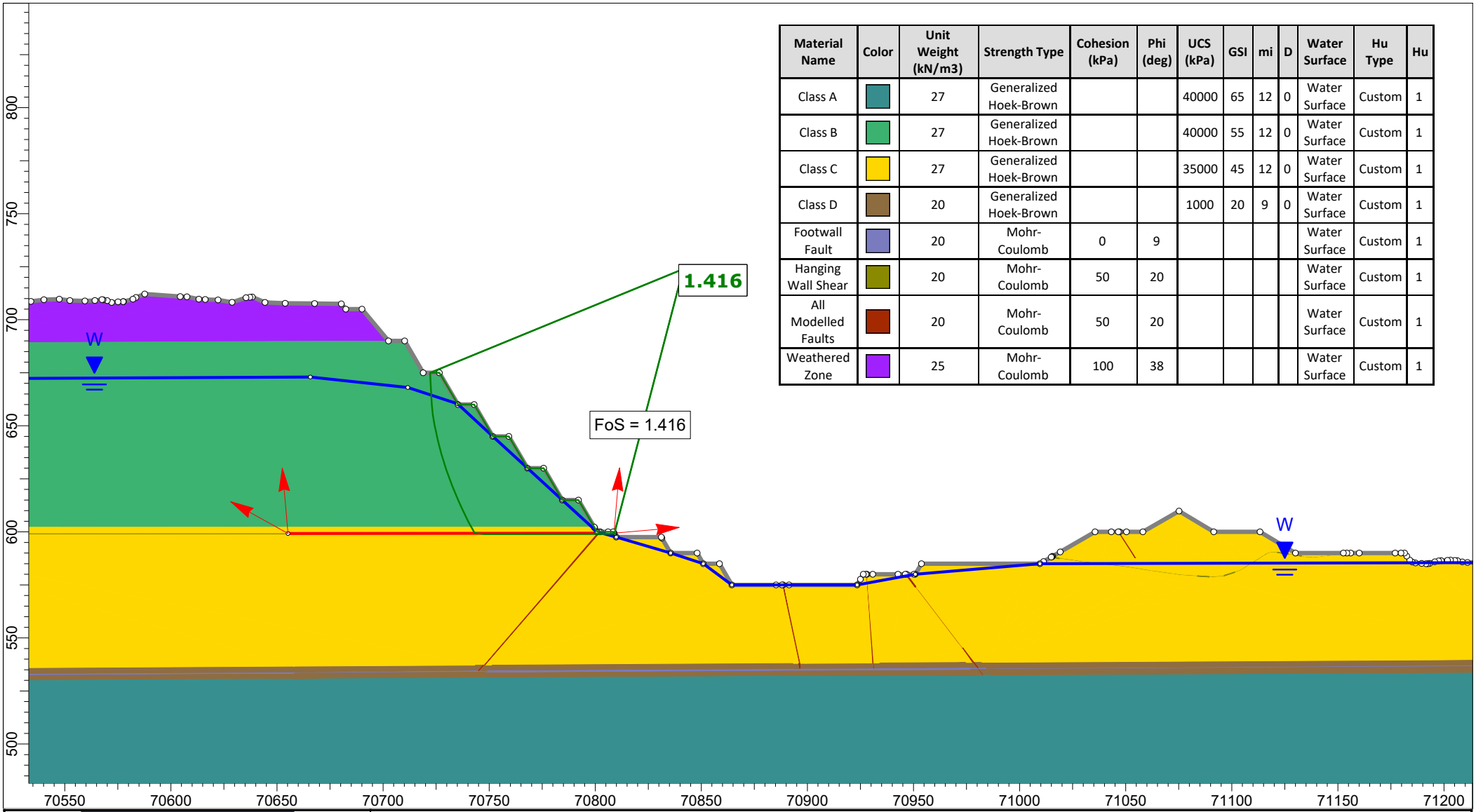
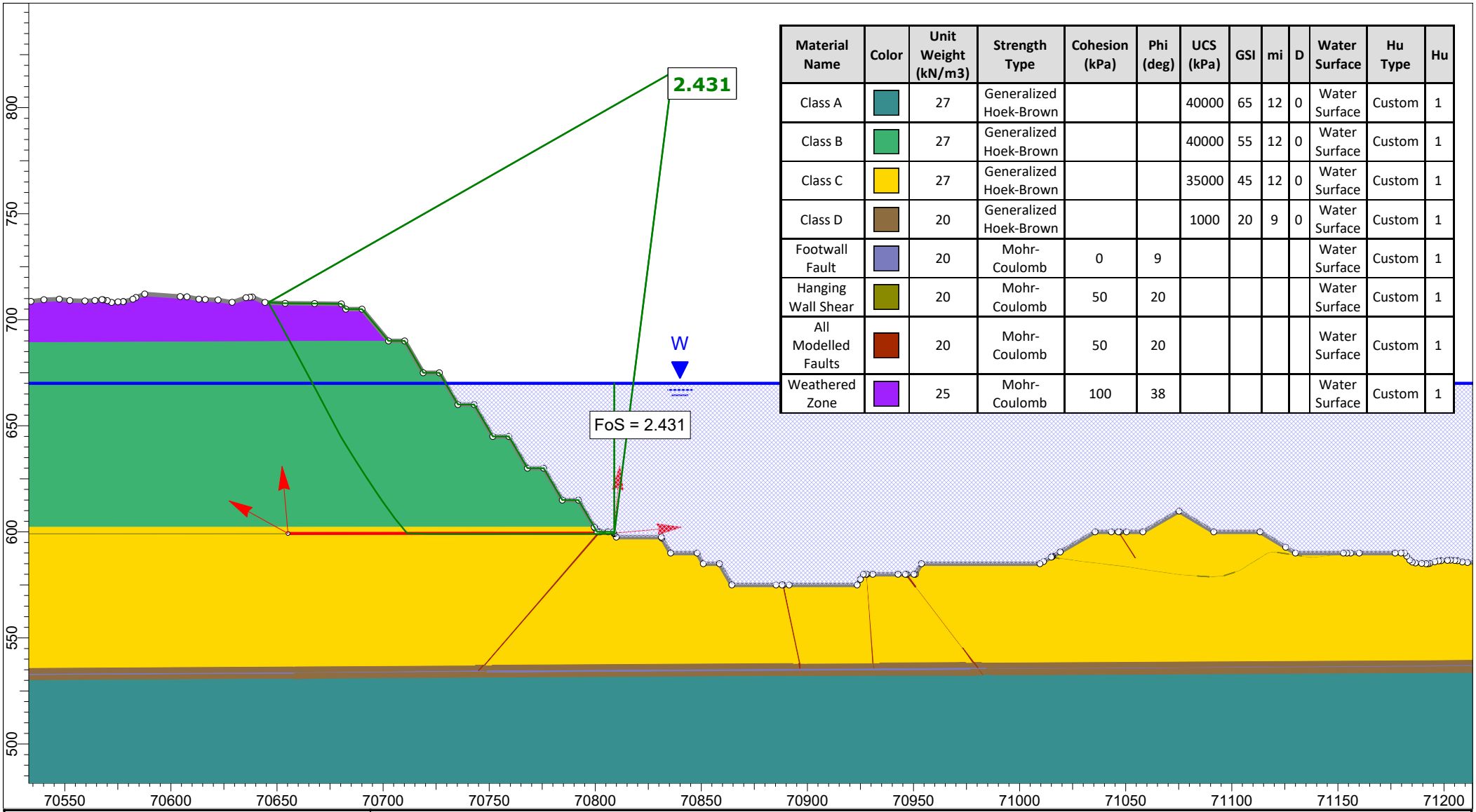


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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

SLIDEINTERPRET 9.014

Project	PSM0071 - Macraes		
Analysis Description	Wet - HWS		
Drawn By	DW	*Scale* 1:2500	*Company* PSM
Date	27/06/2022		*File Name* Coronation Stage6 Section2_Run1.slmd

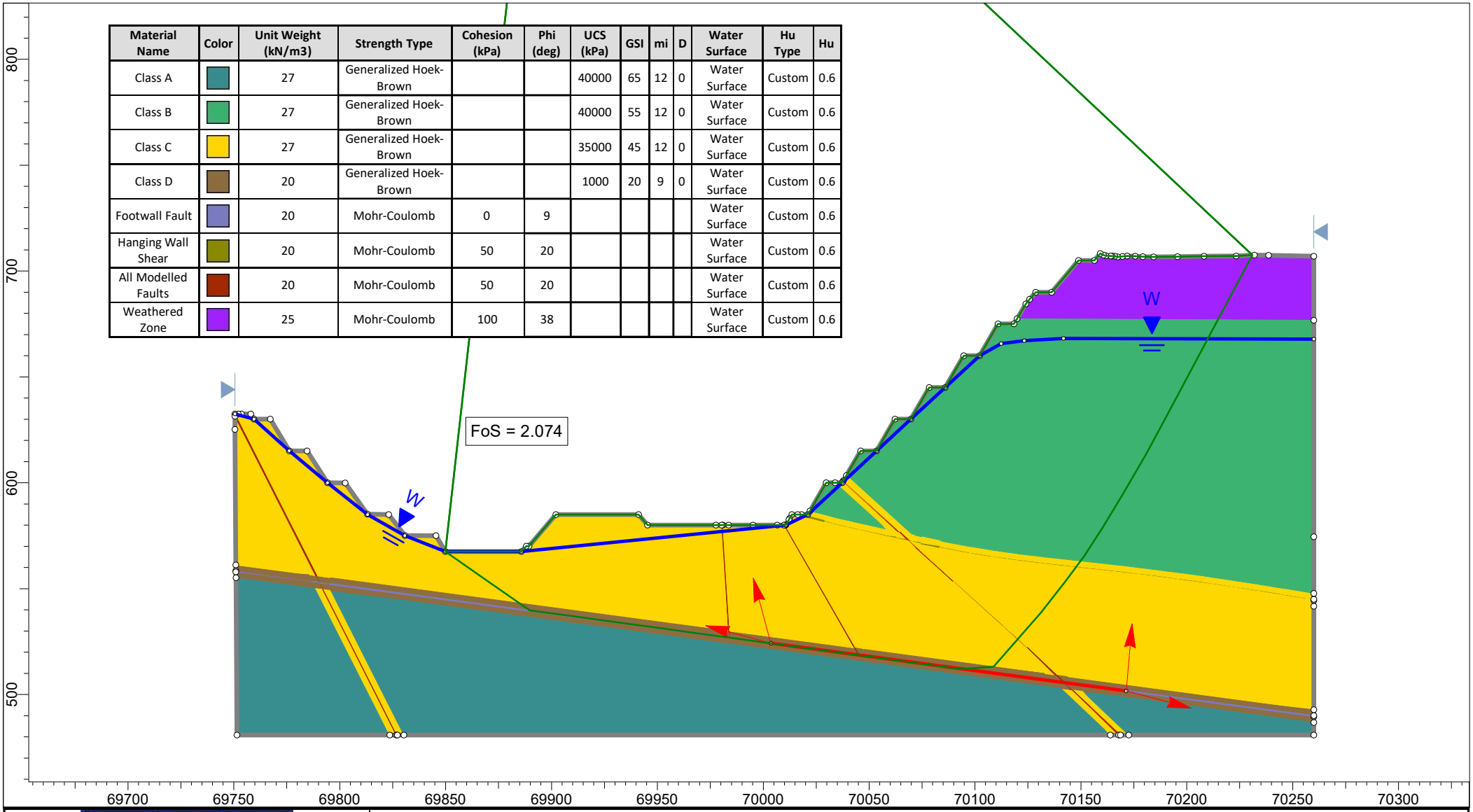


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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

SLIDEINTERPRET 9.022

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

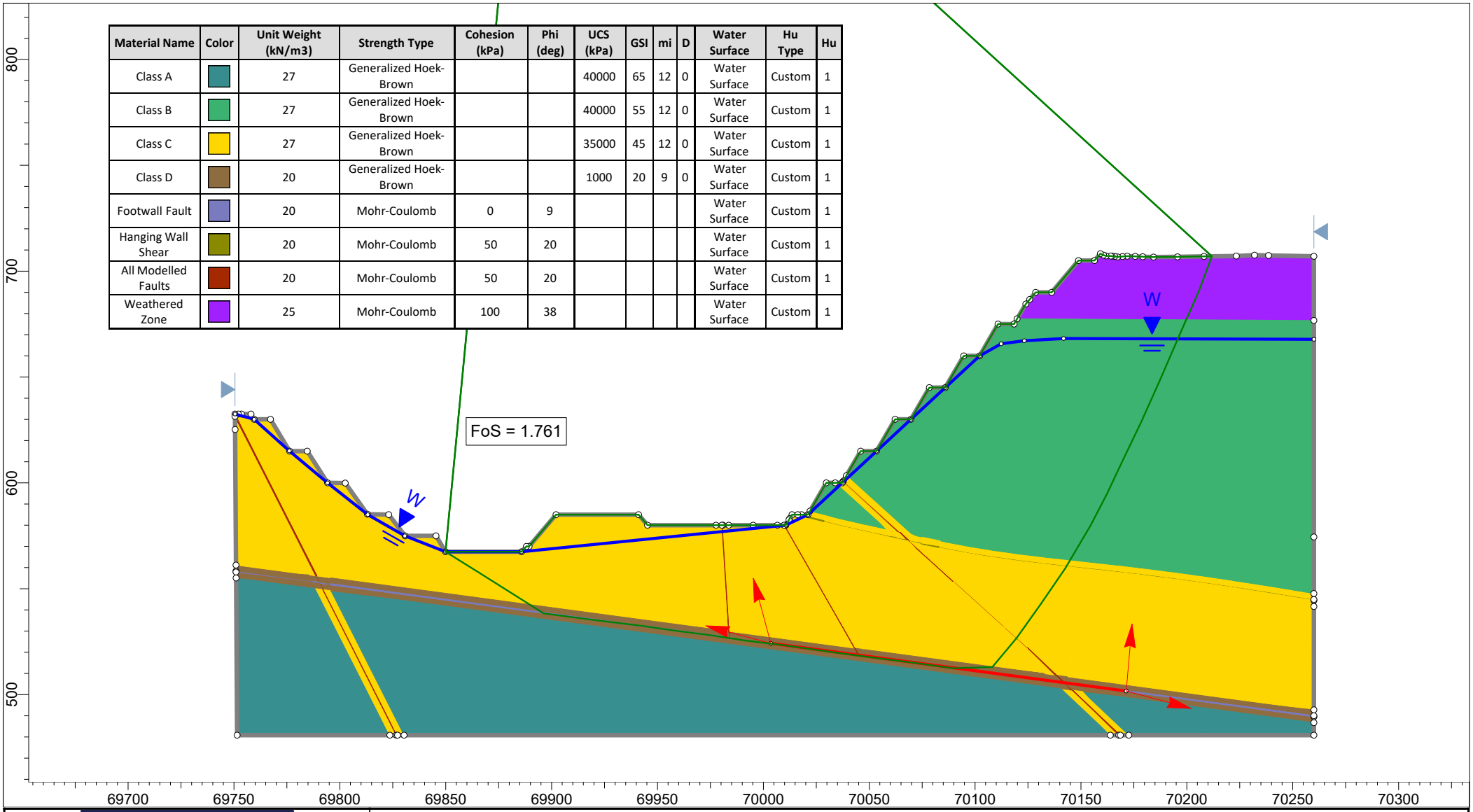
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	0.6
Class C		27	Generalized Hoek-Brown			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



