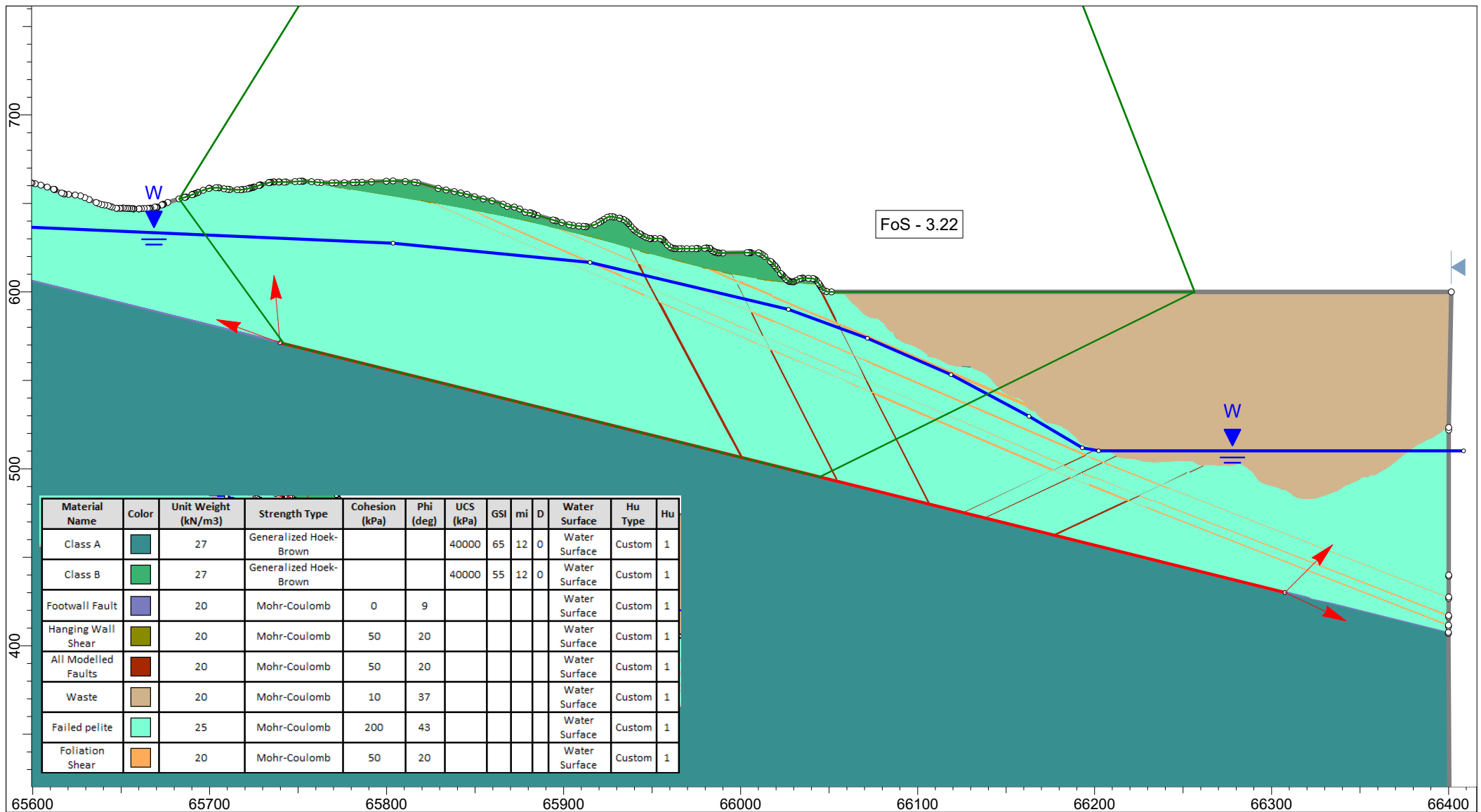
SLIDEINTERPRET 9.027

Client:				OceanaGold			
Project:				Macraes Phase 4 Consenting			
Location:				Coronation North Backfill - Southwest slope			
Analysis description:				Backfill - 600 mRL Static			
Job No:	PSM71	By:	KH	Date:	12/08/2024	Scale:	1:2500
Run ID:				AWT Foliation Shear			

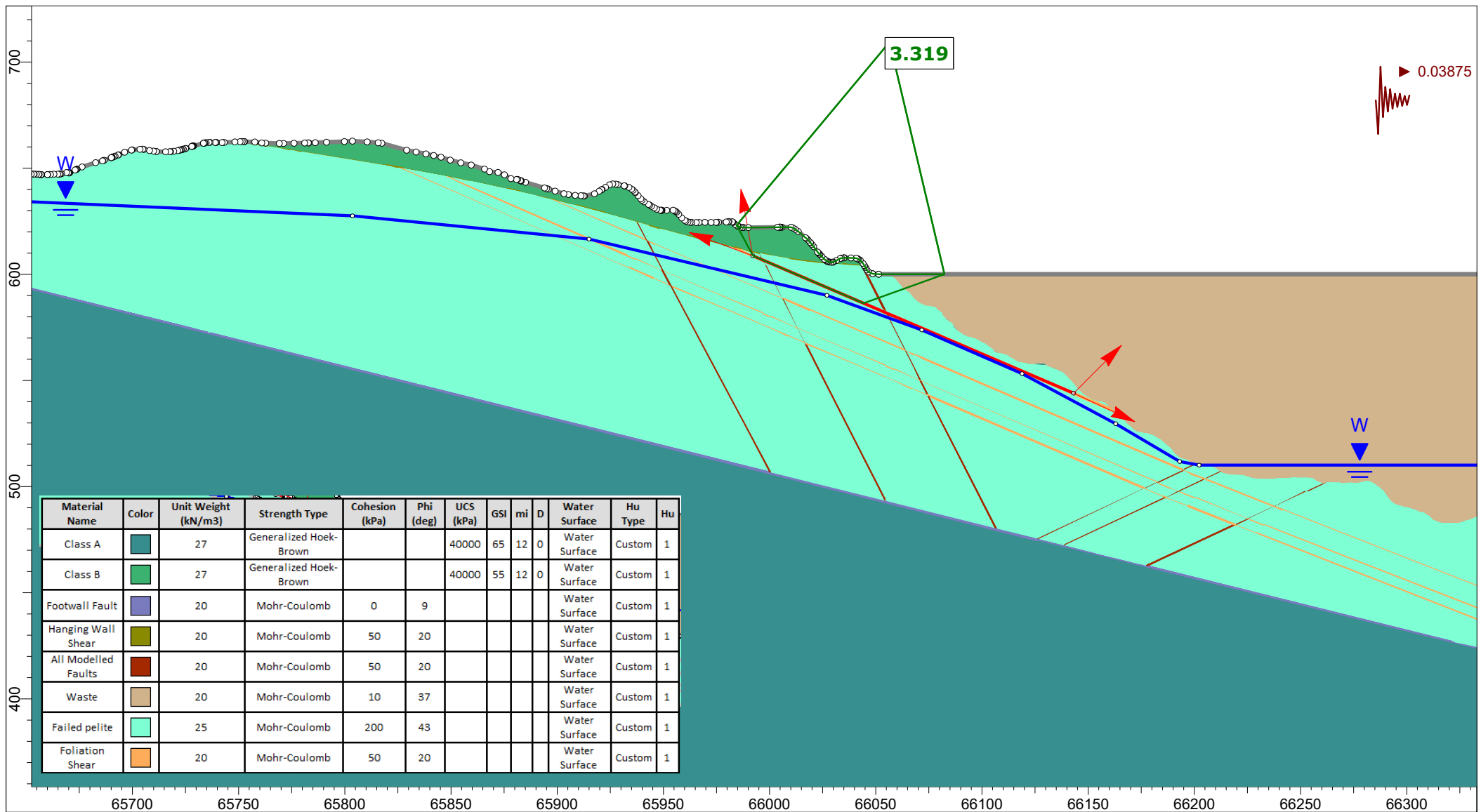


SLIDEINTERPRET 9.027

Client:		OceanaGold		
Project:		Macraes Phase 4 Consenting		
Location:		Coronation North Backfill - Southwest slope		
Analysis description:		Backfill - 600 mRL Static		
Job No:	PSM71	By:	KH	Date: 12/08/2024
Scale:		1:2500		Run ID: BWT Foliation Shear

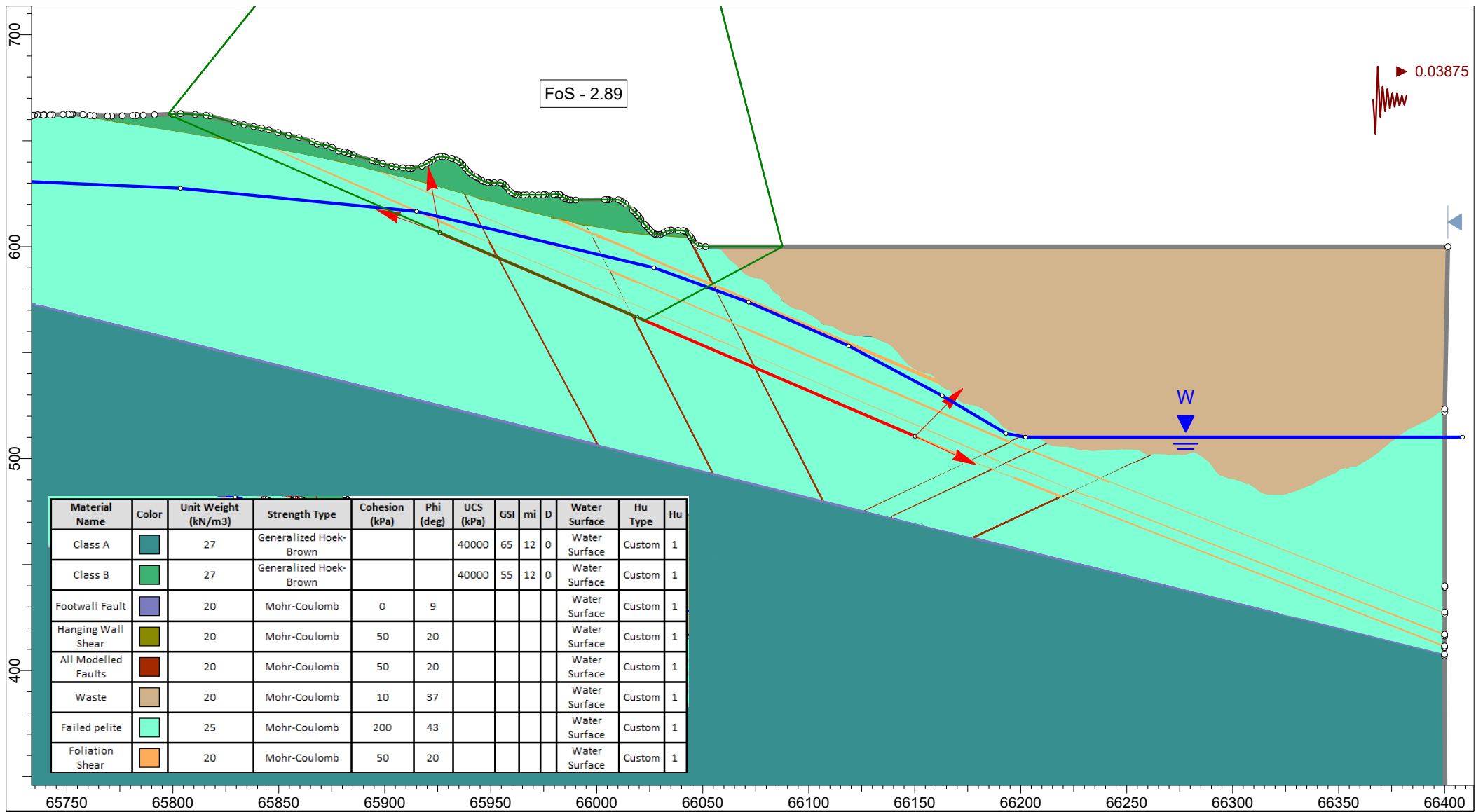


	Client: OceanaGold					
	Project: Macraes Phase 4 Consenting					
	Location: Coronation North Backfill - Southwest slope					
	Analysis description: Backfill - 600 mRL Static					
	Job No: PSM71	By: KH	Date: 13/08/2024	Scale: 1:3000	Run ID: Planar Sliding FF	



SLIDEINTERPRET 9.027

Client:		OceanaGold				
Project:		Macraes Phase 4 Consenting				
Location:		Coronation North Backfill - Southwest slope				
Analysis description:		Backfill - 600 mRL OBE				
Job No:	PSM71	By:	KH	Date:	12/08/2024	Scale: 1:2500
				Run ID:	AWT Foliation Shear	



SLIDEINTERPRET 9.027

Client:

OceanaGold

Project:

Macraes Phase 4 Consenting

Location:

Coronation North Backfill - Southwest slope

Analysis description:

Backfill - 600 mRL OBE

Job No:

PSM71

By:

KH

Date:

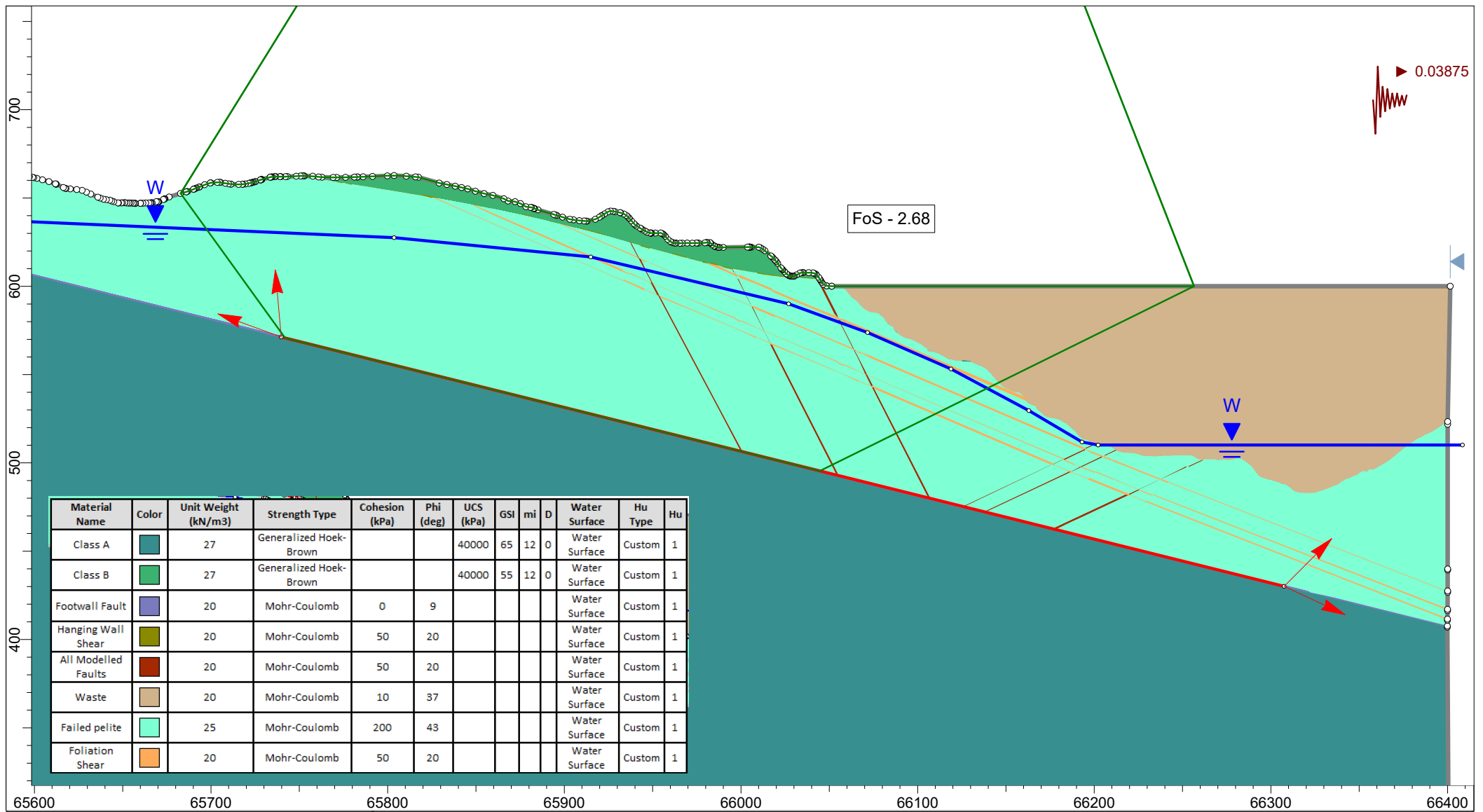
12/08/2024

Scale:

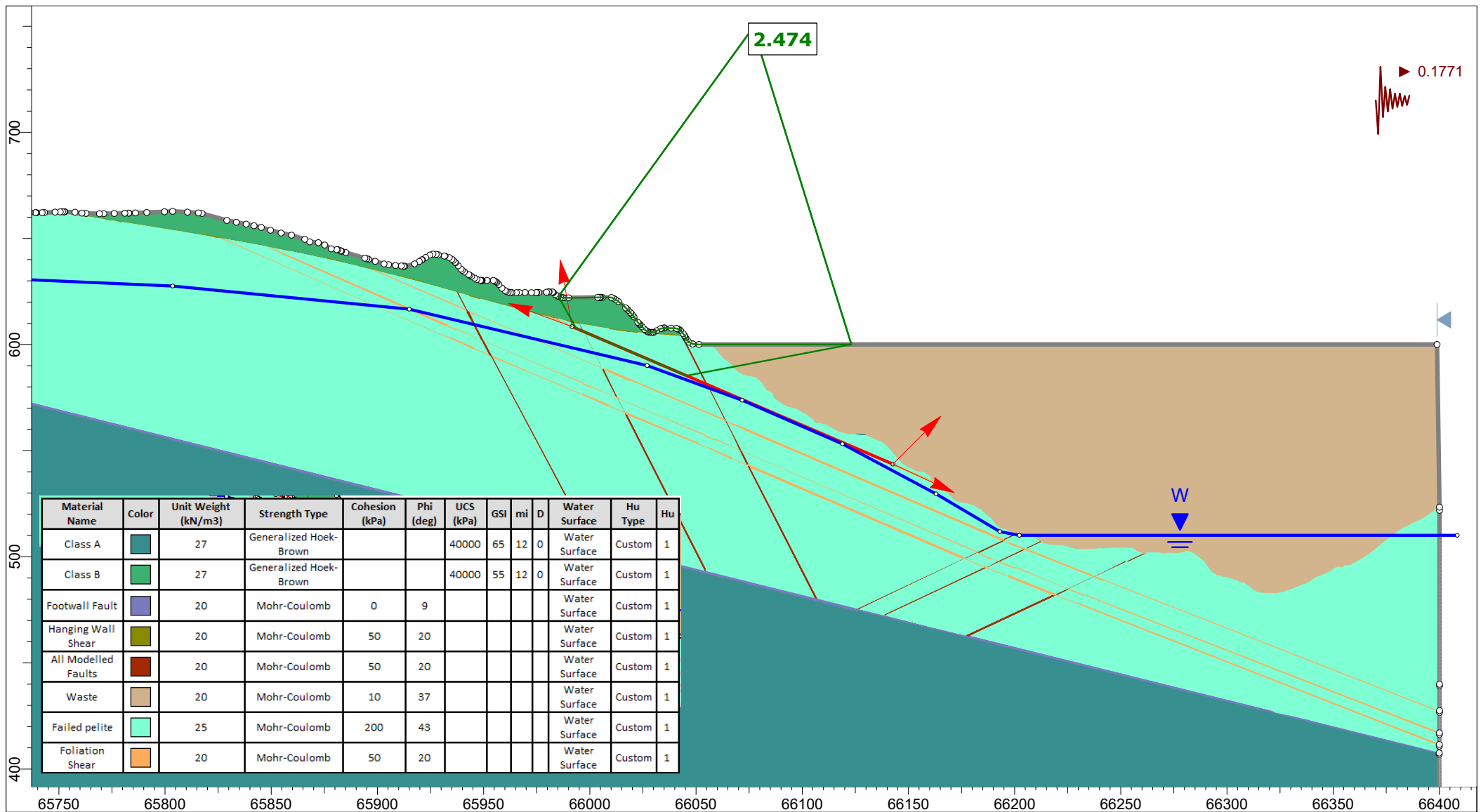
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Run ID:

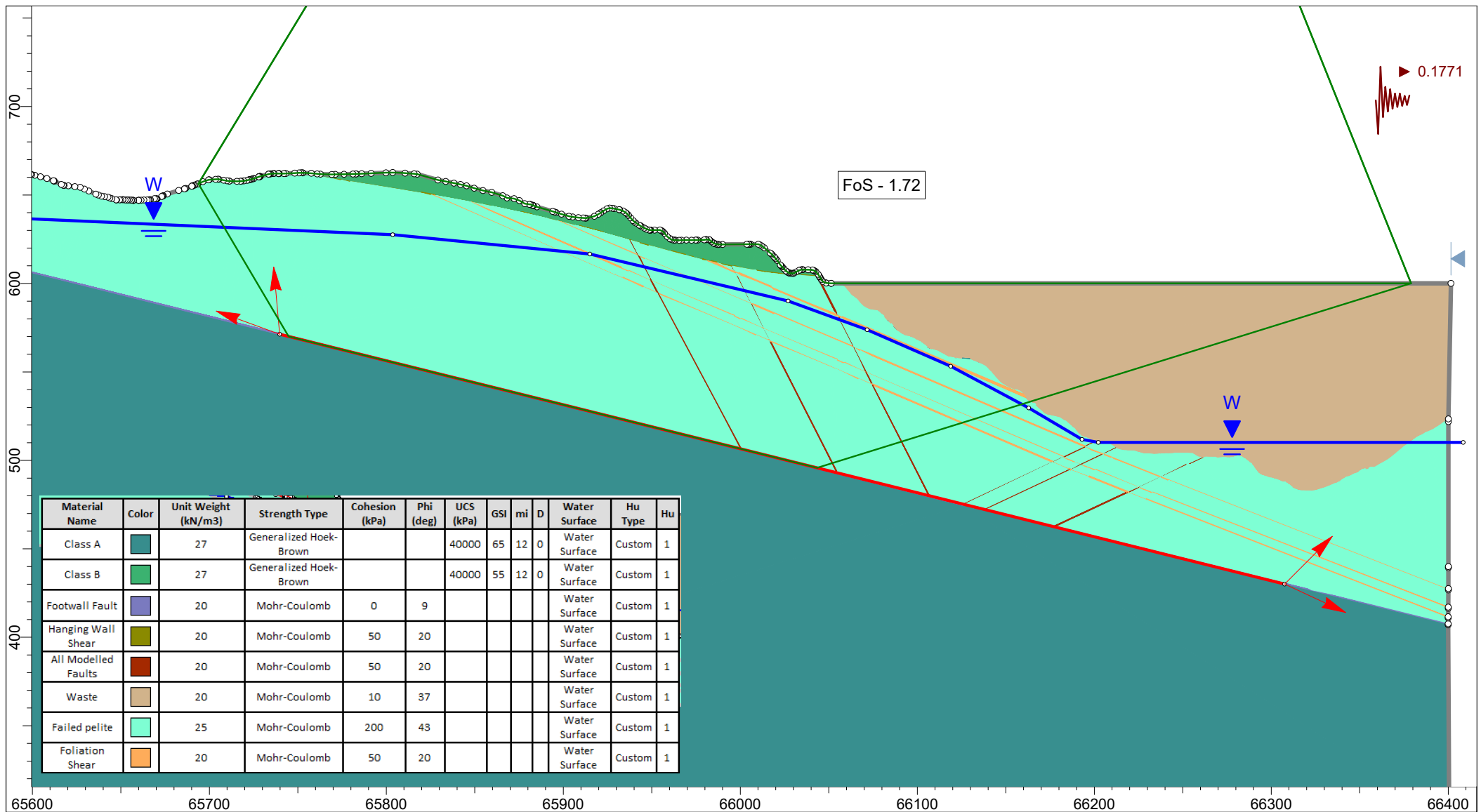
BWT Foliation Shear



	Client: OceanaGold								
	Project: Macraes Phase 4 Consenting								
	Location: Coronation North Backfill - Southwest slope								
	Analysis description: Backfill - 600 mRL OBE								
Job No:	PSM71	By:	KH	Date:	13/08/2024	Scale:	1:3000	Run ID:	Planar Sliding FF



Client:		OceanaGold		
Project:		Macraes Phase 4 Consenting		
Location:		Coronation North Backfill - Southwest slope		
Analysis description:		Backfill - 600 mRL MDE		
Job No:	PSM71	By:	KH	Date: 12/08/2024
Scale:		1:2500		Run ID: AWT Foliation Shear