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

SLIDEINTERPRET 9.019

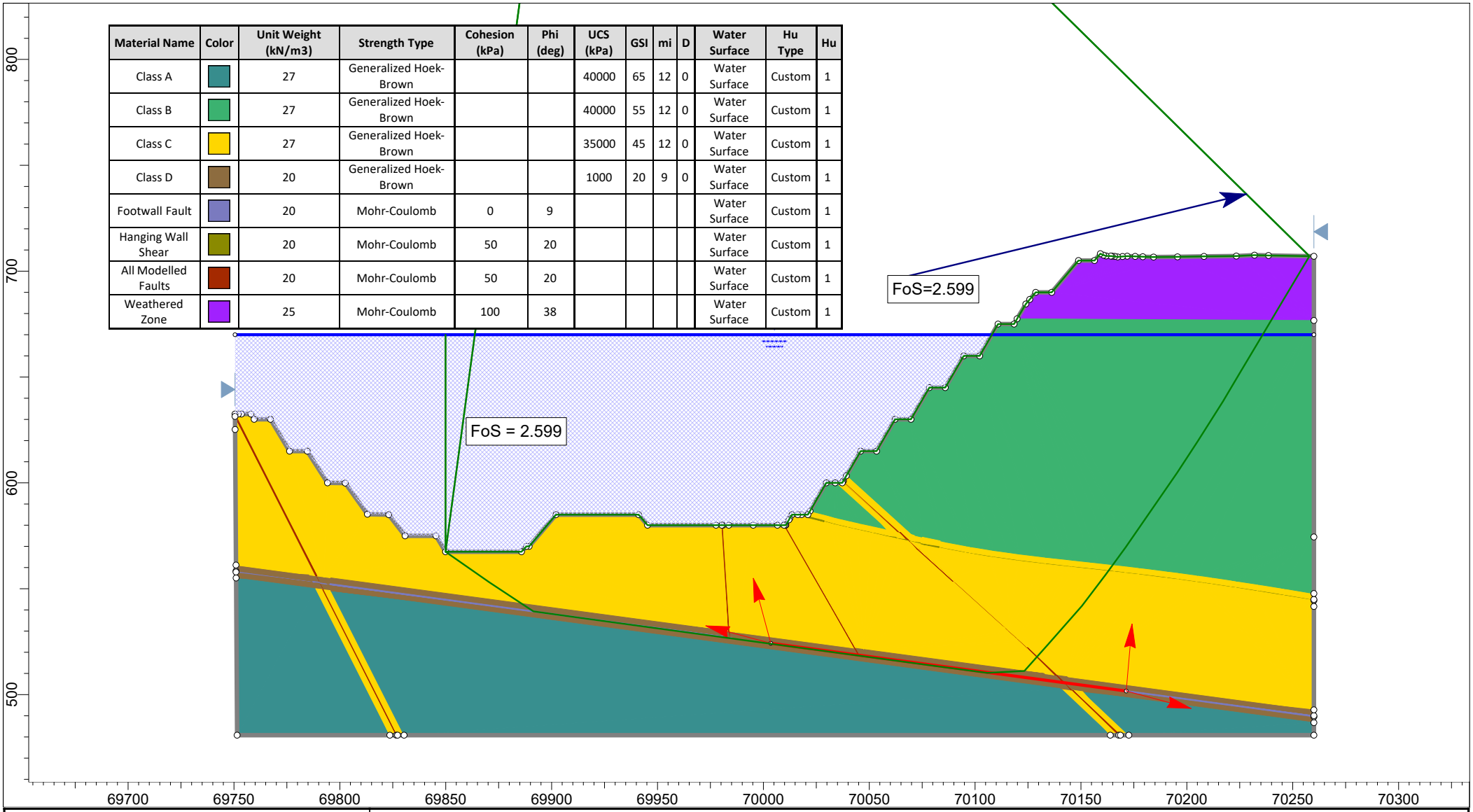
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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



Project	PSM0071 - Macraes		
Analysis Description	Wet - FWF		
Drawn By: DW	Scale: 1:2500	Company: PSM	
Date: 27/06/2022		File Name: Coronation Stage6 Section3_Run1.slmd	

SLIDEINTERPRET 9.014

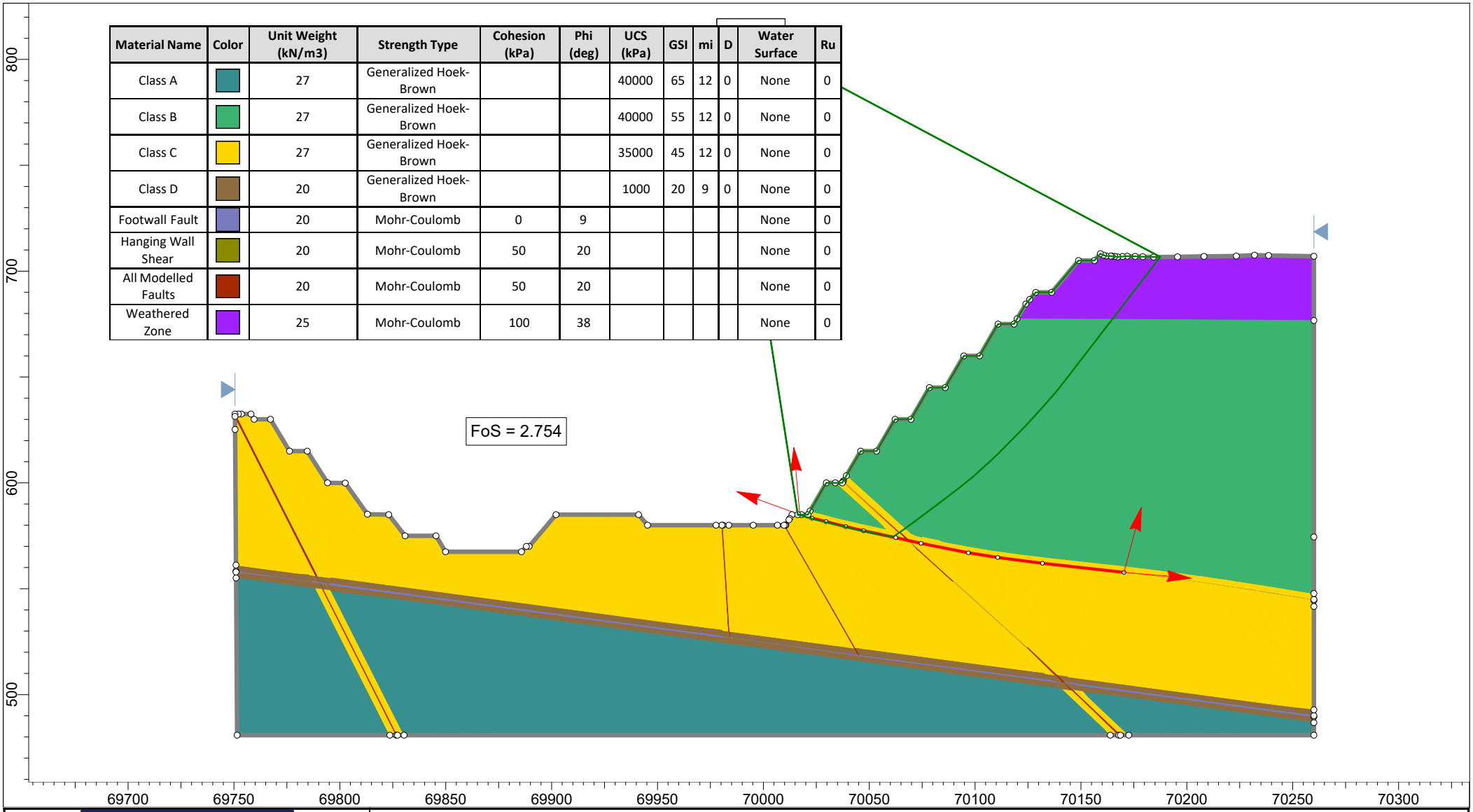
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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



SLIDEINTERPRET 9.022

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

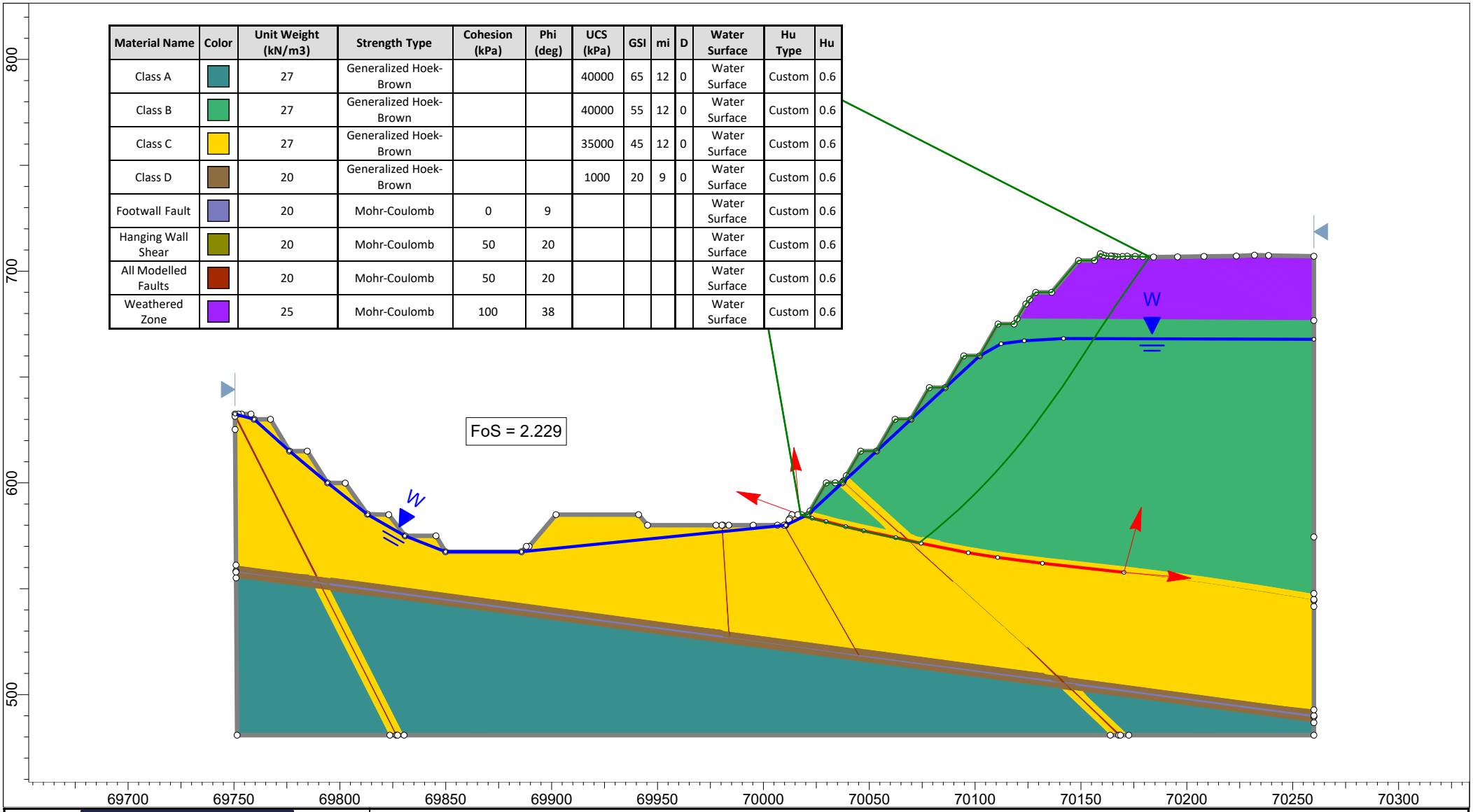
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Ru
Class A		27	Generalized Hoek-Brown			40000	65	12	0	None	0
Class B		27	Generalized Hoek-Brown			40000	55	12	0	None	0
Class C		27	Generalized Hoek-Brown			35000	45	12	0	None	0
Class D		20	Generalized Hoek-Brown			1000	20	9	0	None	0
Footwall Fault		20	Mohr-Coulomb	0	9					None	0
Hanging Wall Shear		20	Mohr-Coulomb	50	20					None	0
All Modelled Faults		20	Mohr-Coulomb	50	20					None	0
Weathered Zone		25	Mohr-Coulomb	100	38					None	0



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

SLIDEINTERPRET 9.014

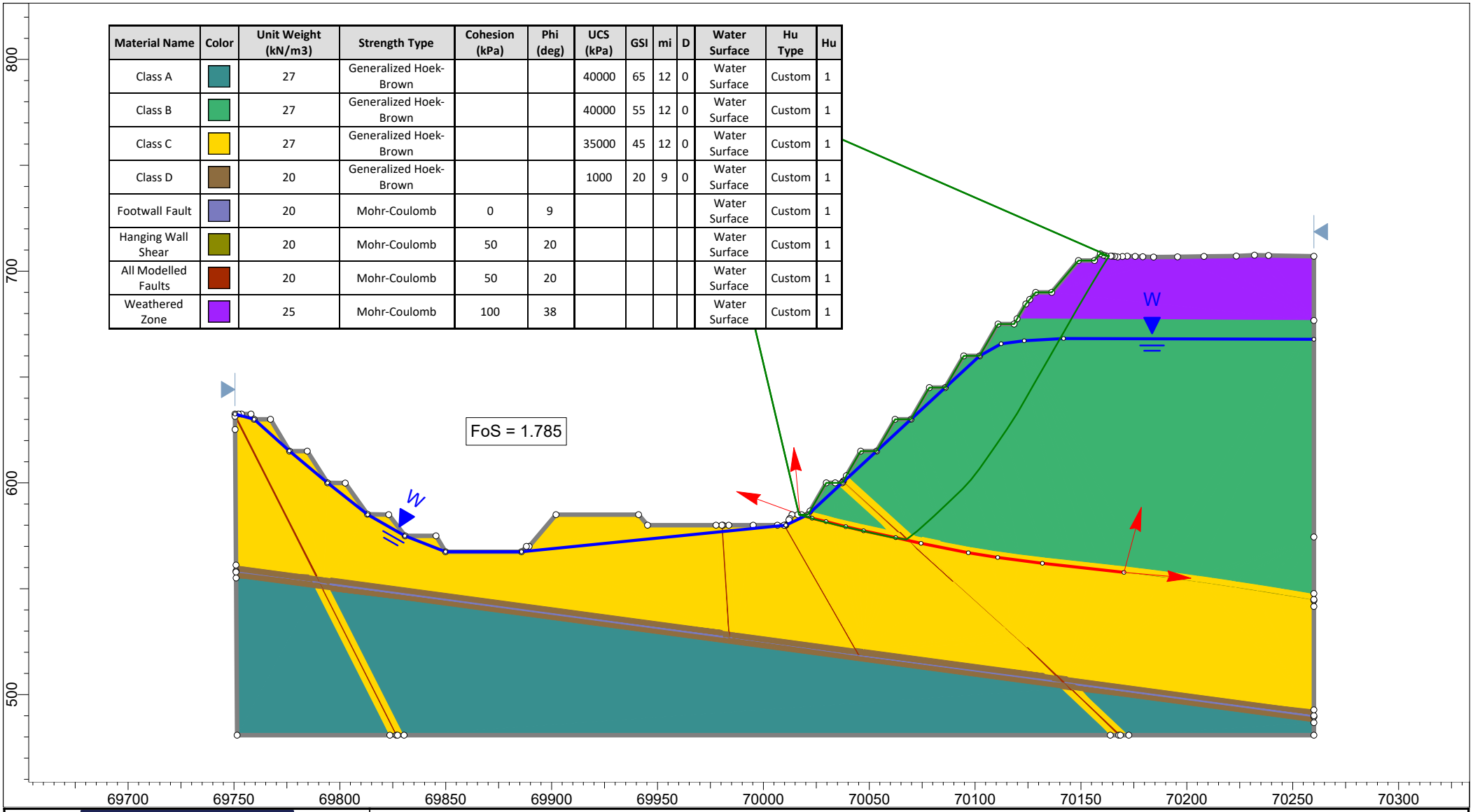
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	0.6
Class C		27	Generalized Hoek-Brown			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



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 9.014

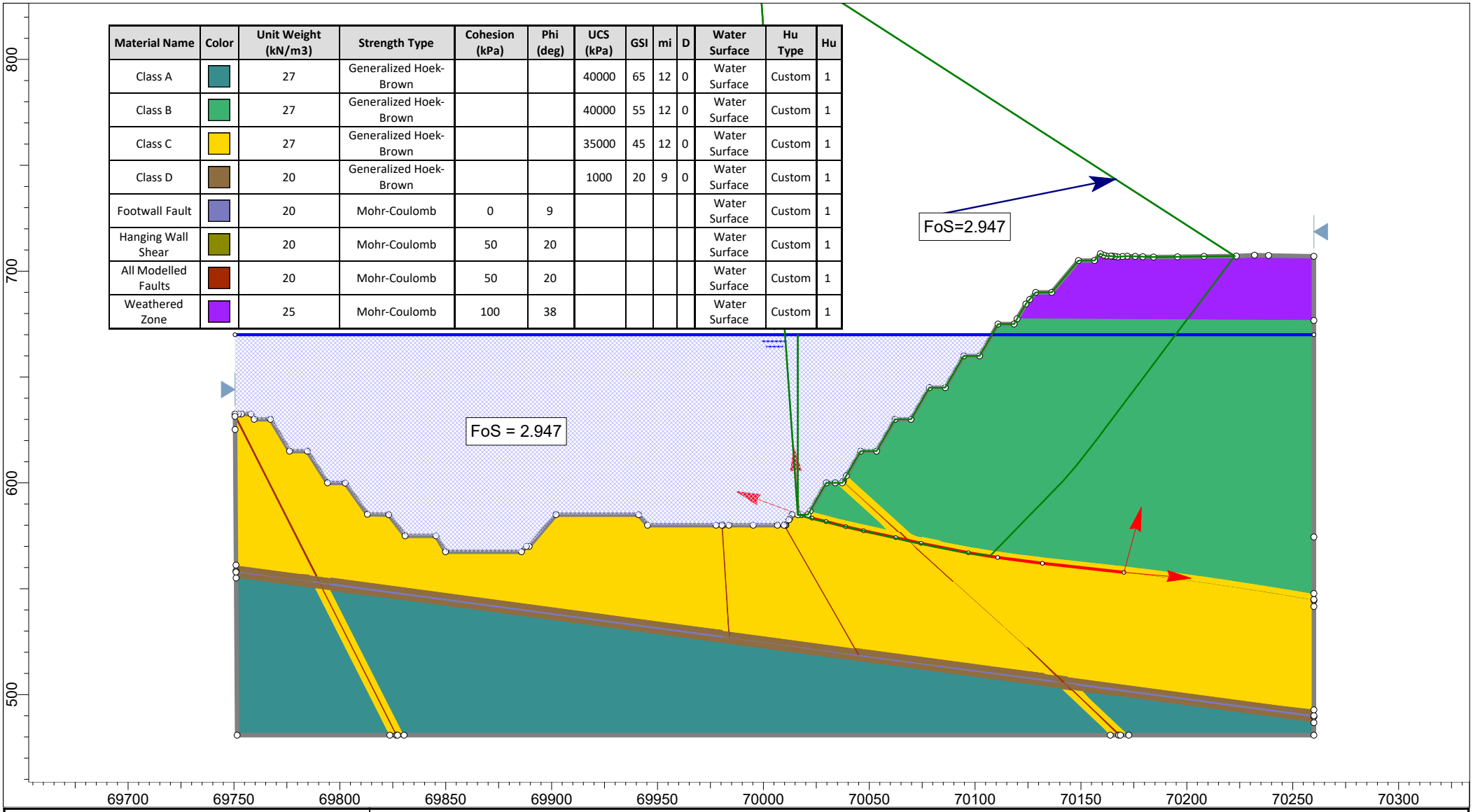
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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