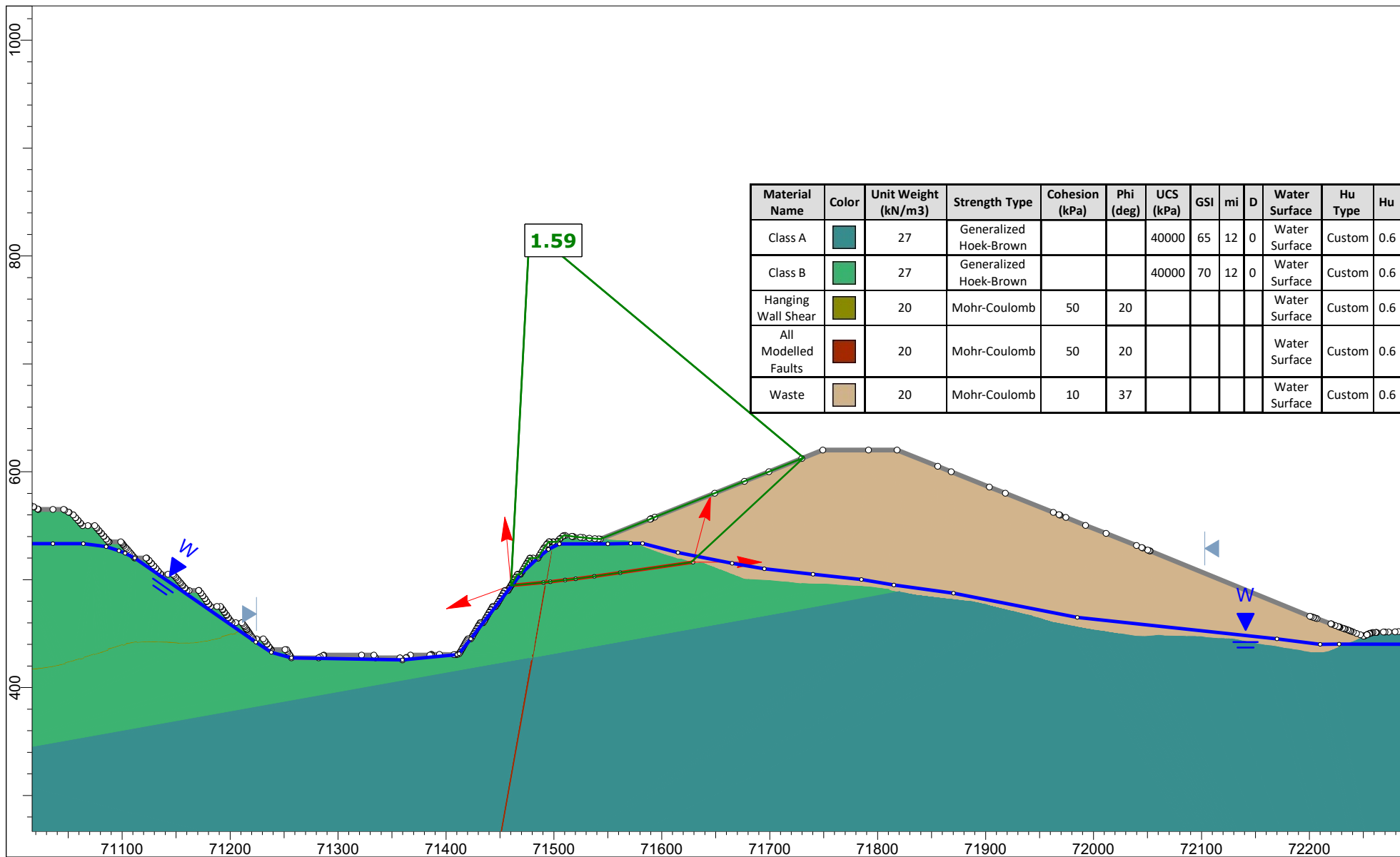


PSM SLIDEINTERPRET 9.027	Client: OceanaGold											
	Project: Macraes Phase 4 Consenting											
	Location: Coronation North Backfill - Southwest slope											
	Analysis description: Backfill - 600 mRL MDE											
	Job No:	PSM71	By:	KH	Date:	13/08/2024	Scale:	1:3000	Run ID:	Planar Sliding FF		

Appendix F

Golden Bar Stage 2 2D Stability Analyses

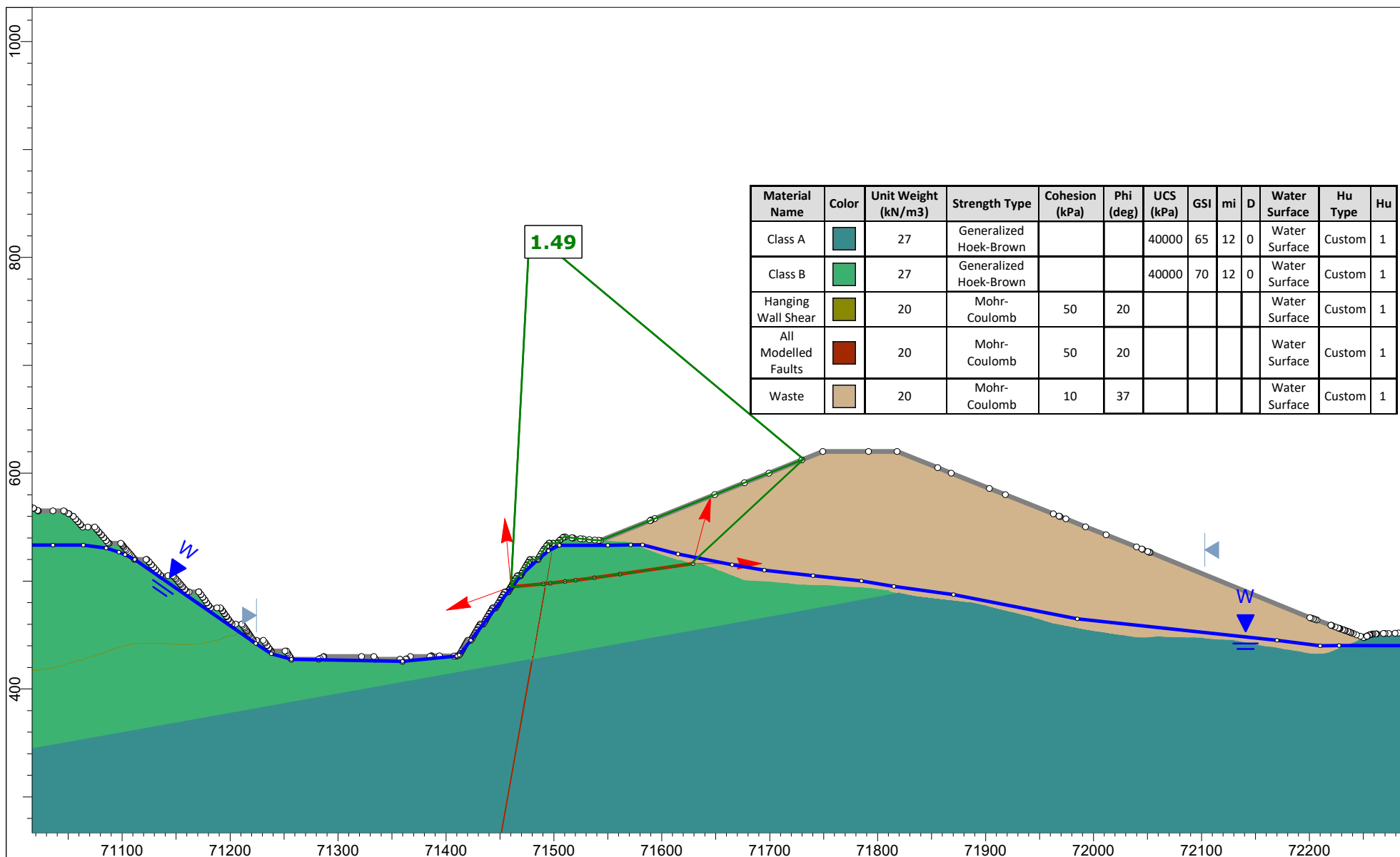




Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	0.6



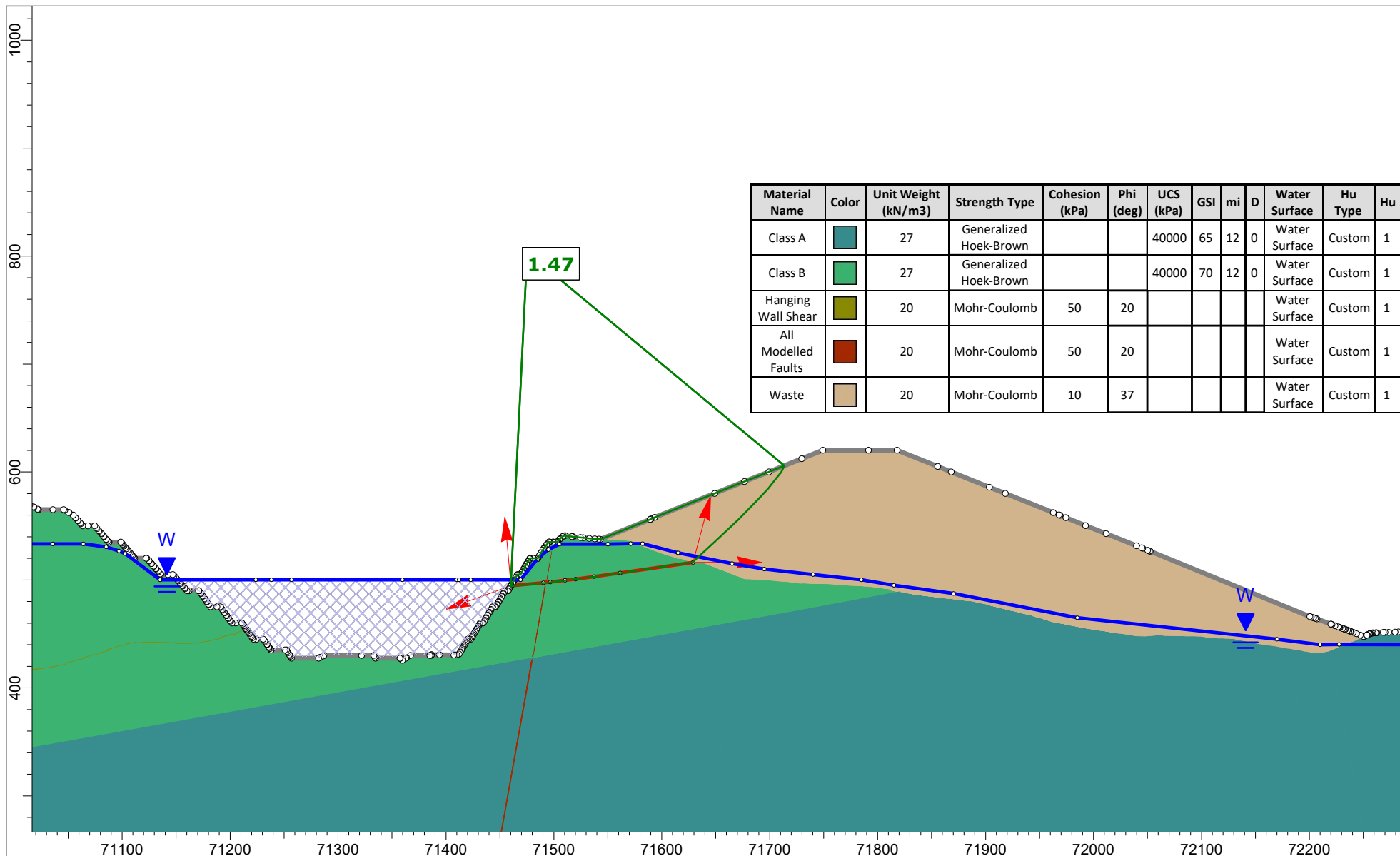
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 1.slmd - Hu=0.6 North Wall - HWS, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1



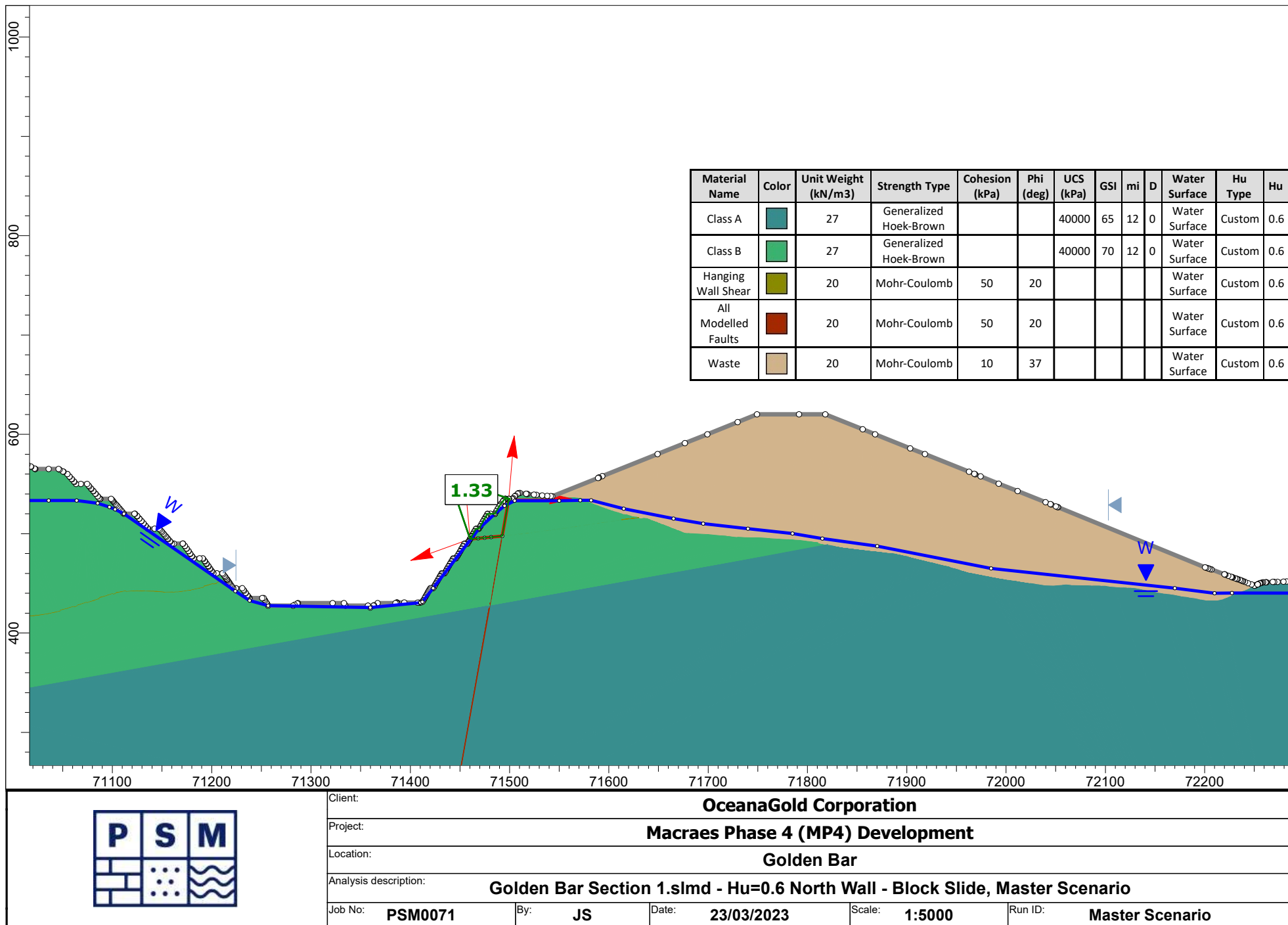
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 1.slmd - Hu=1.0 North Wall - HWS, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	