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	

SLIDEINTERPRET 9.014

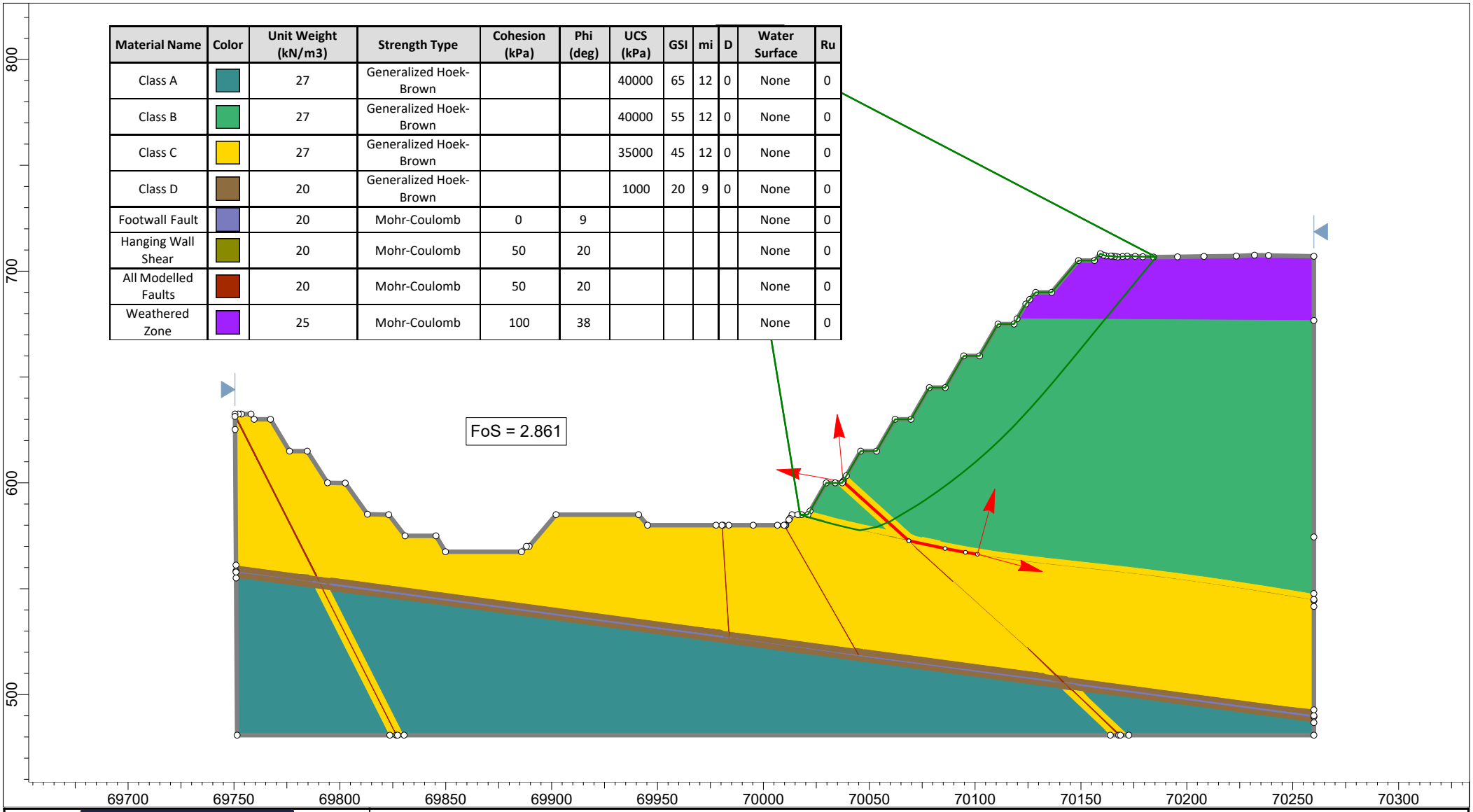
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Class C		27	Generalized Hoek-Brown			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



SLIDEINTERPRET 9.022

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

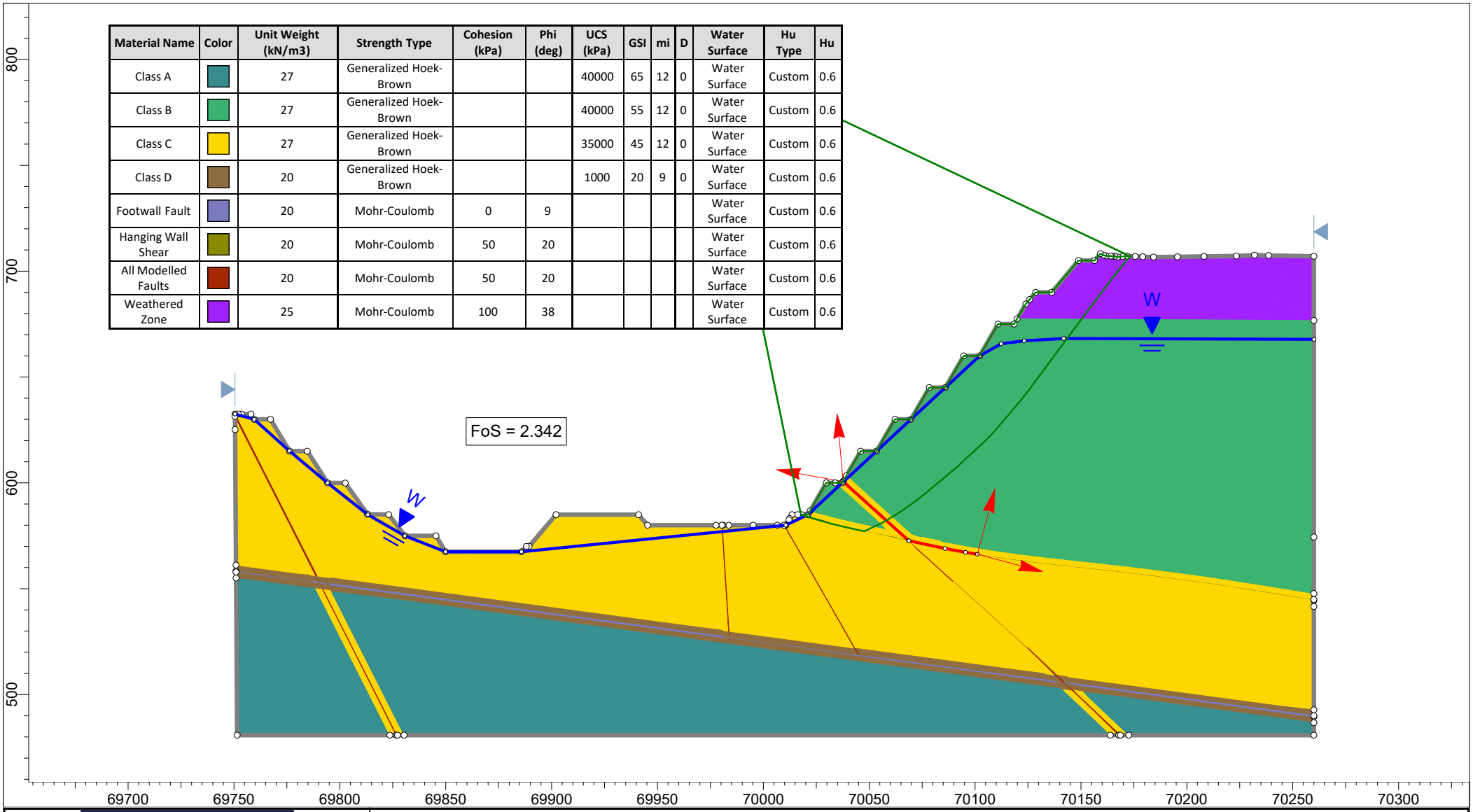
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Ru
Class A		27	Generalized Hoek-Brown			40000	65	12	0	None	0
Class B		27	Generalized Hoek-Brown			40000	55	12	0	None	0
Class C		27	Generalized Hoek-Brown			35000	45	12	0	None	0
Class D		20	Generalized Hoek-Brown			1000	20	9	0	None	0
Footwall Fault		20	Mohr-Coulomb	0	9					None	0
Hanging Wall Shear		20	Mohr-Coulomb	50	20					None	0
All Modelled Faults		20	Mohr-Coulomb	50	20					None	0
Weathered Zone		25	Mohr-Coulomb	100	38					None	0



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

SLIDEINTERPRET 7.014

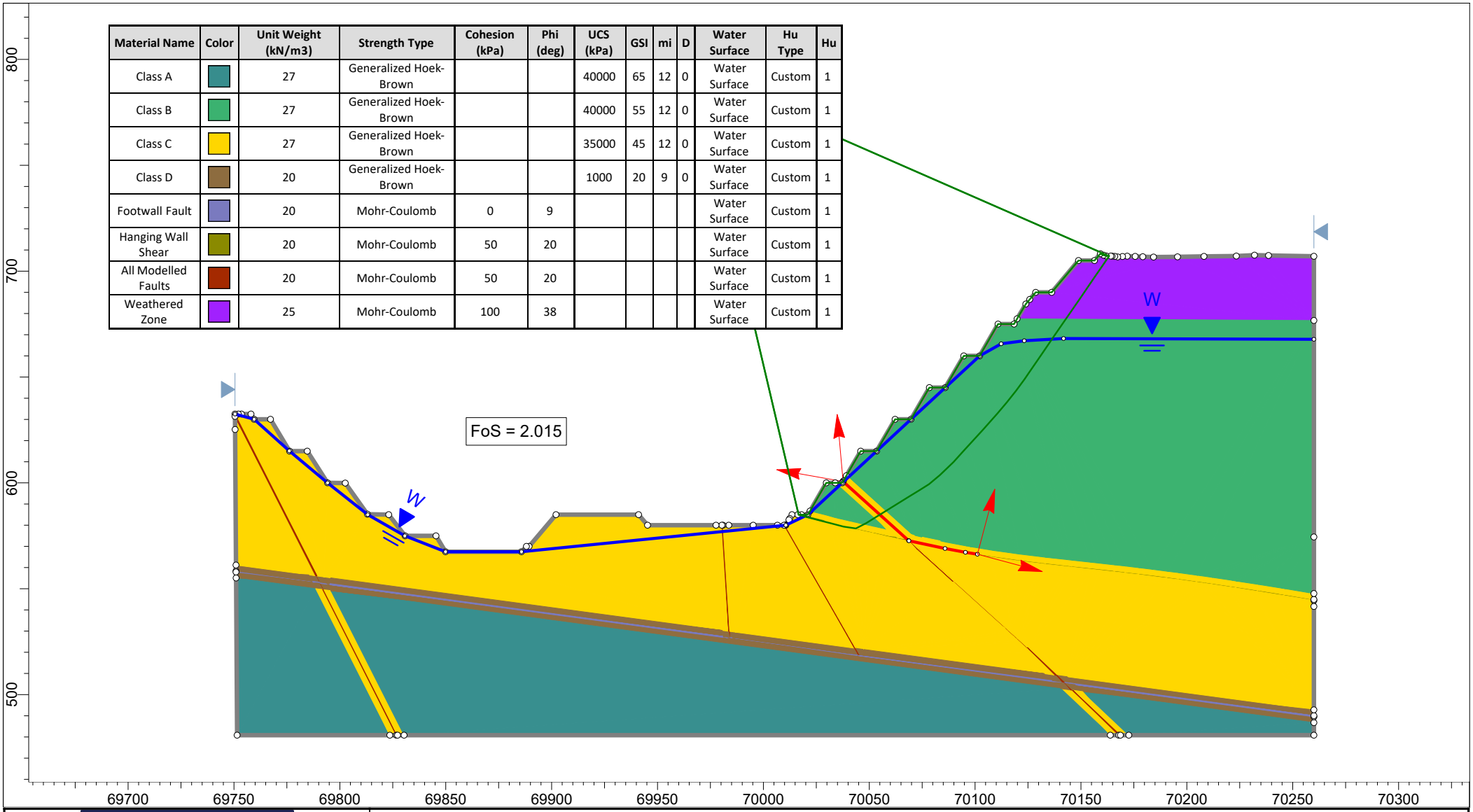
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	0.6
Class C		27	Generalized Hoek-Brown			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



Project	PSM0071 - Macraes		
Analysis Description	Hu=0.6 HWS wedge		
Drawn By: DW	Scale: 1:2500	Company: PSM	
Date: 5/07/2022		File Name: Coronation Stage6 Section3_Run1.slmd	

SLIDEINTERPRET 2014

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

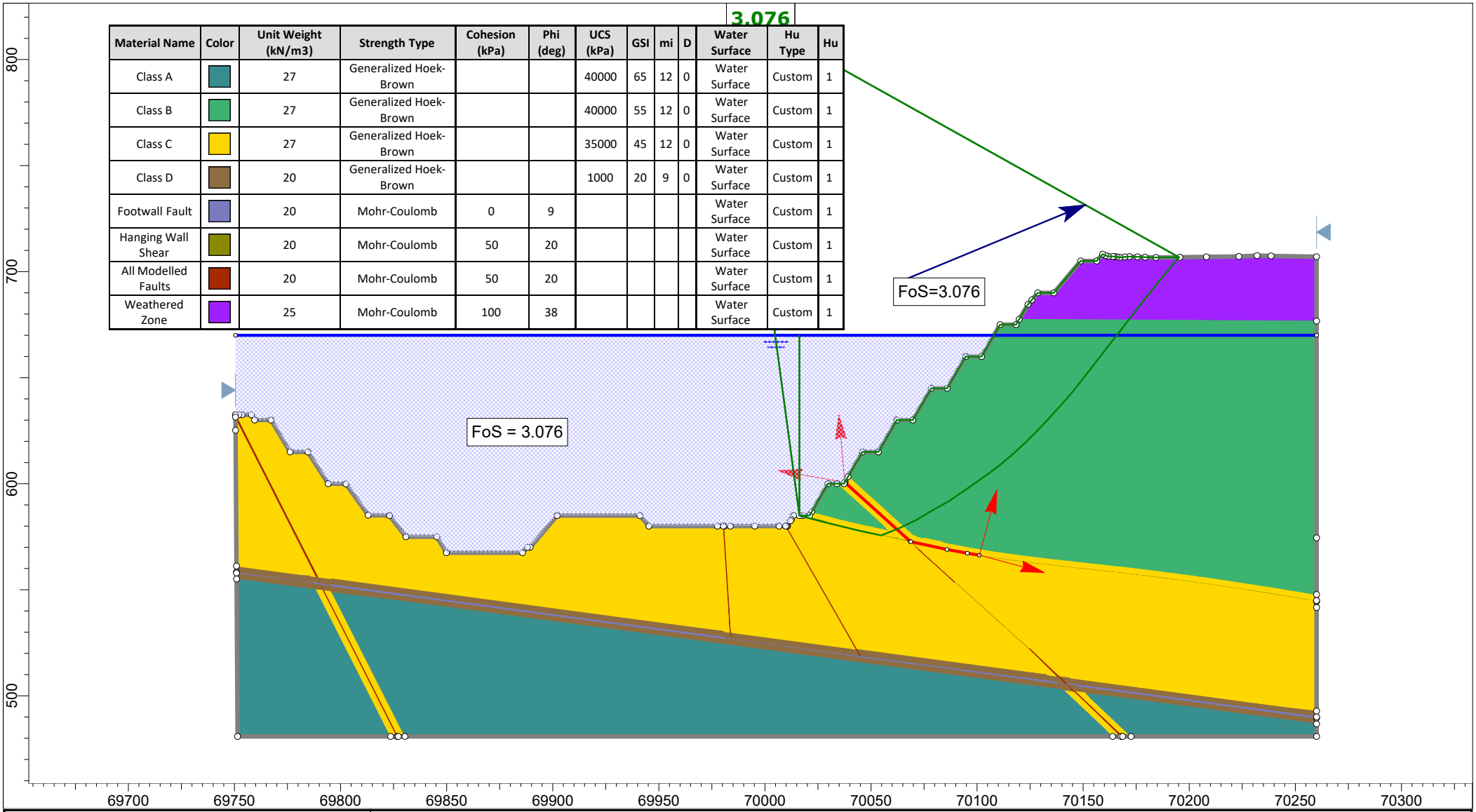


Project	PSM0071 - Macraes		
Analysis Description	Wet - HWS wedge		
Drawn By: DW	Scale: 1:2500	Company: PSM	
Date: 5/07/2022		File Name: Coronation Stage6 Section3_Run1.slmd	