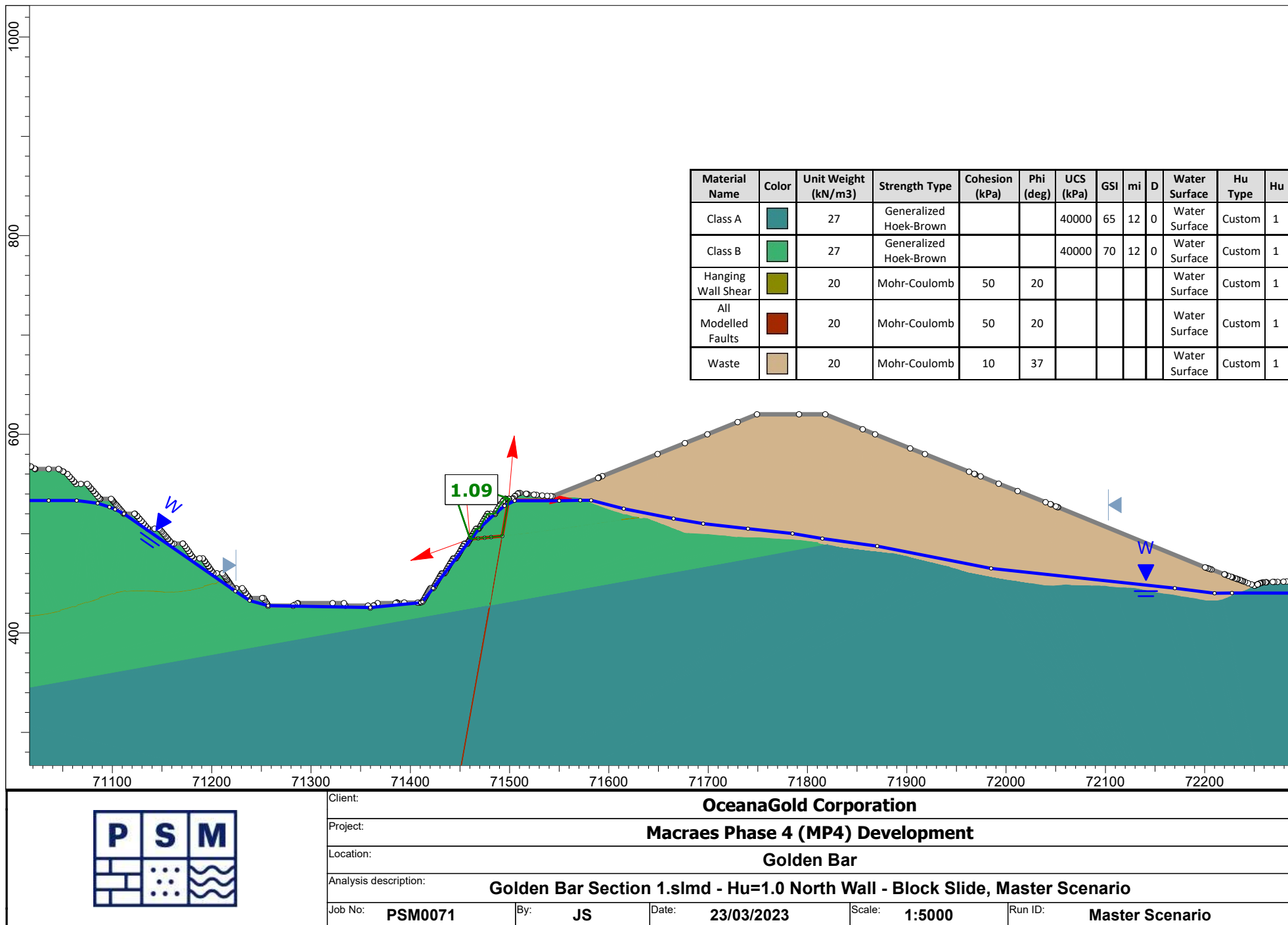


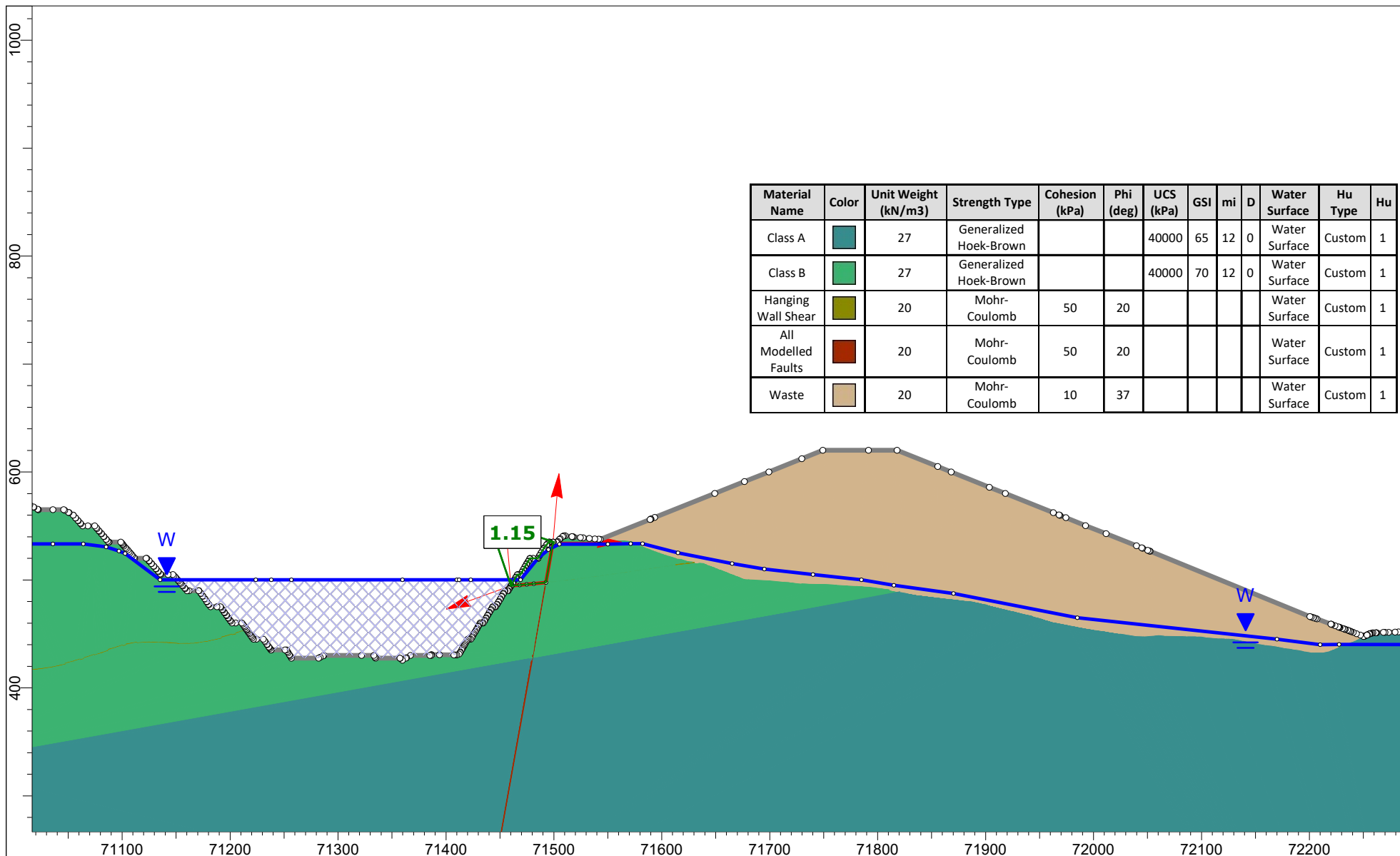
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1



Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 1.slmd - Pit Lake North Wall - HWS, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