SLIDEINTERPRET 9.014

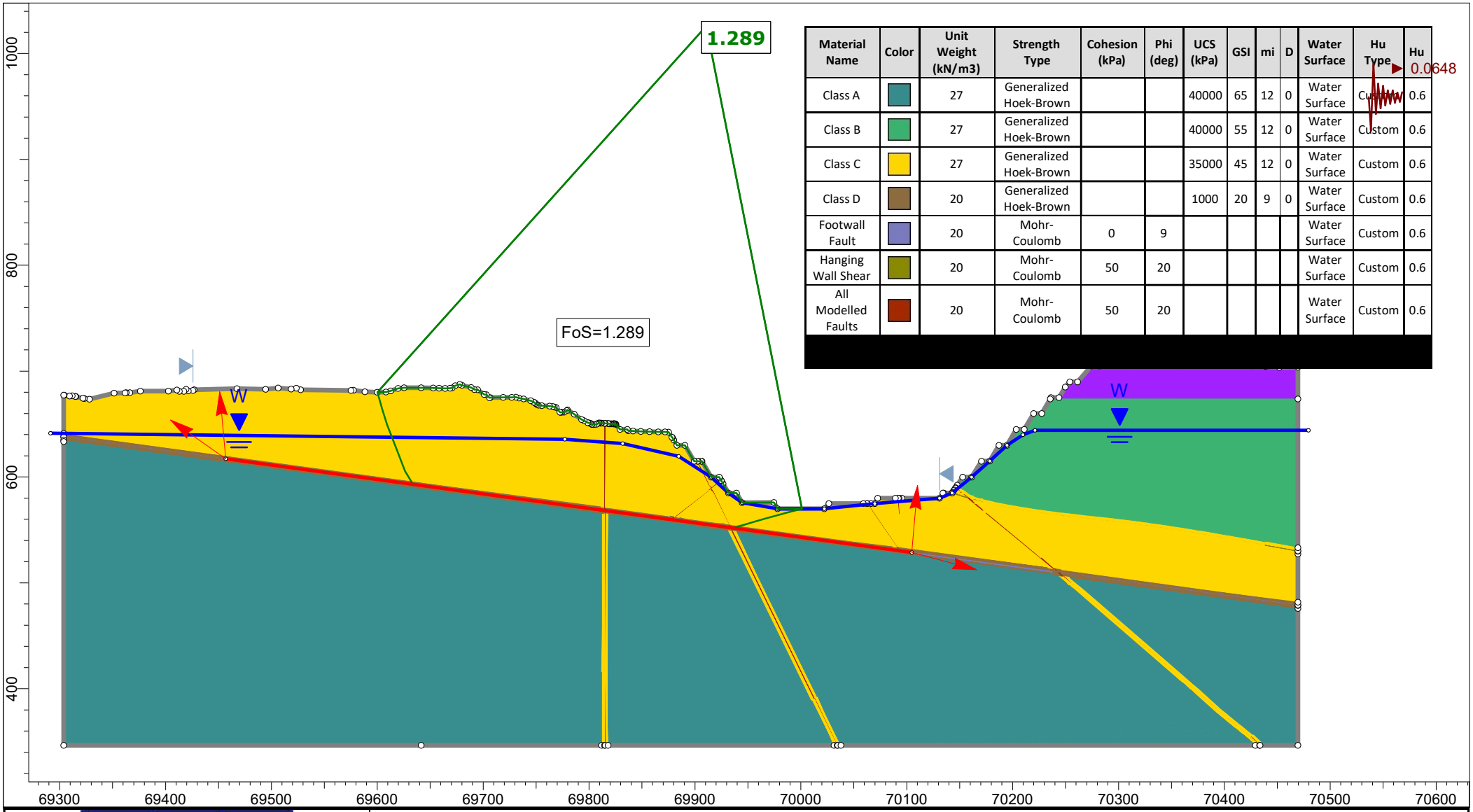
3.076

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



SLIDEINTERPRET 9.022

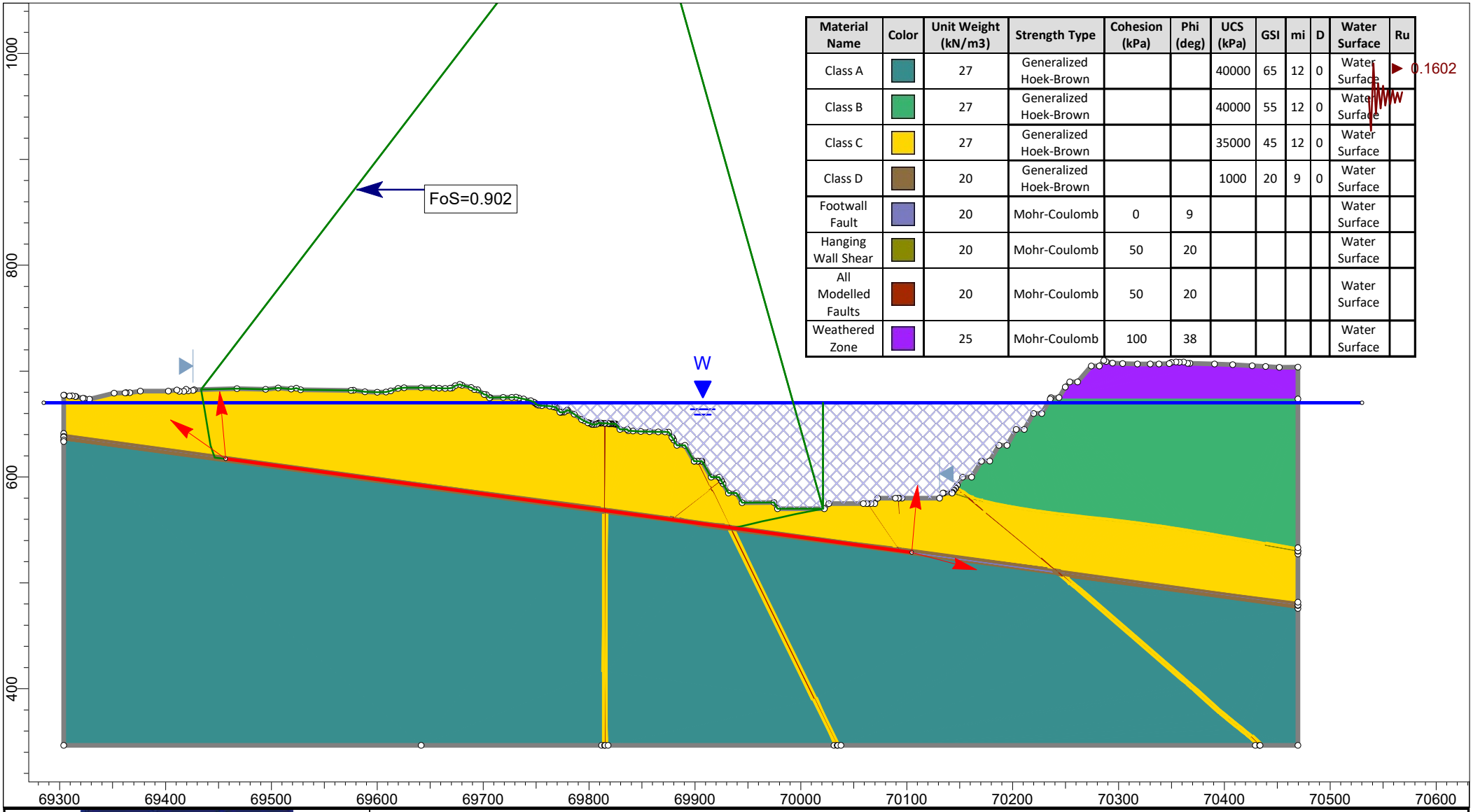
Project	PSM0071 - Macraes		
Analysis Description	Pit Water HWS wedge		
Drawn By	HG	*Scale* 1:2500	*Company* PSM
Date			*File Name* Coronation Stage6 Section3_Run1_HG.slmd



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	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

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.slmd

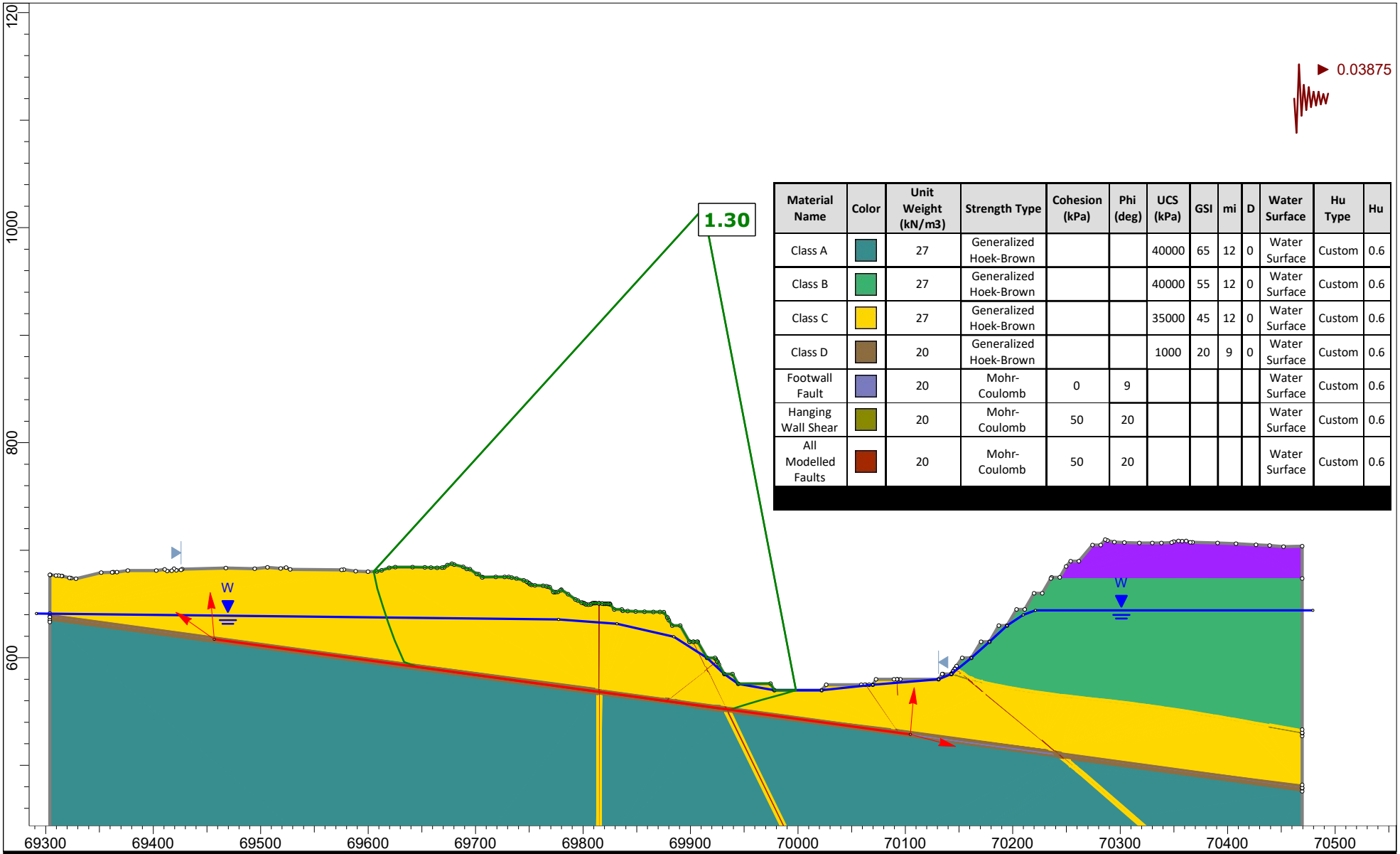
SLIDEINTERPRET 9.019



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

Project	PSM0071 - Macraes		
Analysis Description	Hu=1.0 Pit Lake - FWF_SC=0.1602		
Drawn By	DW	*Scale* 1:5000	*Company* PSM
Date	7/07/2022		*File Name* Coronation Stage6 Section1_Run1.slmd

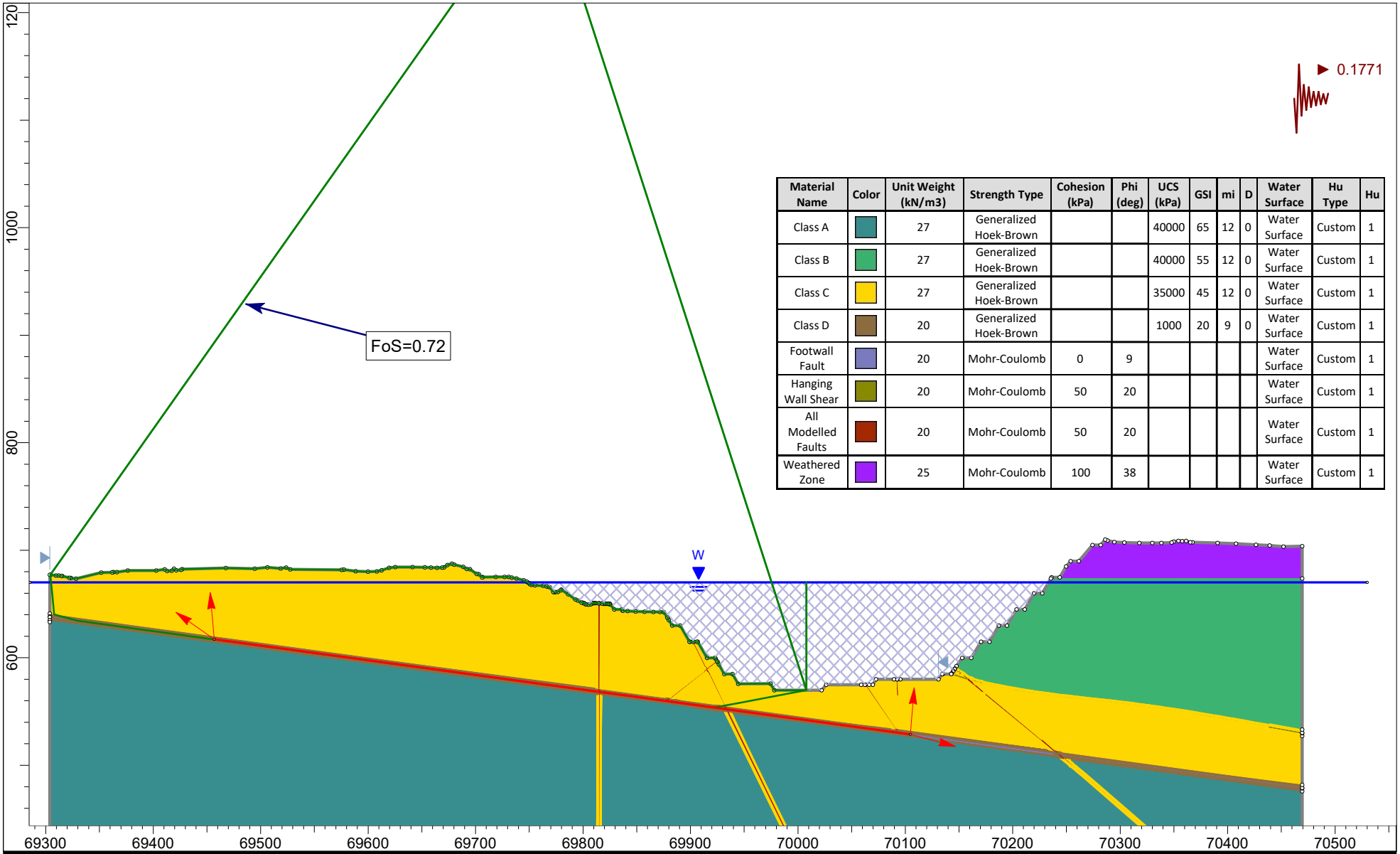
SLIDEINTERPRET 9.019



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	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