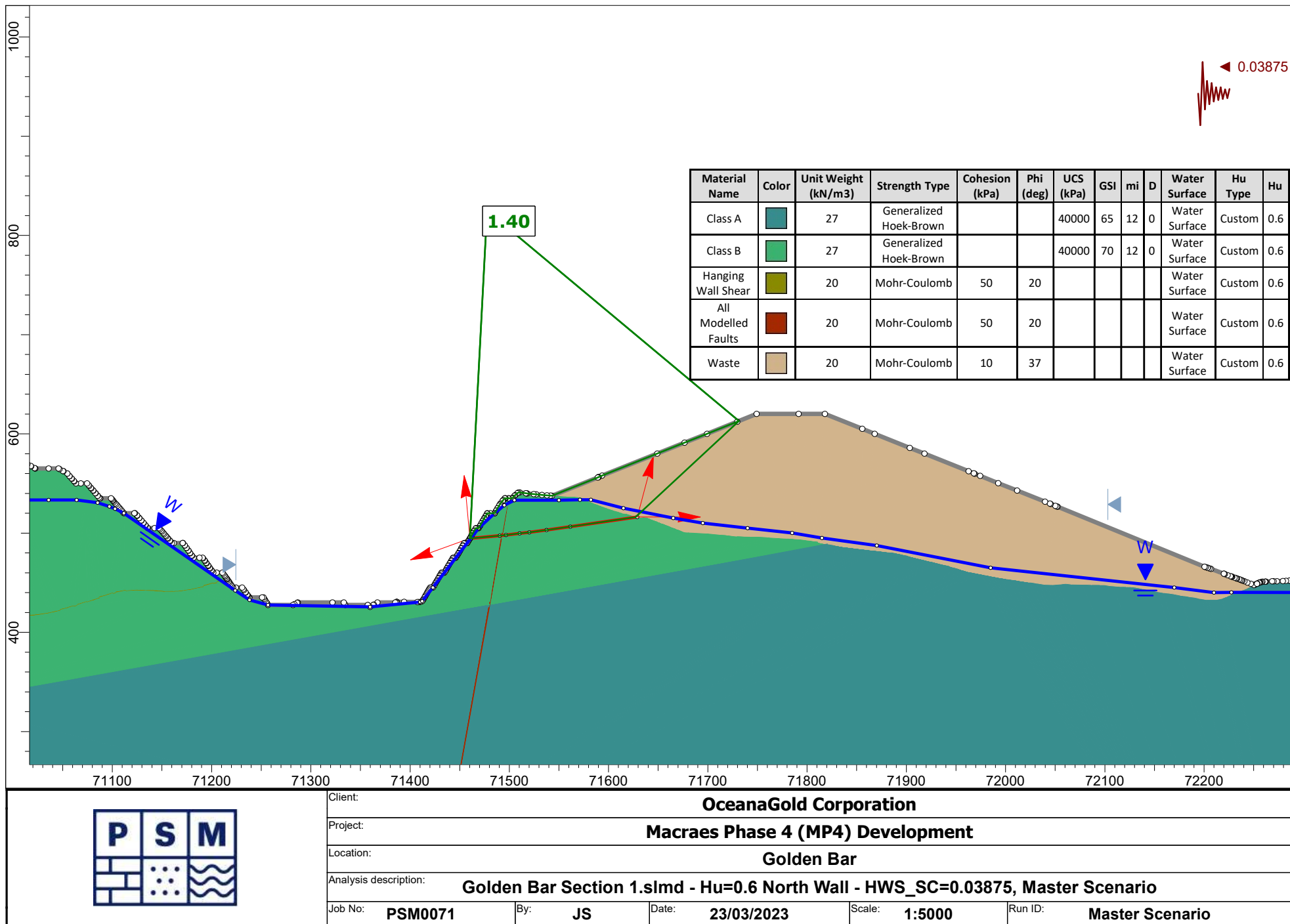


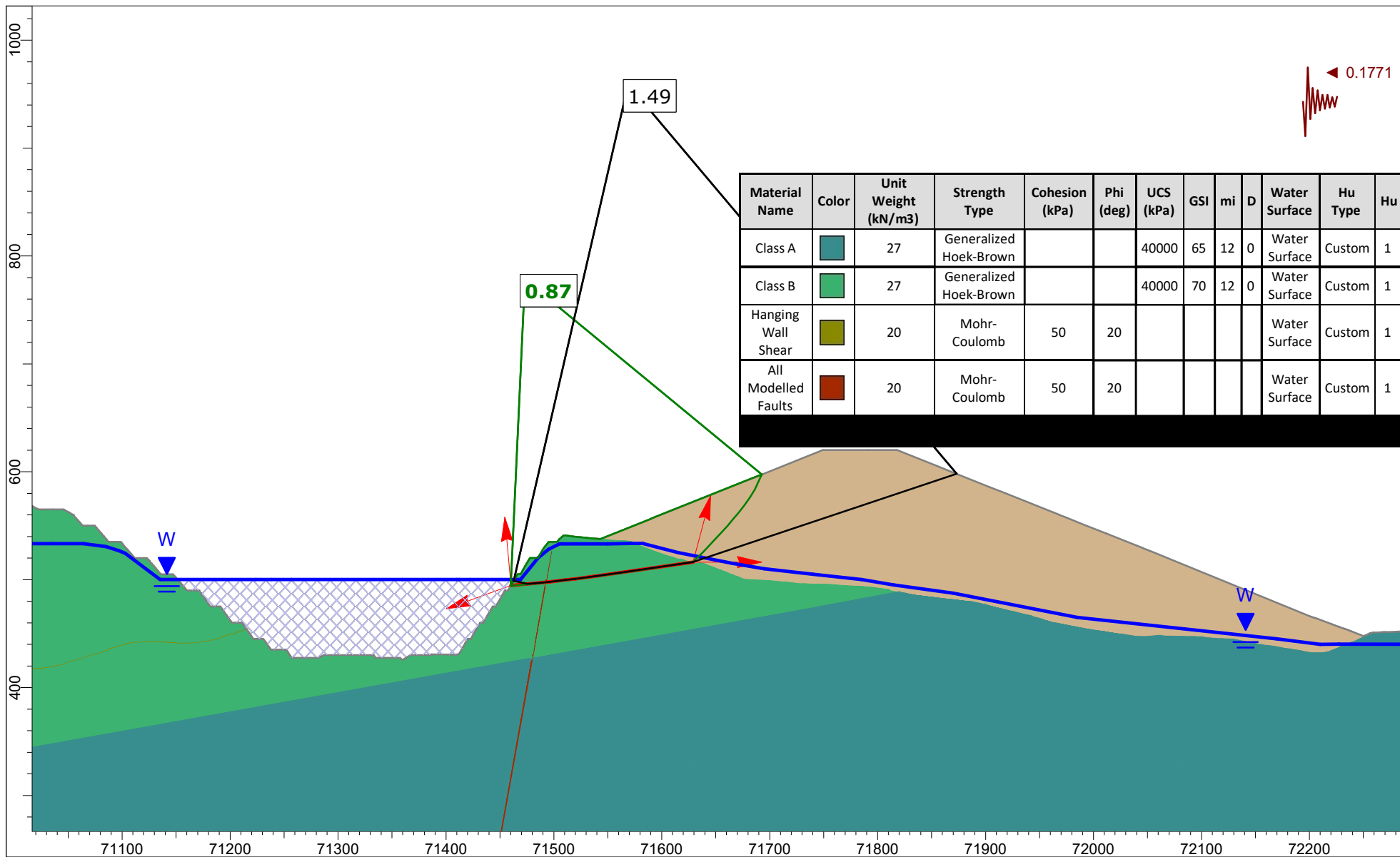


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1

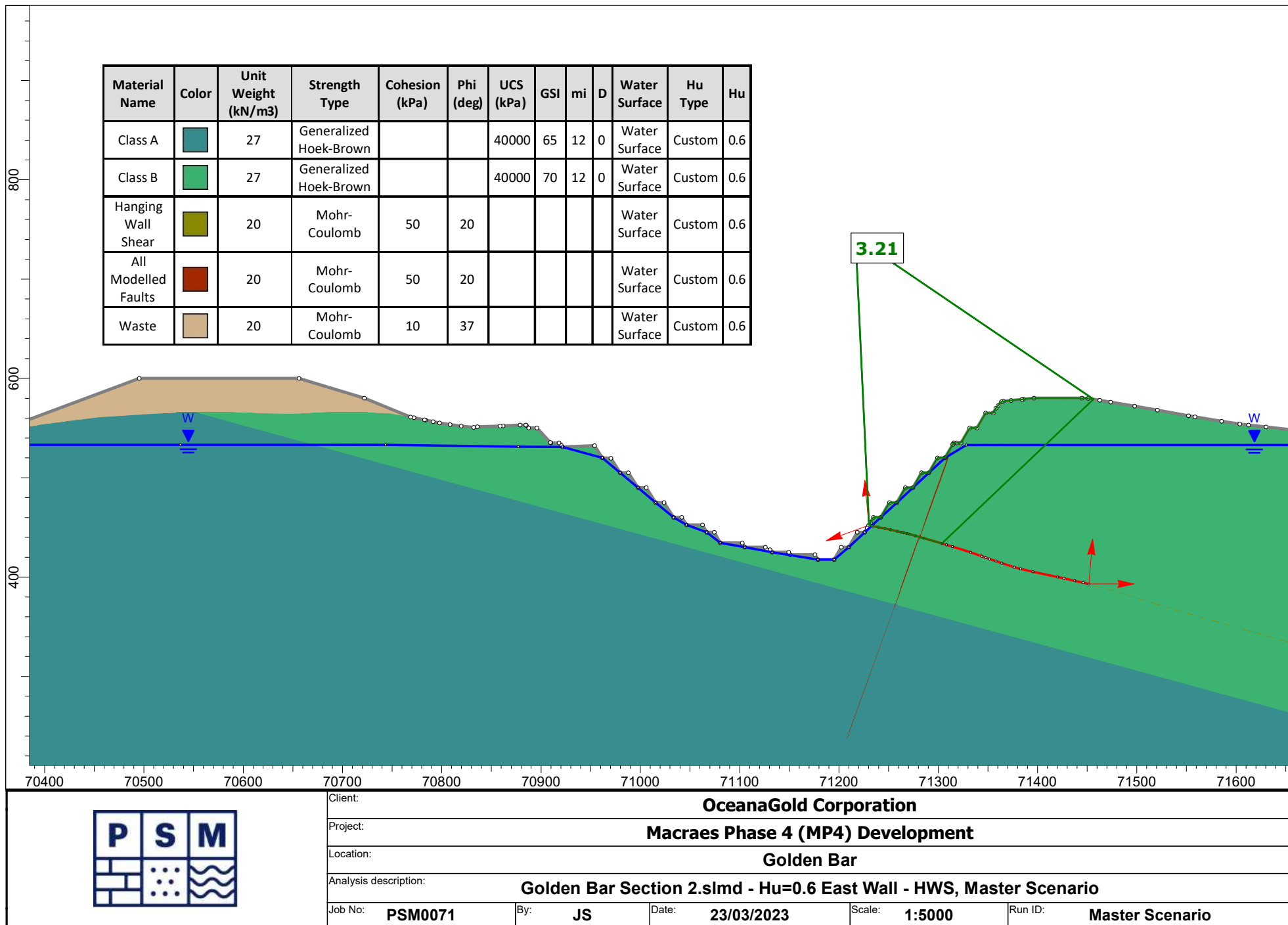


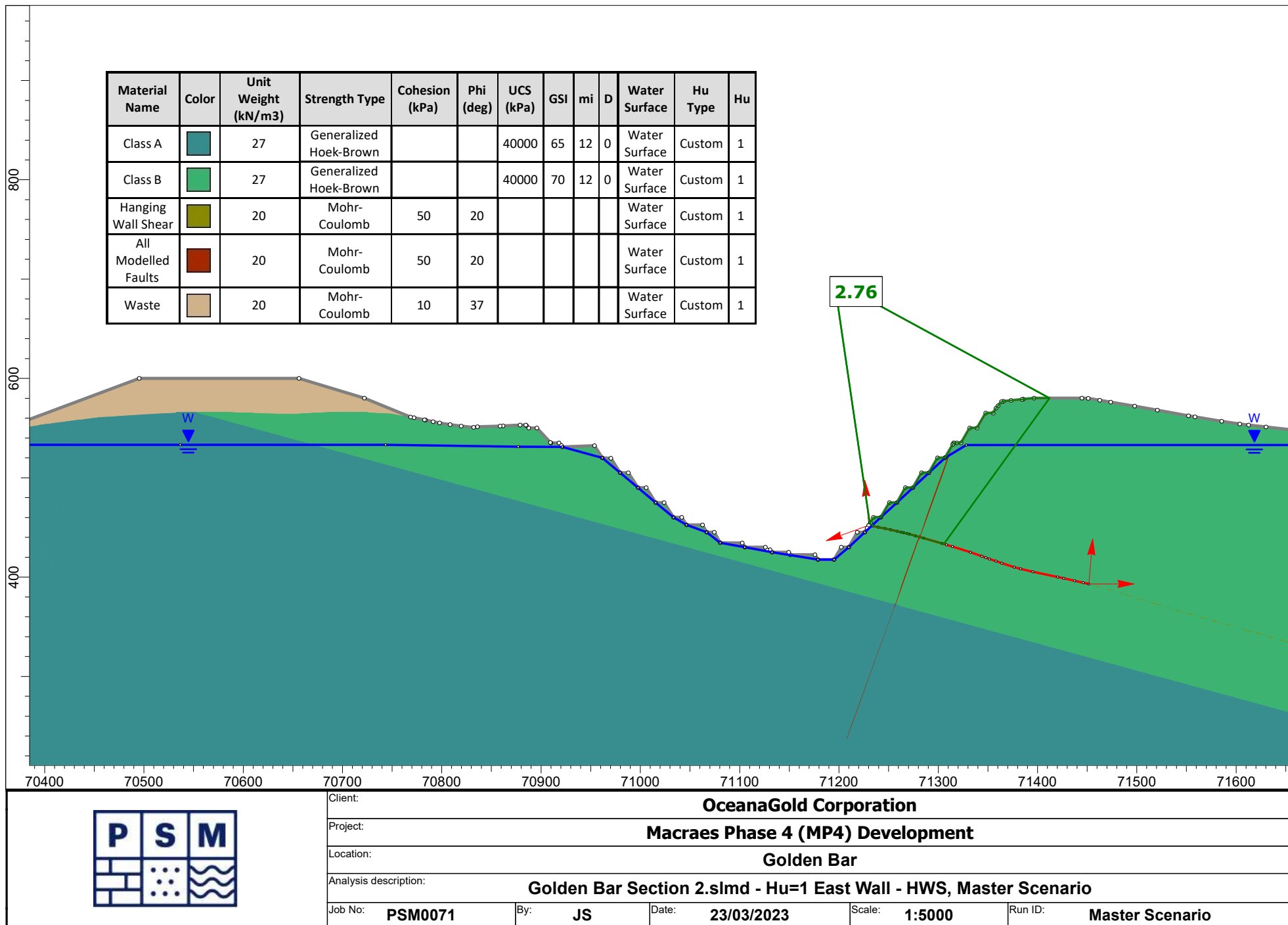
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 1.slmd - Pit Lake North Wall - Block Slide, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	