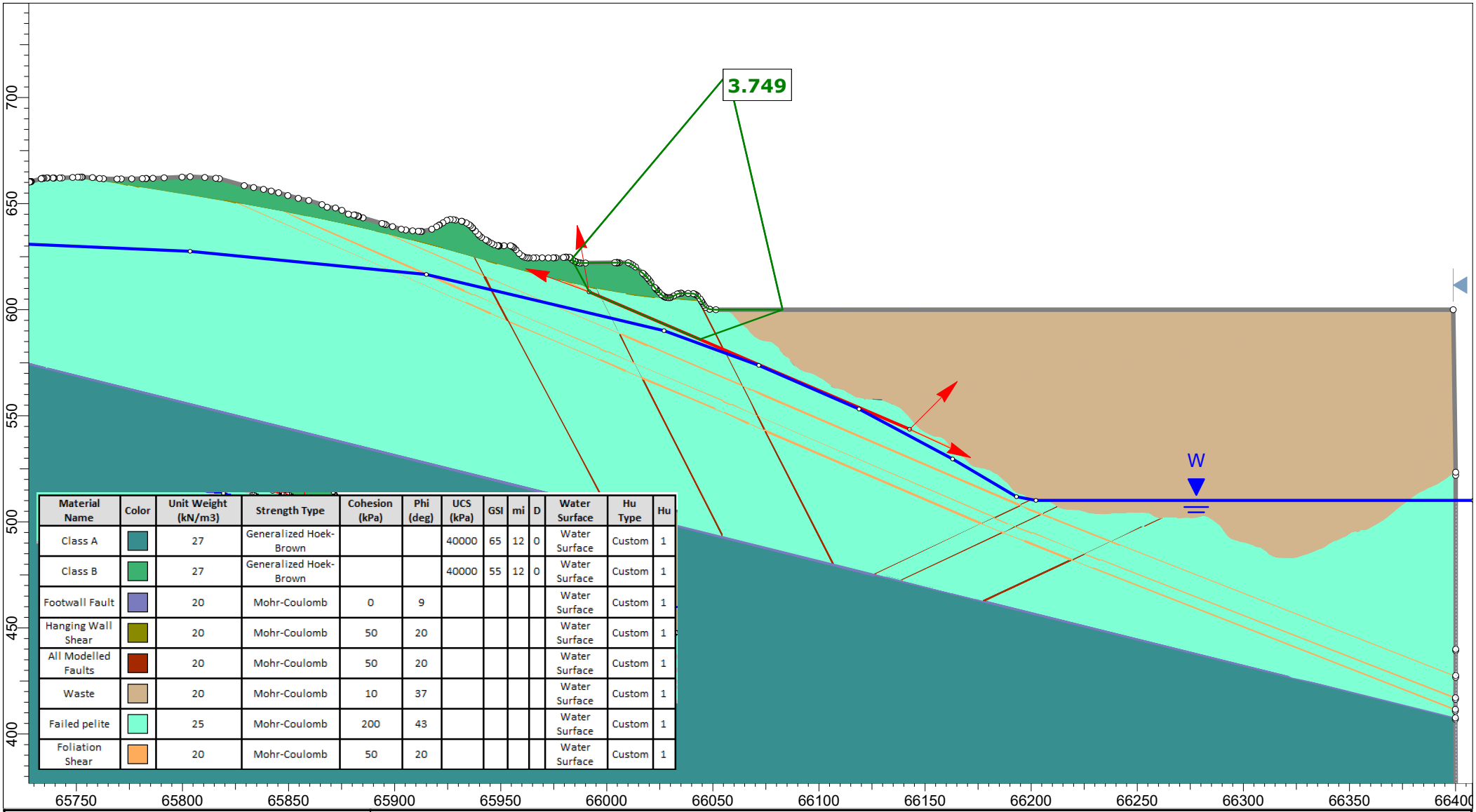
Client:	**OceanaGold Corporation**
Project:	**Macraes Phase 4 (MP4) Development**
Location:	**Coronation**
Analysis description:	**Coronation Stage6 Section1_NSHM.slmd - Hu=0.6 FWF_SC=0.03875, Master Scenario**

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	**JS**	**23/03/2023**	**1:5000**	**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	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	

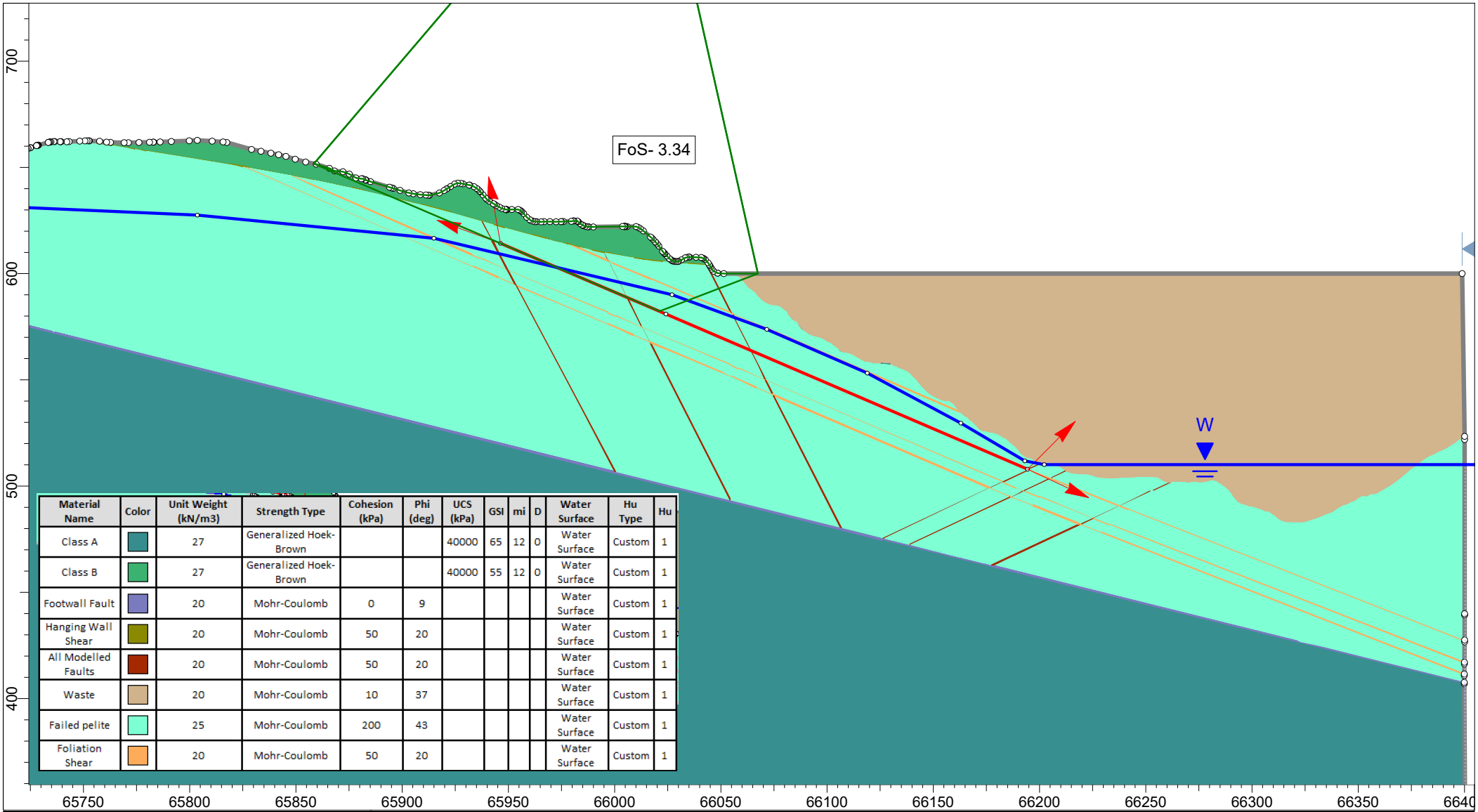


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL Static

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	AWT Foliation Shear

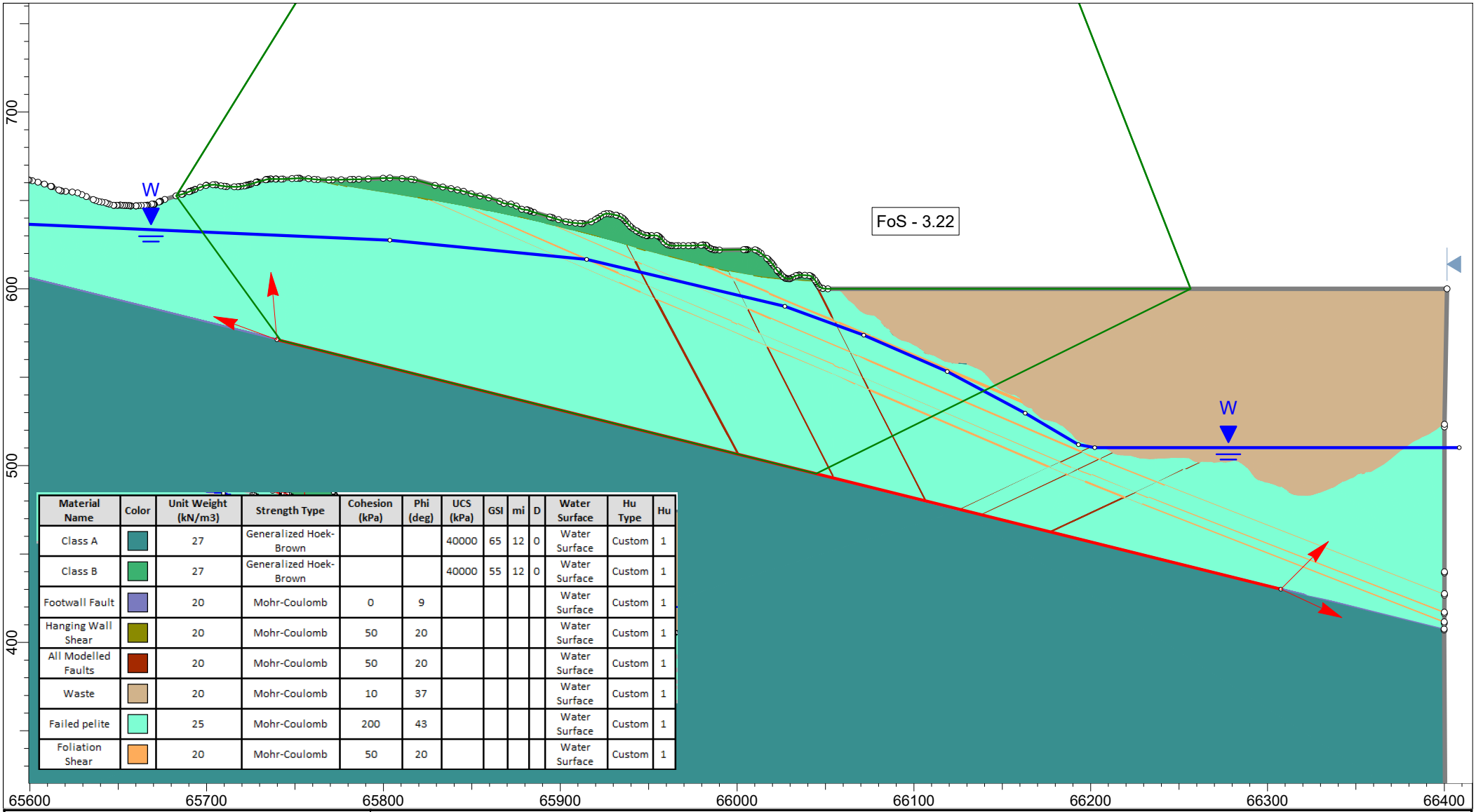


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL Static

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	BWT Foliation Shear

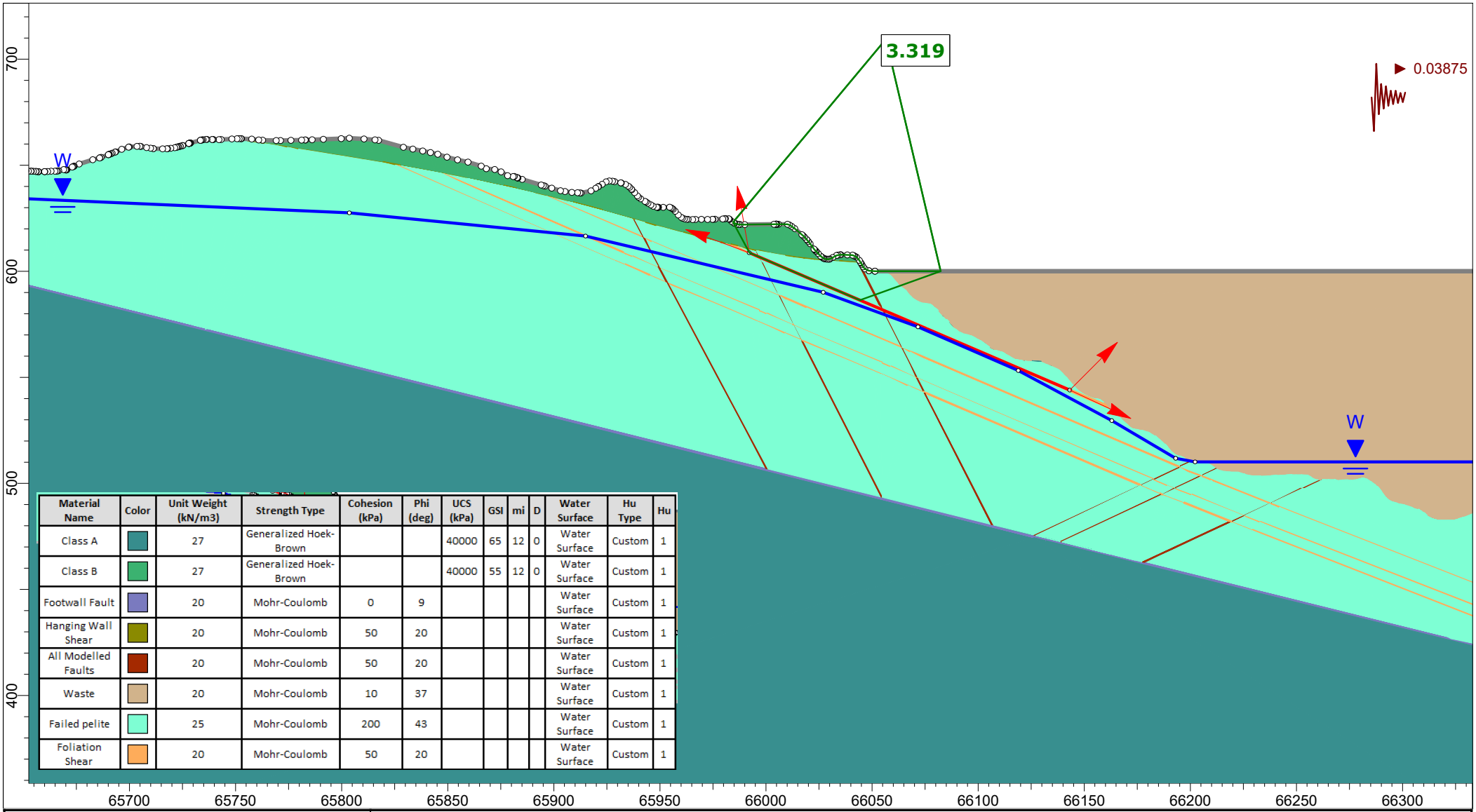


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL Static

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	13/08/2024	1:3000	Planar Sliding FF

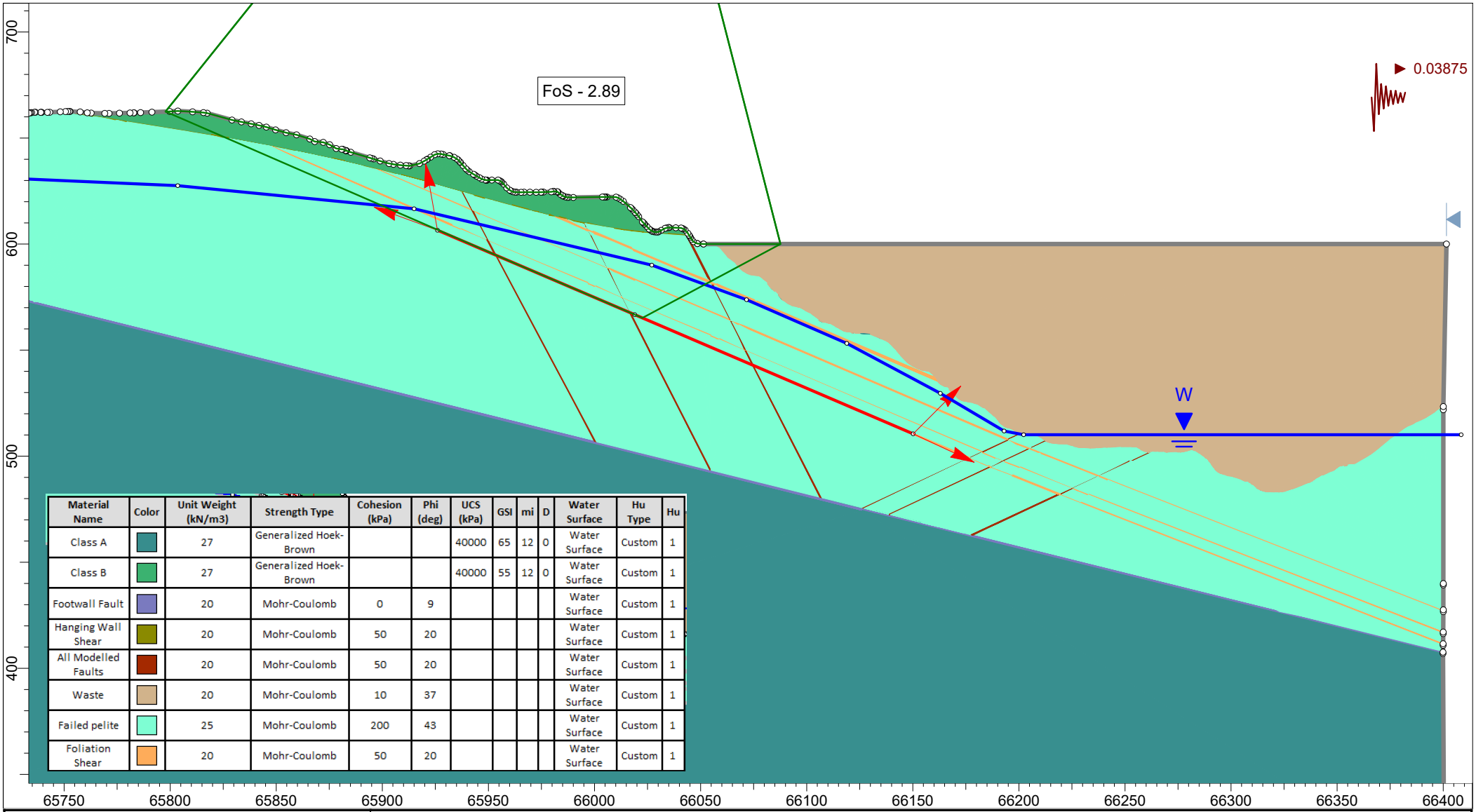


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL OBE

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	AWT Foliation Shear

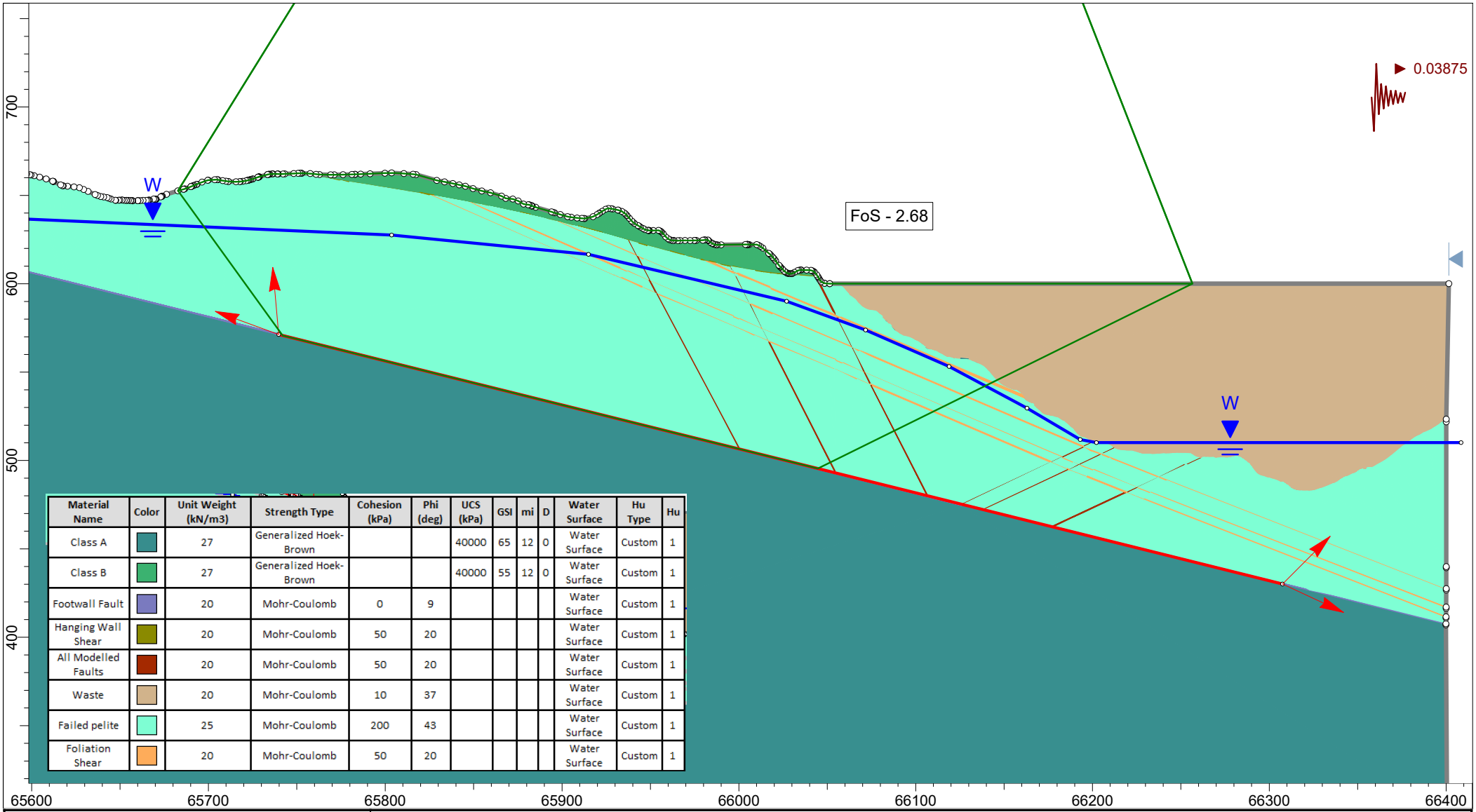


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL OBE

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	BWT Foliation Shear

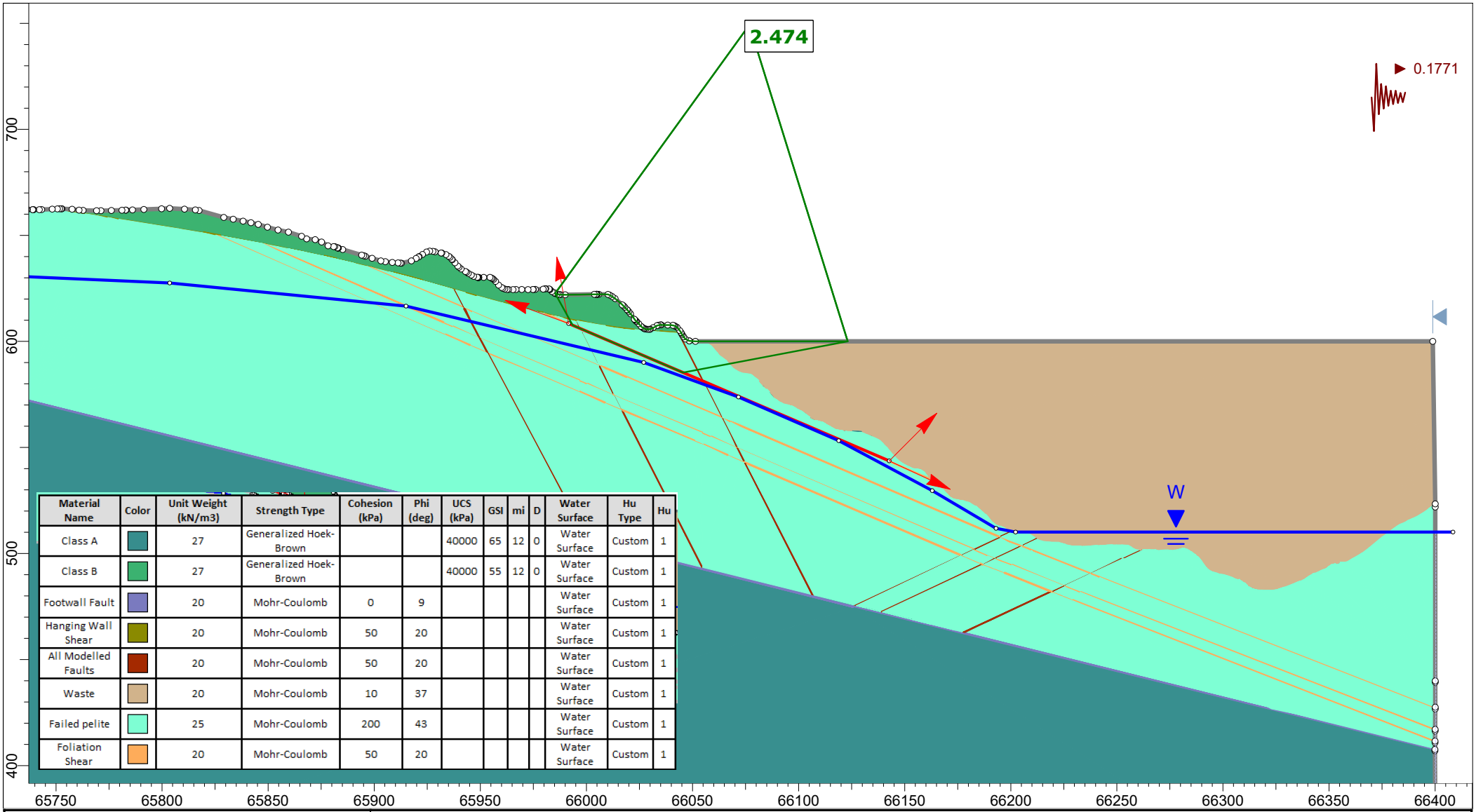


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL OBE

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	13/08/2024	1:3000	Planar Sliding FF

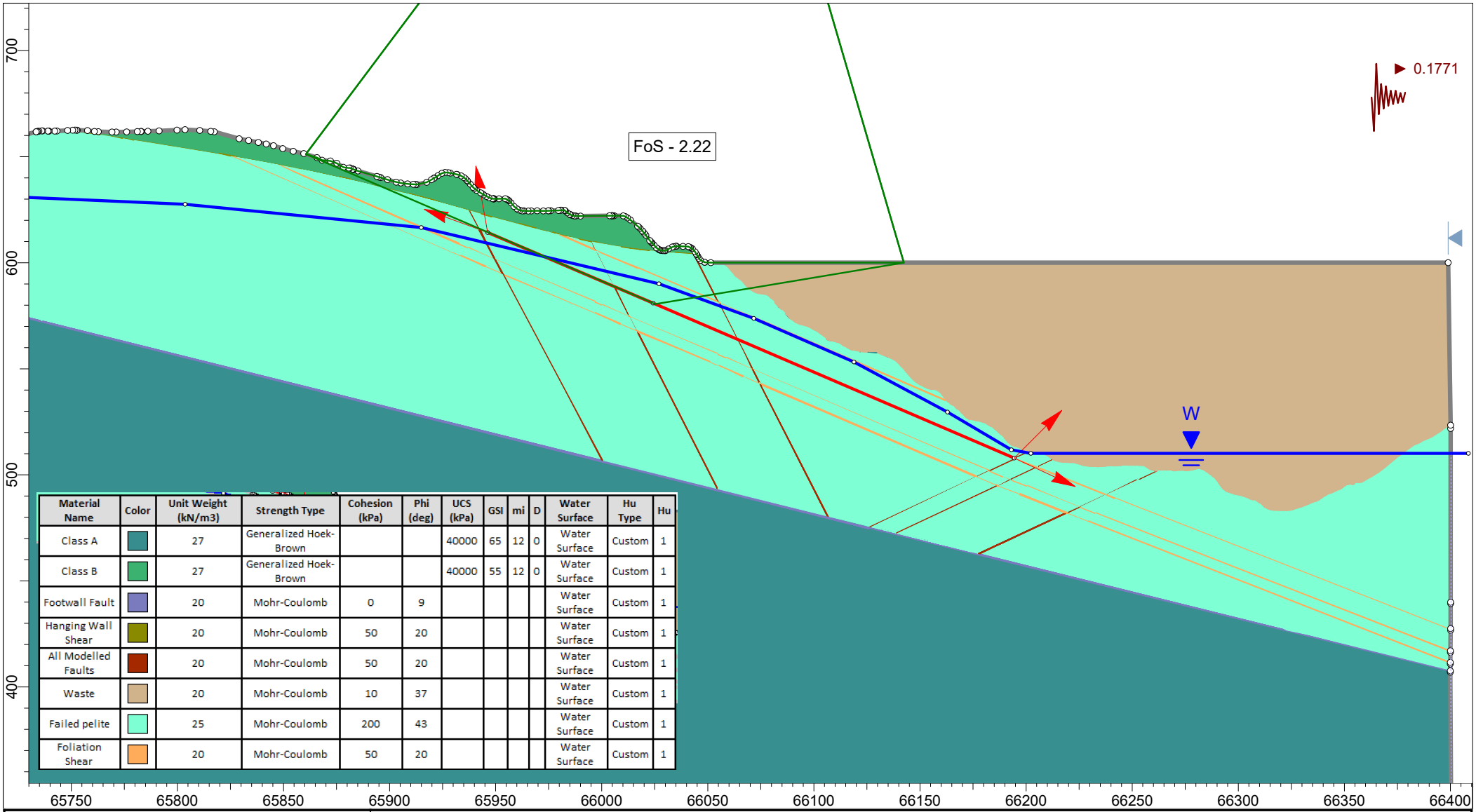


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL MDE

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	AWT Foliation Shear

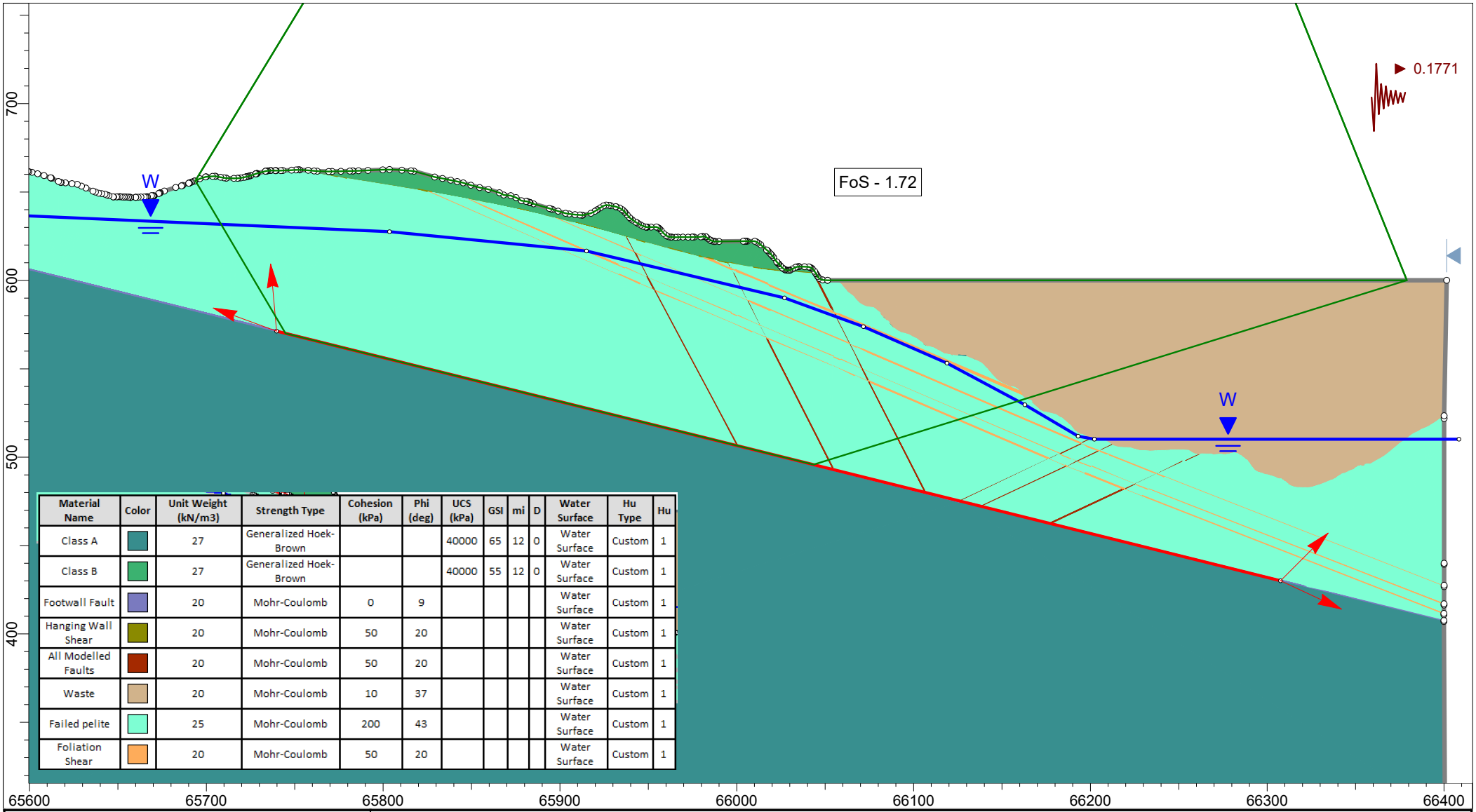


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL MDE

Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	12/08/2024	1:2500	BWT Foliation Shear