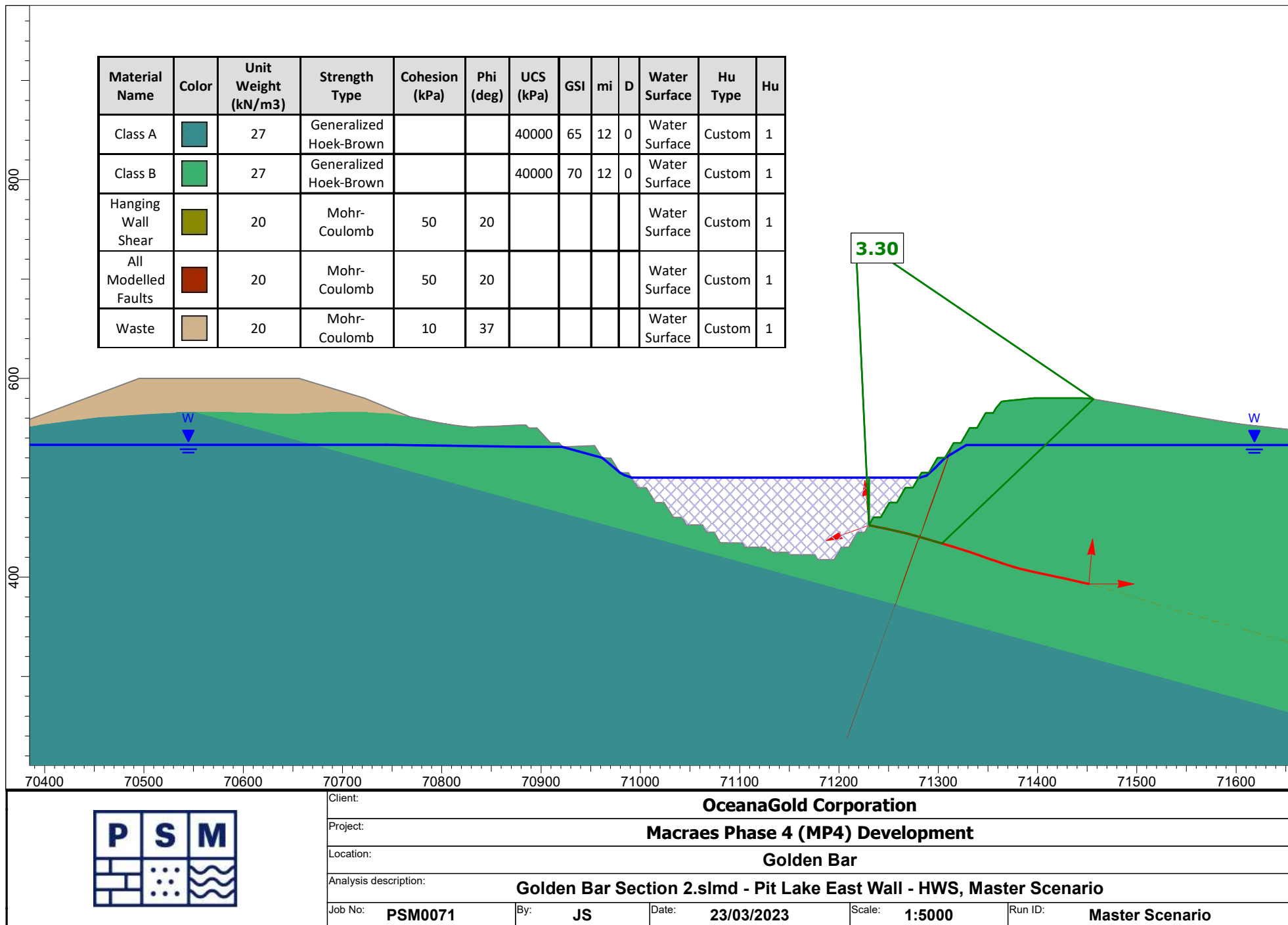


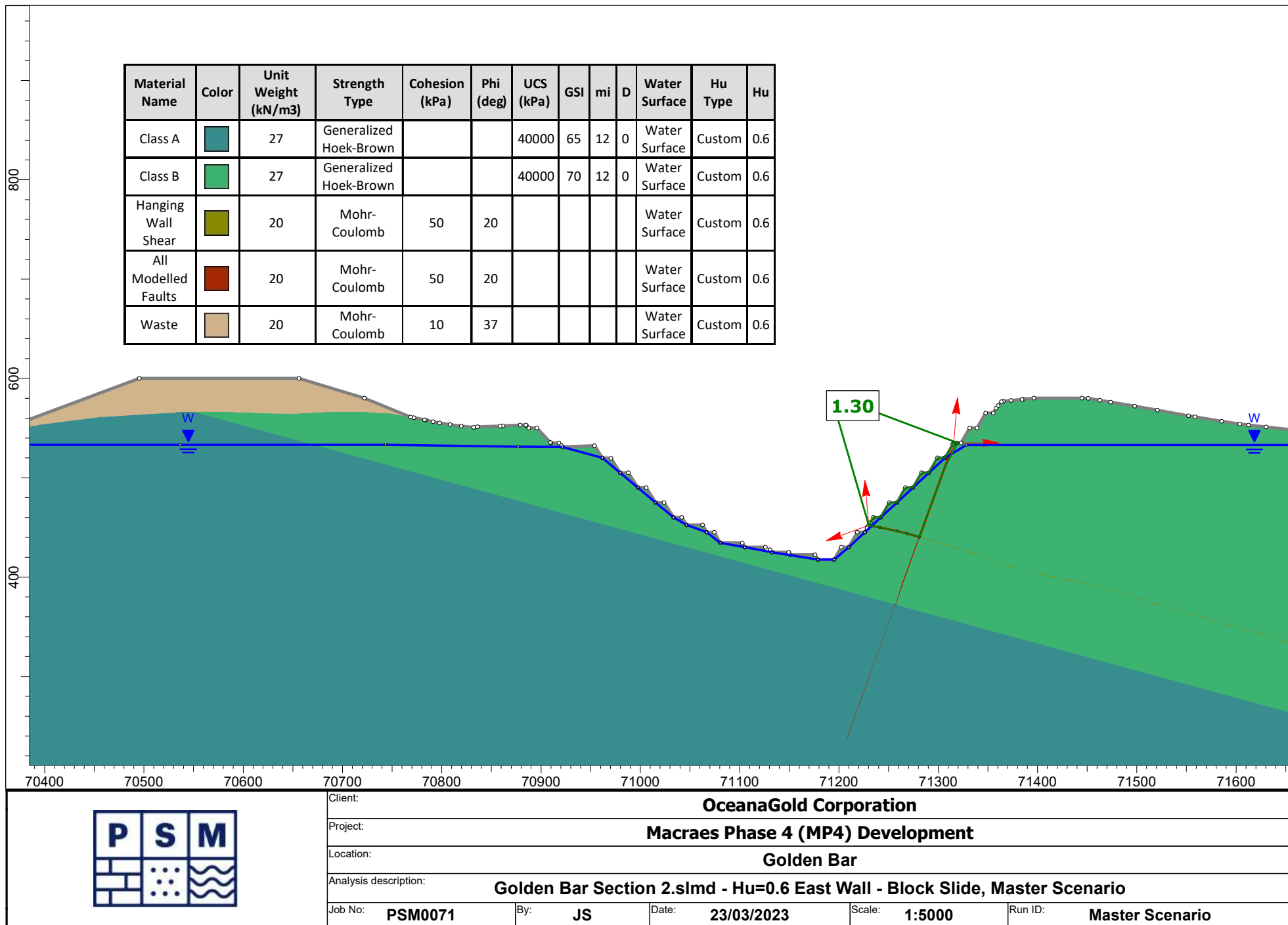


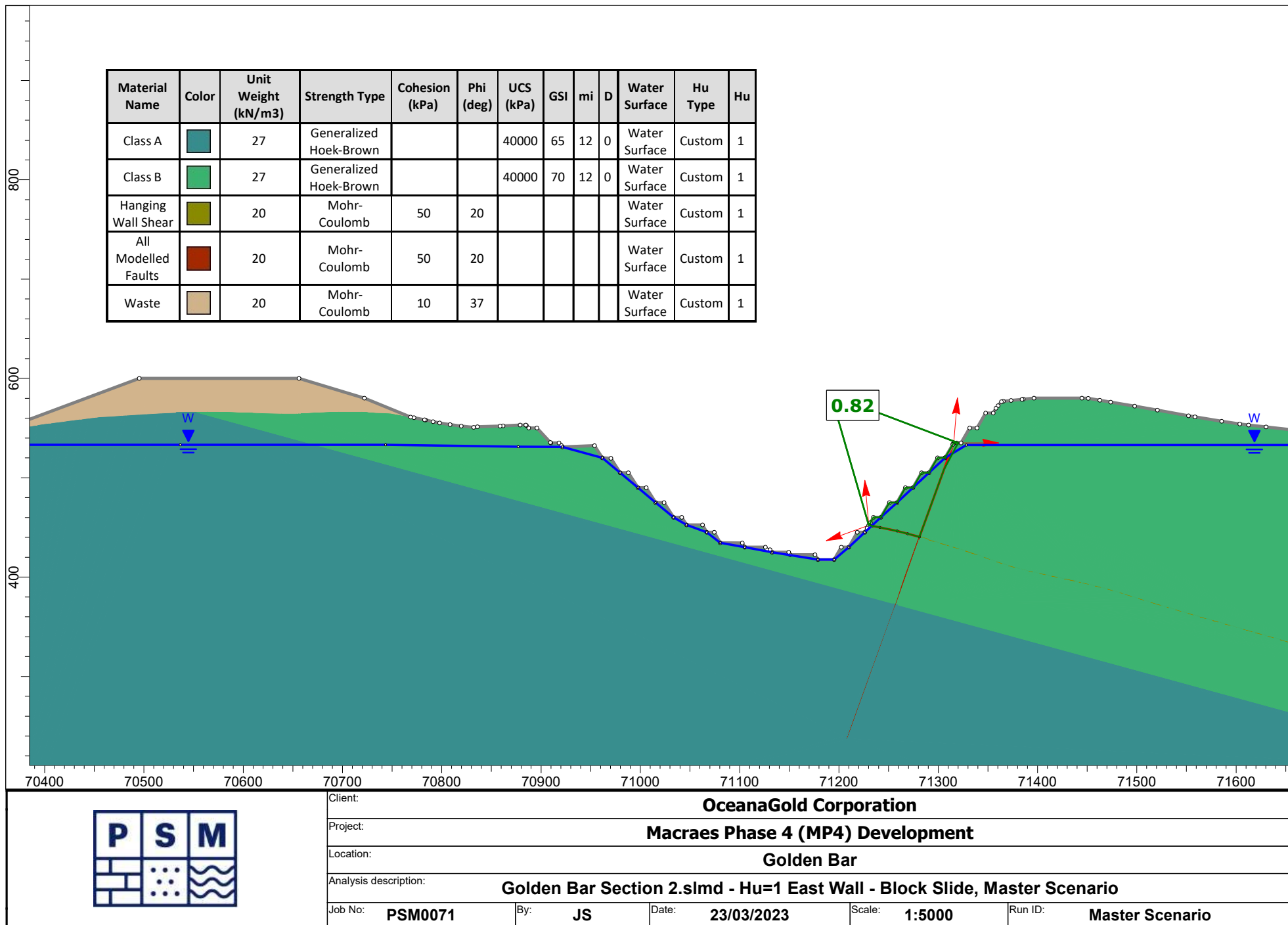
Client:		OceanaGold Corporation				
Project:		Macraes Phase 4 (MP4) Development				
Location:		Golden Bar				
Analysis description:		Golden Bar Section 1.slmd - Pit Lake North Wall - HWS_SC=0.1771, Master Scenario				
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
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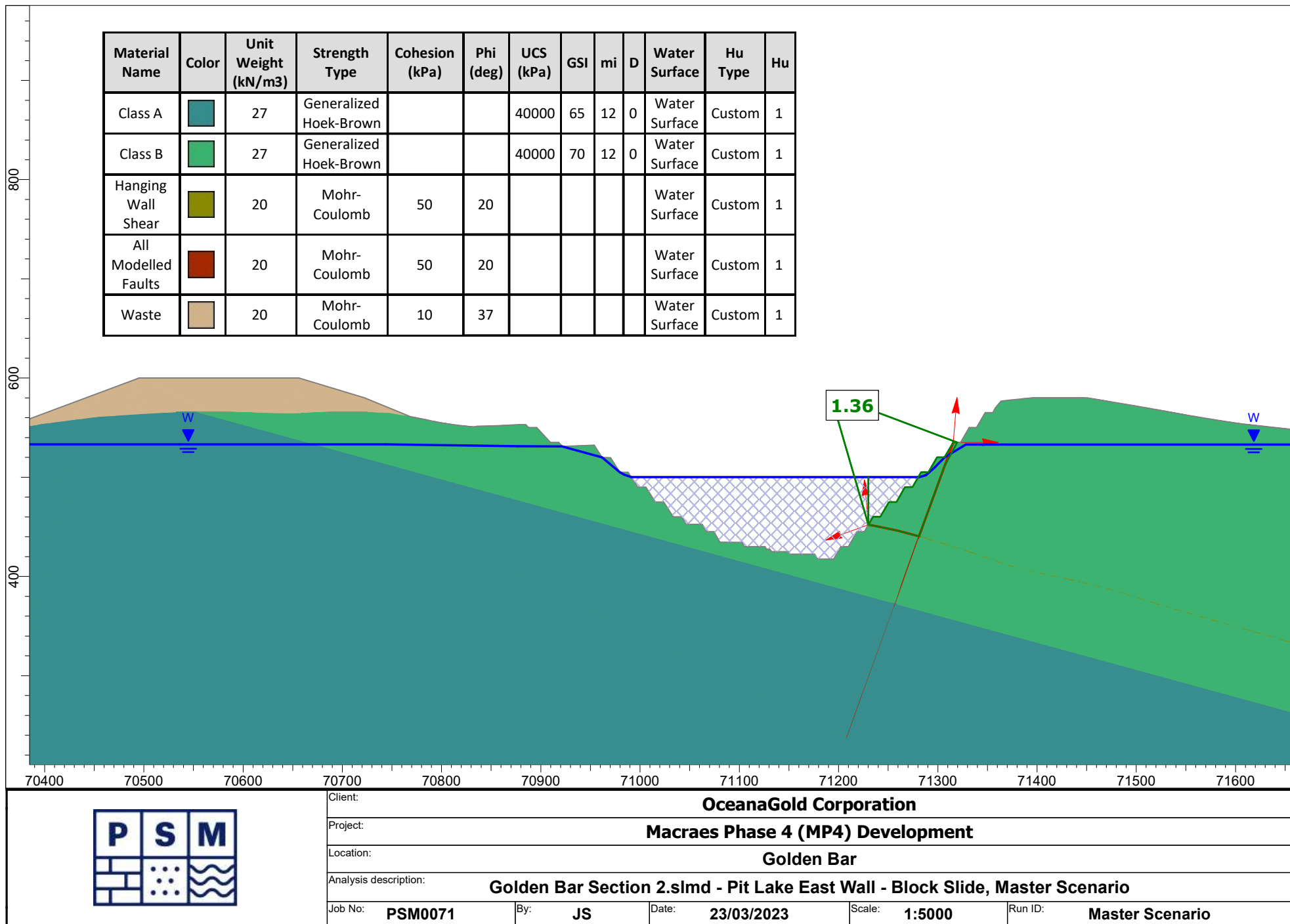