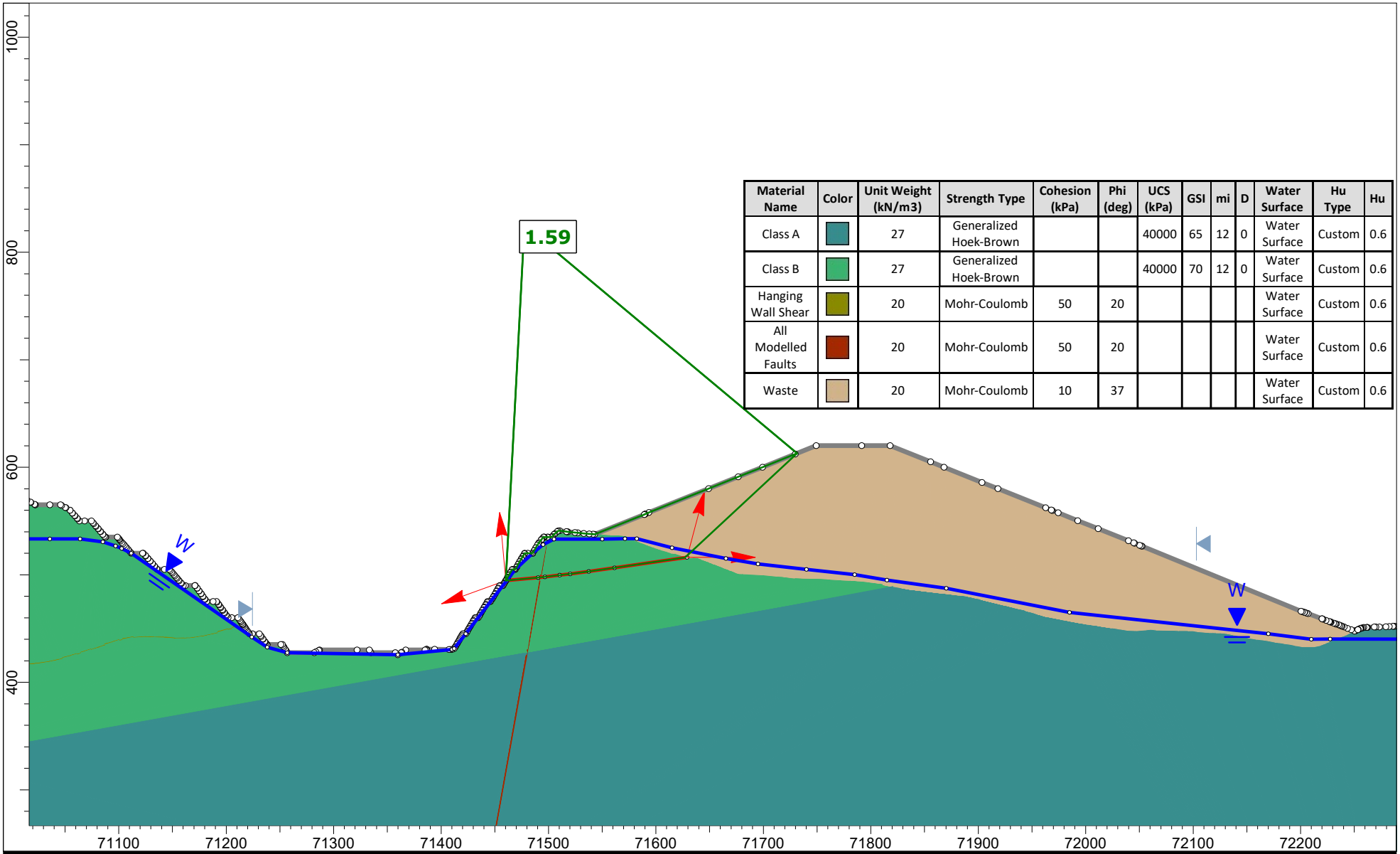
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	55	12	0	Water Surface	Custom	1
Footwall Fault		20	Mohr-Coulomb	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
Waste		20	Mohr-Coulomb	10	37					Water Surface	Custom	1
Failed pelite		25	Mohr-Coulomb	200	43					Water Surface	Custom	1
Foliation Shear		20	Mohr-Coulomb	50	20					Water Surface	Custom	1

SLIDEINTERPRET 9.027

Client:	OceanaGold
Project:	Macraes Phase 4 Consenting
Location:	Coronation North Backfill - Southwest slope
Analysis description:	Backfill - 600 mRL MDE

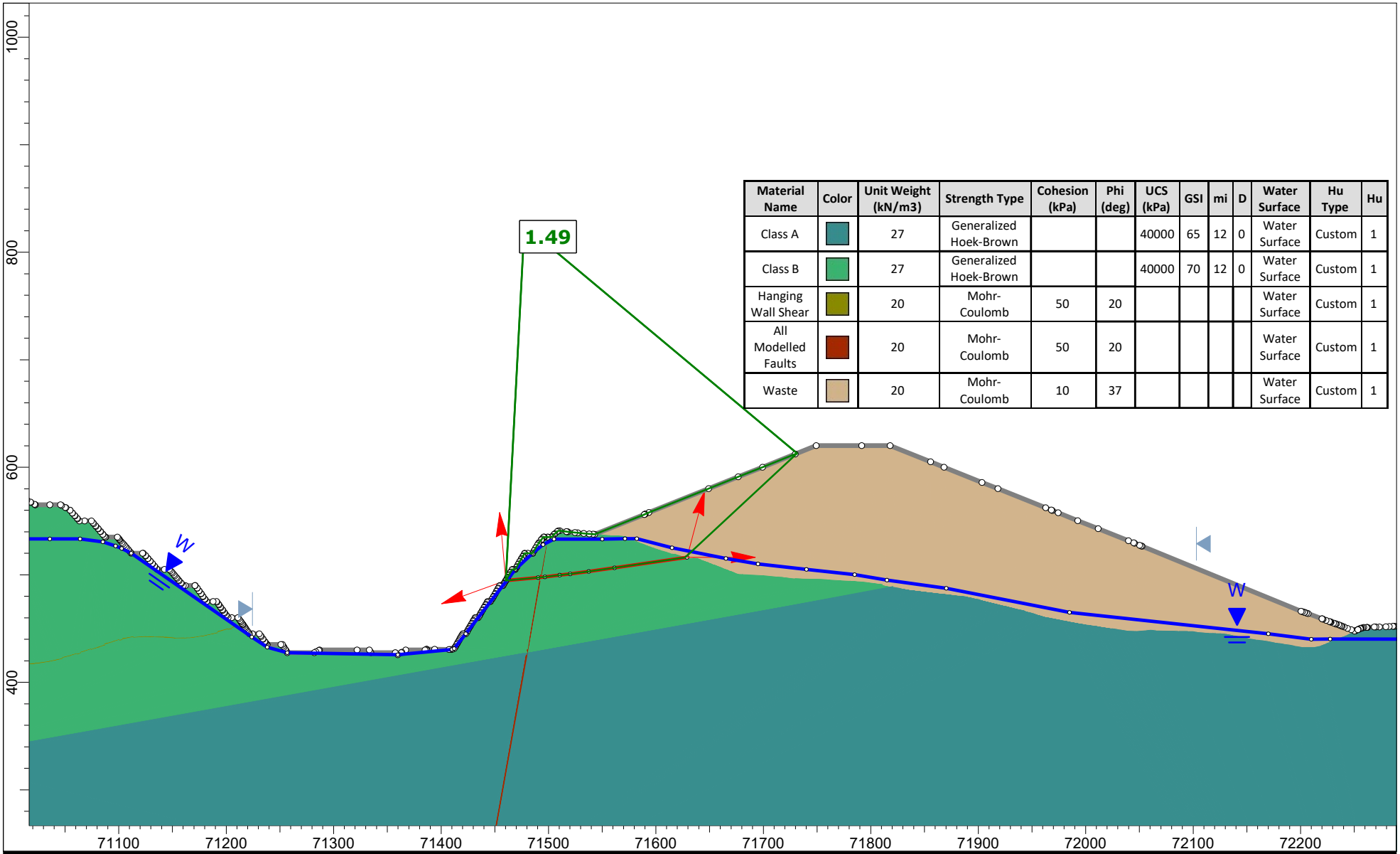
Job No:	By:	Date:	Scale:	Run ID:
PSM71	KH	13/08/2024	1:3000	Planar Sliding FF

Appendix F
Golden Bar Stage 2 2D Stability Analyses



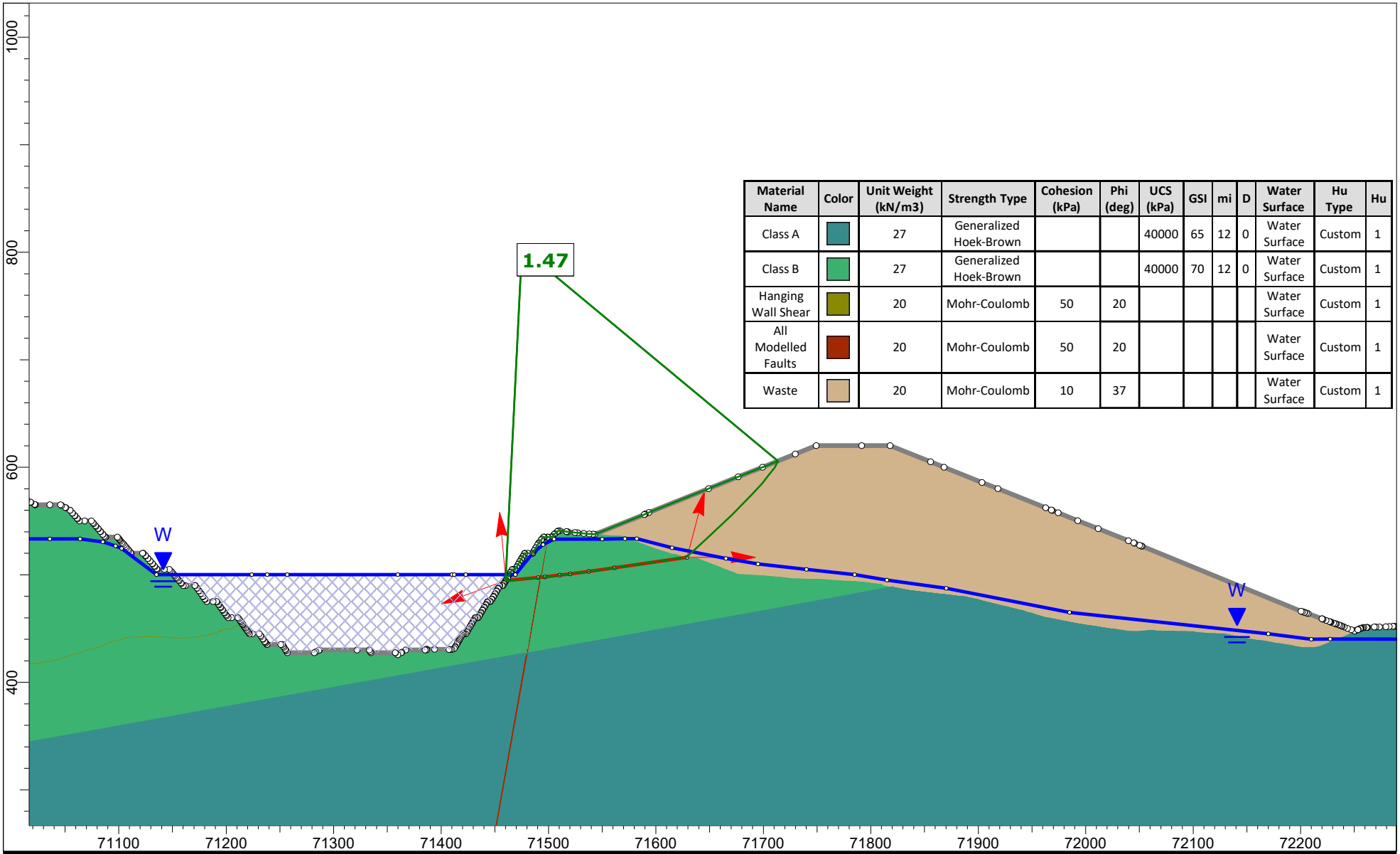
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb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

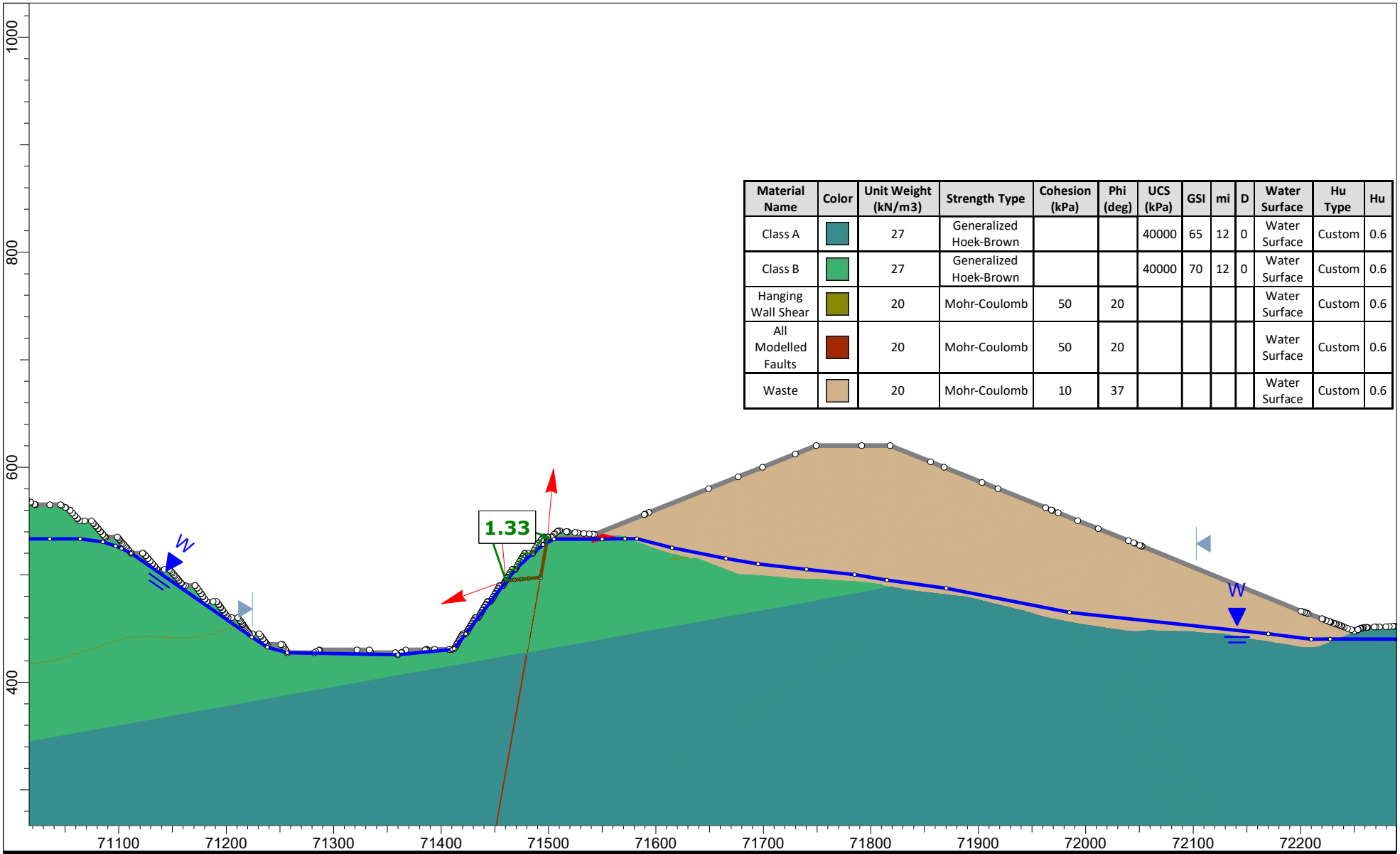
Client:	OceanaGold Corporation				
Project:	Macraes Phase 4 (MP4) Development				
Location:	Golden Bar				
Analysis description:	Golden Bar Section 1.slmd - Hu=1.0 North Wall - HWS, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	