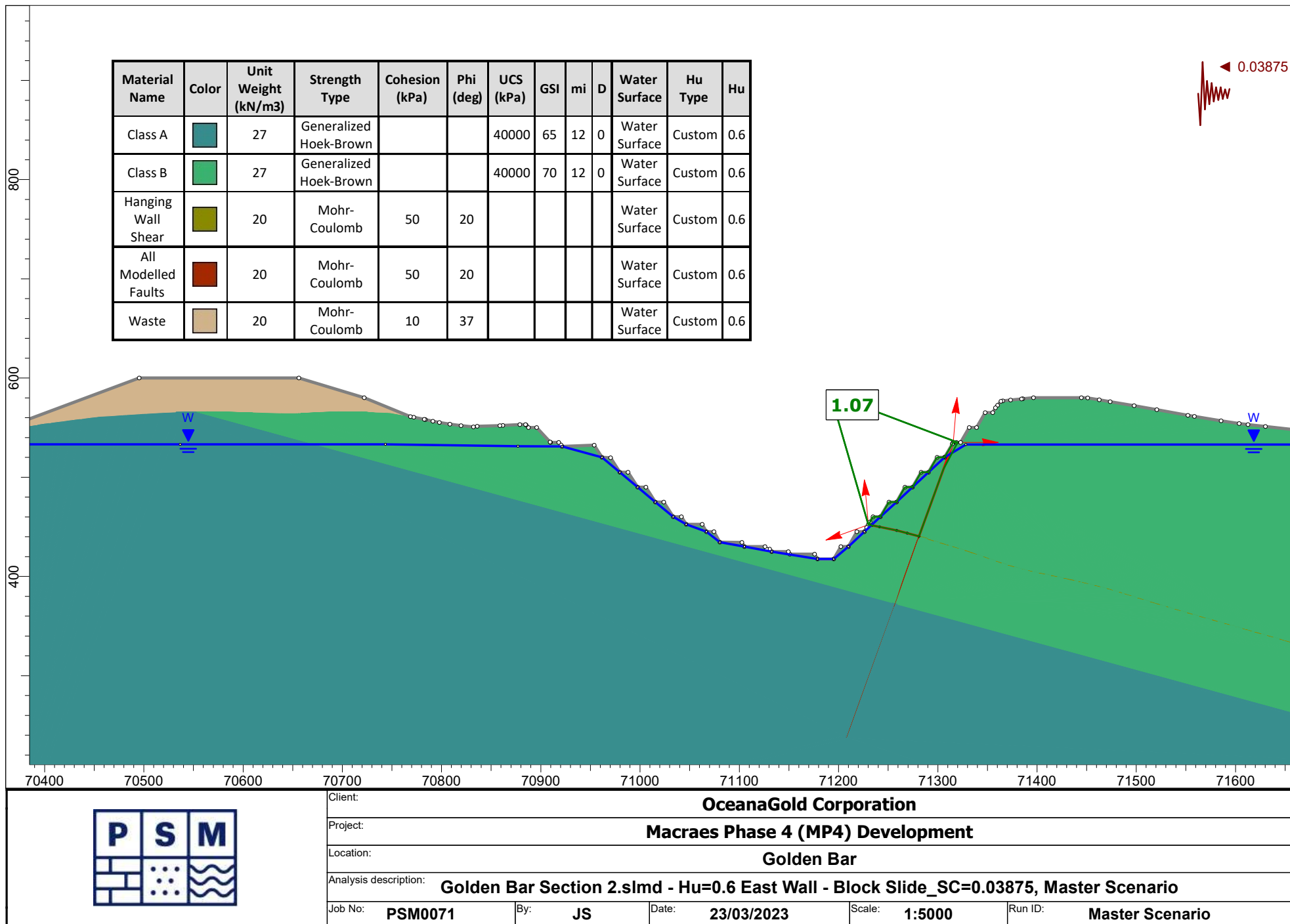


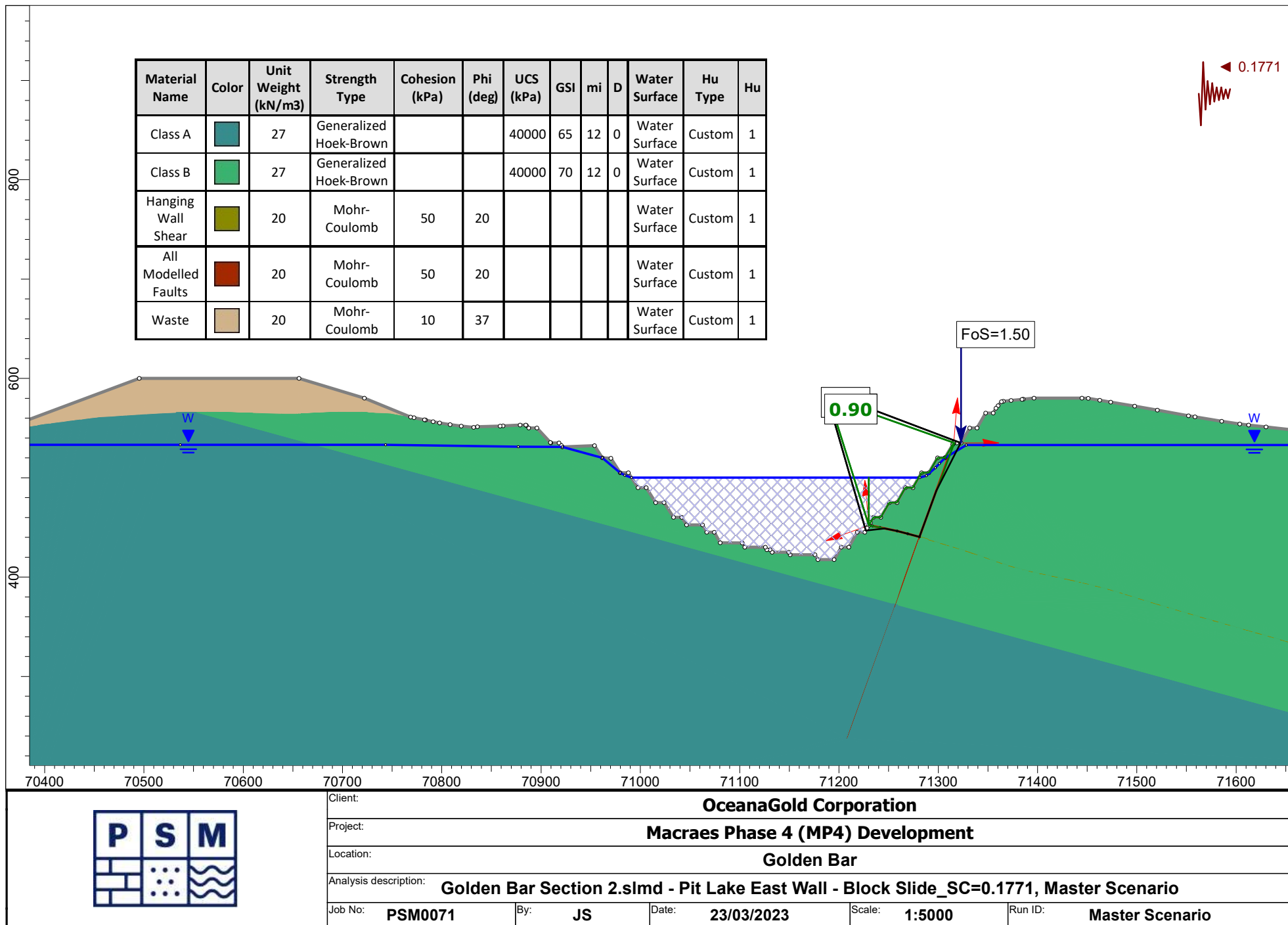


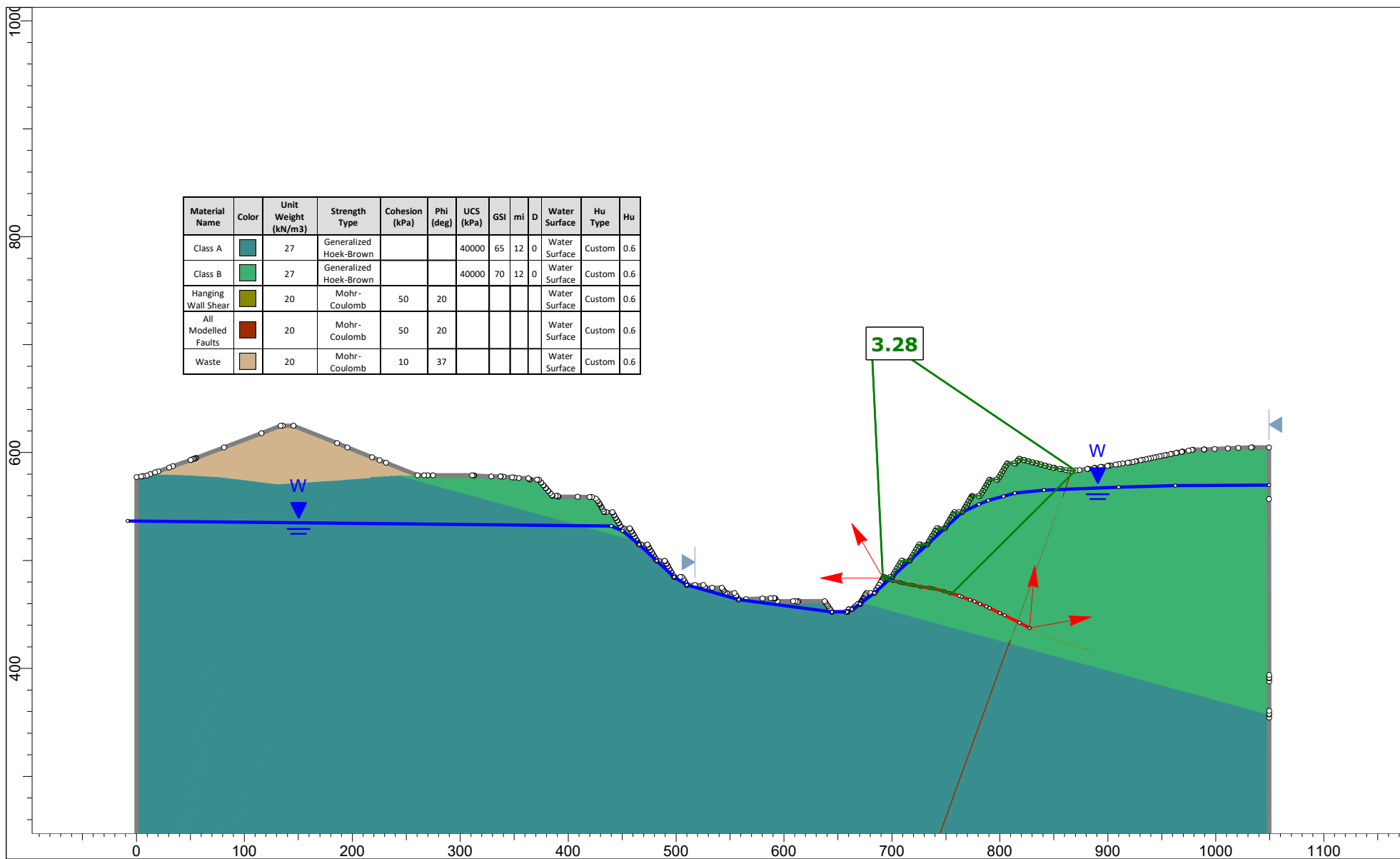








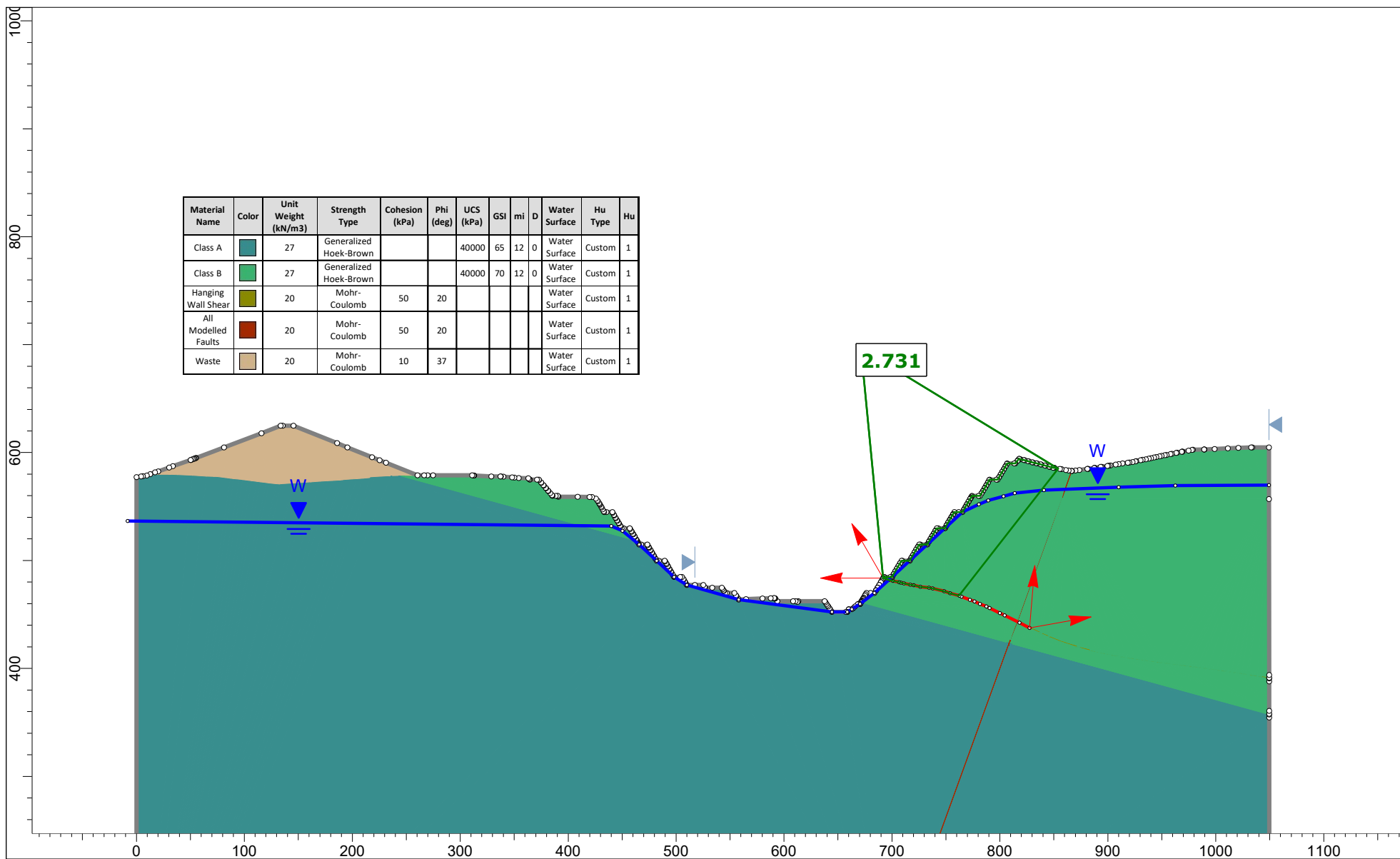




Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	0.6



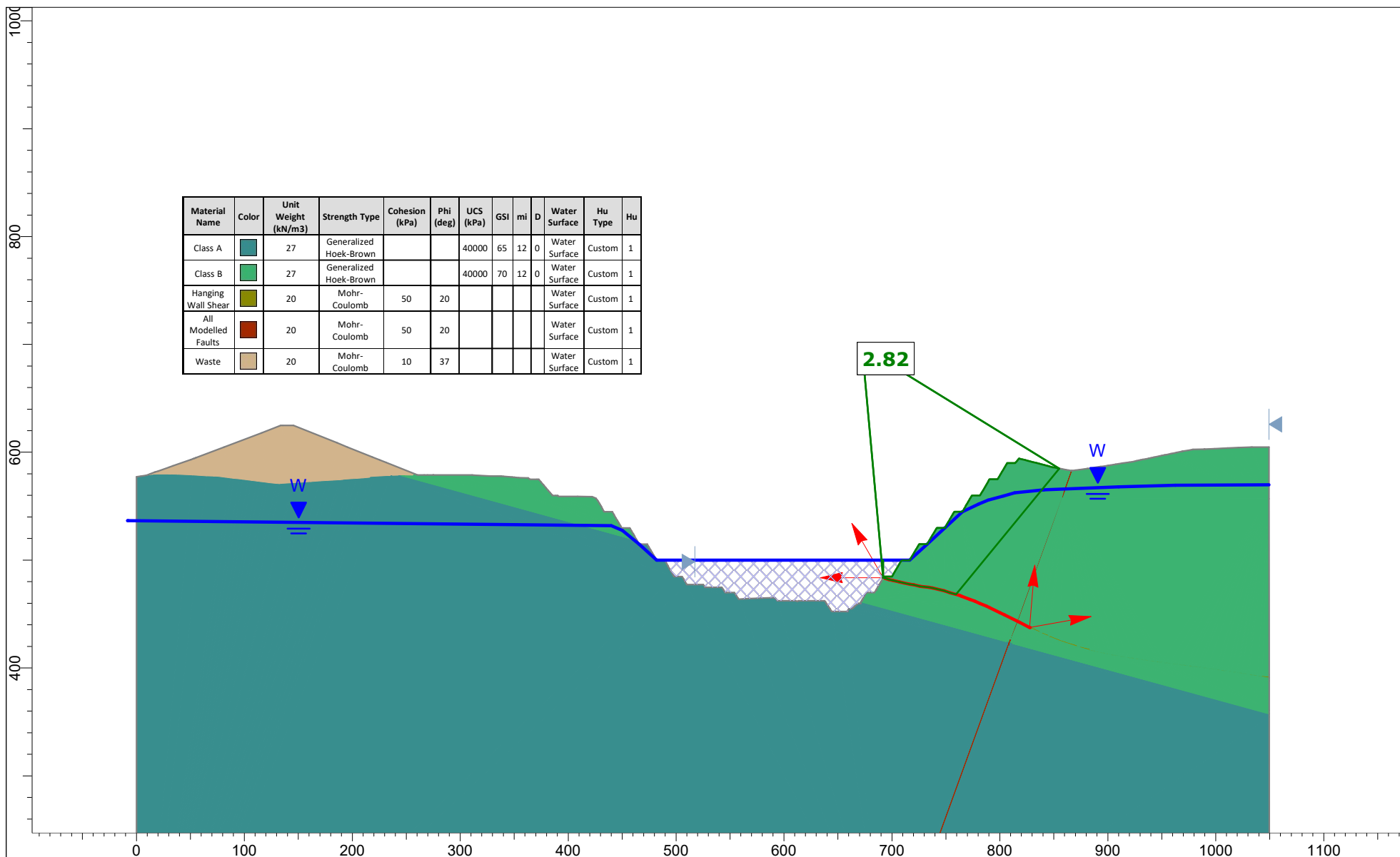
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 3.slmd - Hu=0.6 East Wall - HSW, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1



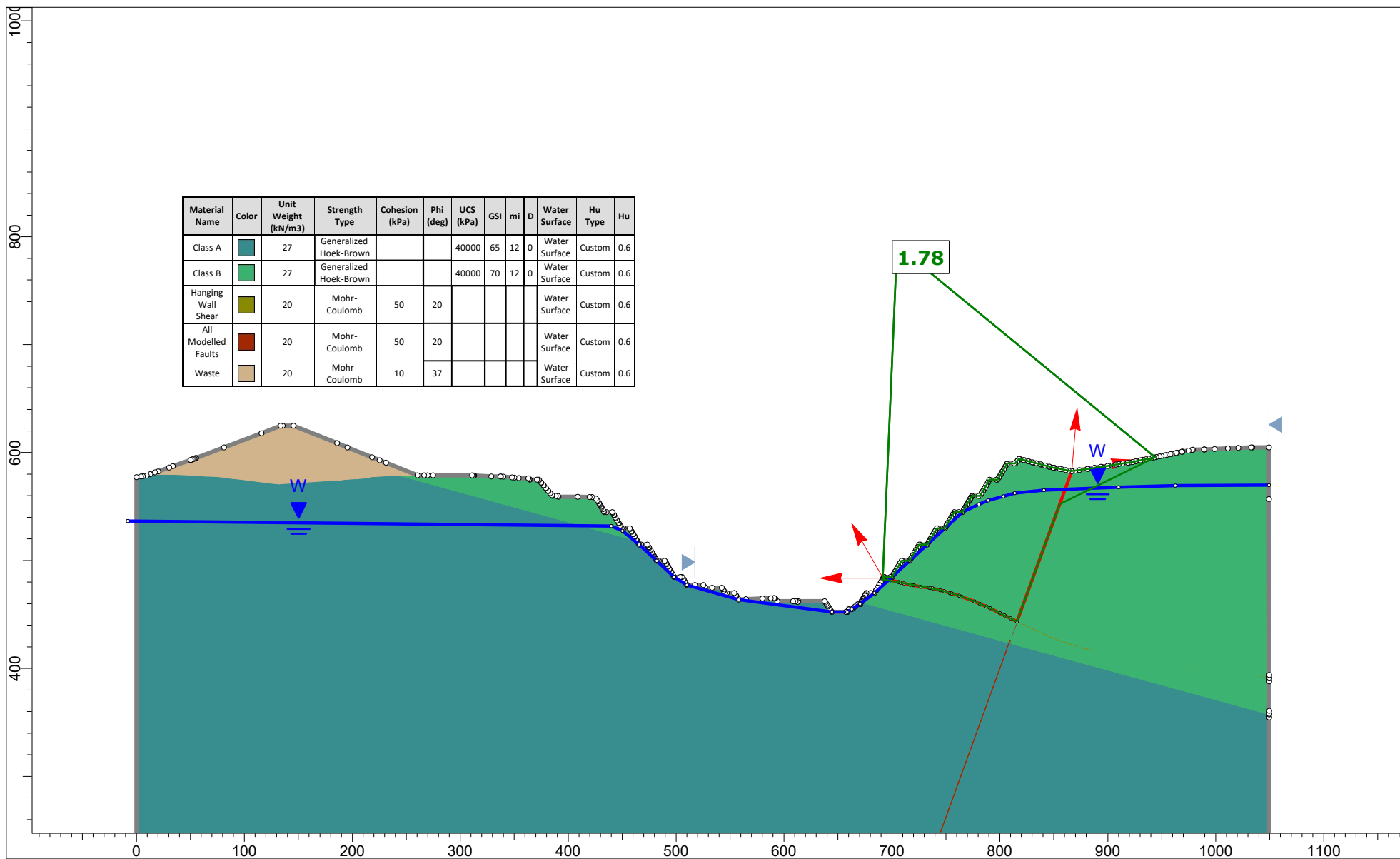
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 3.slmd - Hu=1 East Wall - HWS, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



Material Name	Color	Unit Weight (kN/m ³)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1



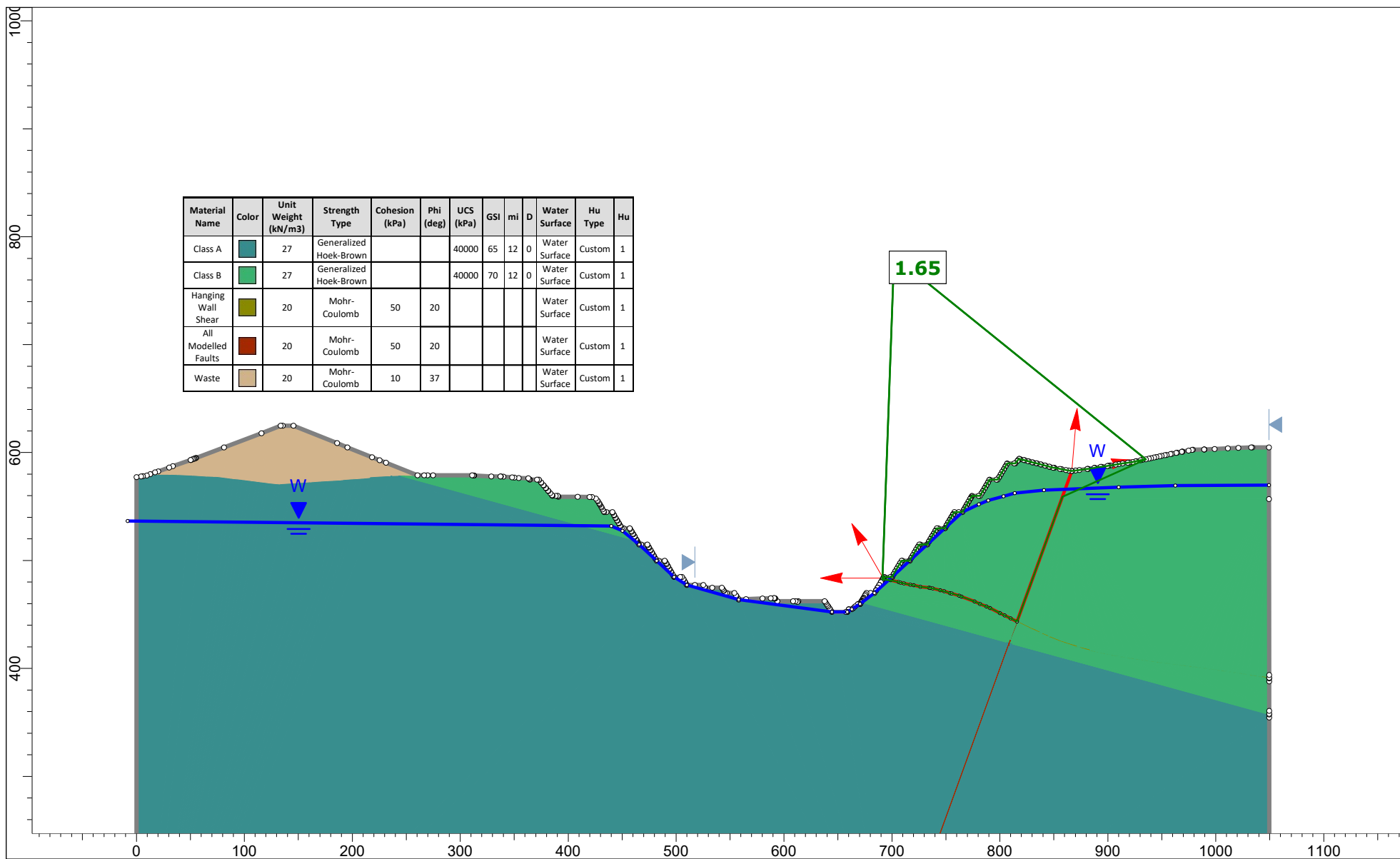
Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 3.slmd - Pit Lake East Wall - HWS, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	0.6
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	0.6



Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 3.slmd - Hu=0.6 East Wall - Block Slide, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	



Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
All Modelled Faults		20	Mohr-Coulomb	50	20					Water Surface	Custom	1
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1



Client:	OceanaGold Corporation					
Project:	Macraes Phase 4 (MP4) Development					
Location:	Golden Bar					
Analysis description:	Golden Bar Section 3.slmd - Hu=1 East Wall - Block Slide, Master Scenario					
Job No:	PSM0071	By:	JS	Date:	23/03/2023	Scale: 1:5000
				Run ID:	Master Scenario	