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

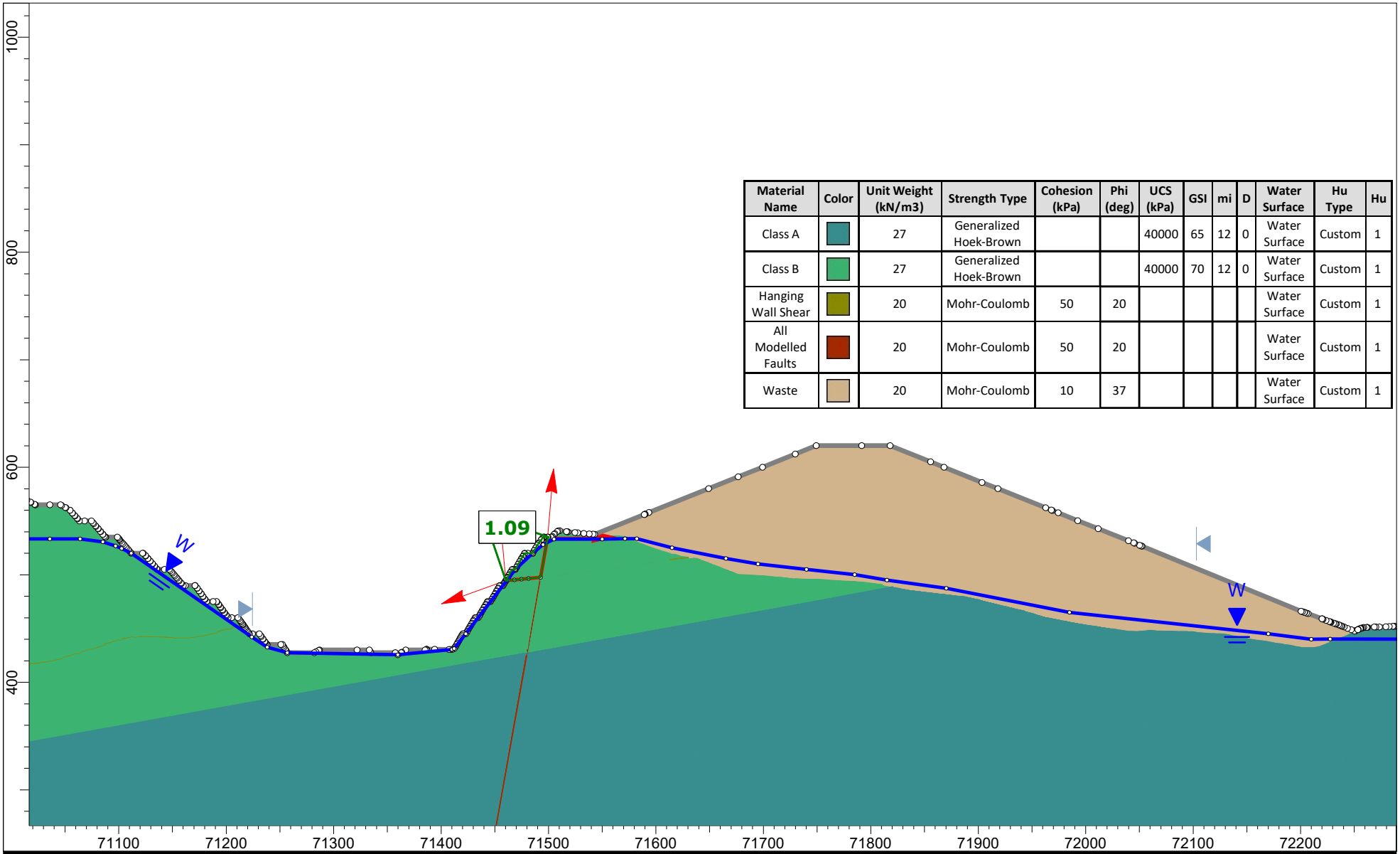
Client:	OceanaGold Corporation				
Project:	Macraes Phase 4 (MP4) Development				
Location:	Golden Bar				
Analysis description:	Golden Bar Section 1.slmd - Pit Lake North Wall - HWS, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	

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	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

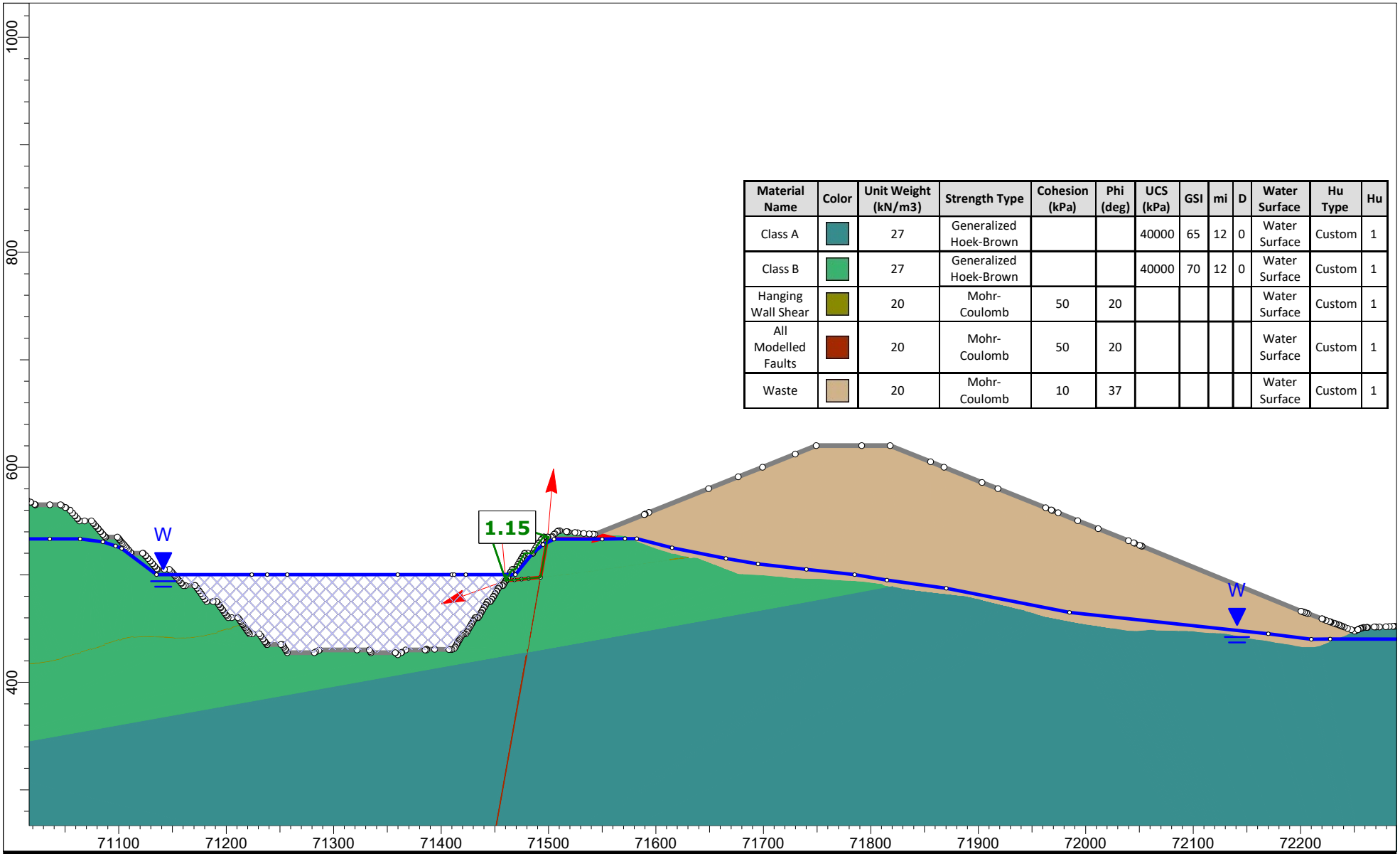


Client:	OceanaGold Corporation				
Project:	Macraes Phase 4 (MP4) Development				
Location:	Golden Bar				
Analysis description:	Golden Bar Section 1.slmd - Hu=0.6 North Wall - Block Slide, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	

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



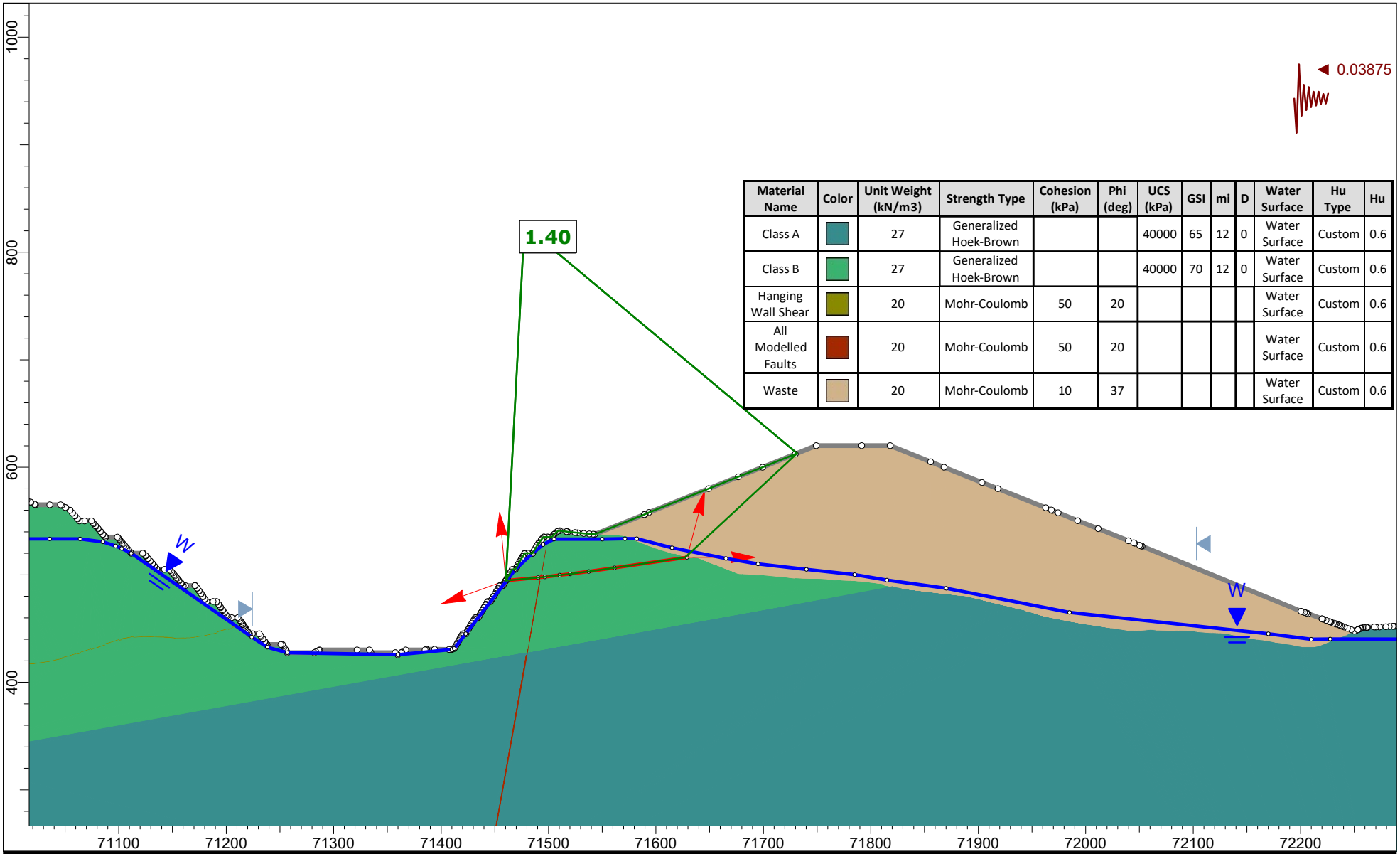
Client:	OceanaGold Corporation				
Project:	Macraes Phase 4 (MP4) Development				
Location:	Golden Bar				
Analysis description:	Golden Bar Section 1.slmd - Hu=1.0 North Wall - Block Slide, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	



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

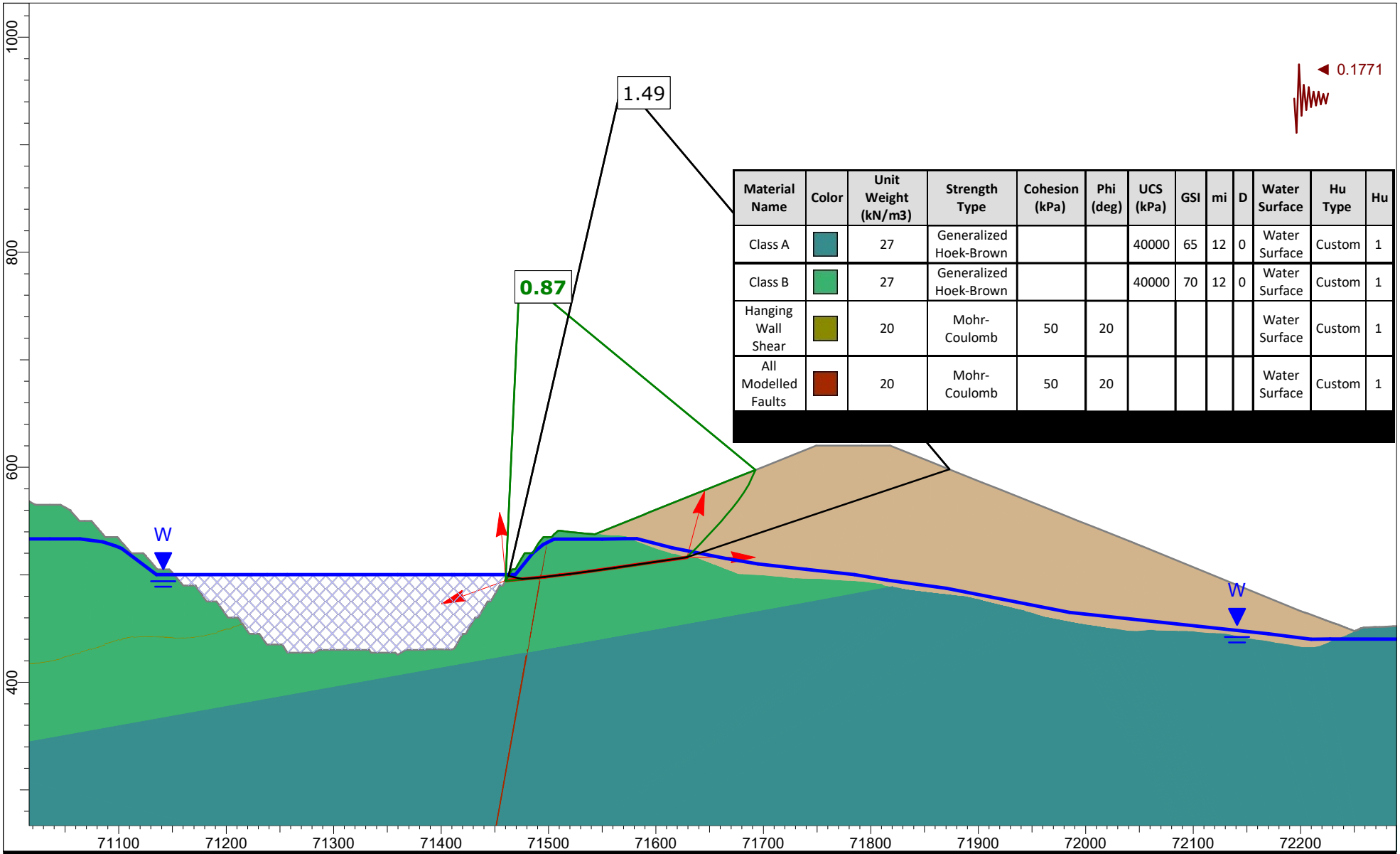
Client:	OceanaGold Corporation
Project:	Macraes Phase 4 (MP4) Development
Location:	Golden Bar
Analysis description:	Golden Bar Section 1.slmd - Pit Lake North Wall - Block Slide, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	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 1.slmd - Hu=0.6 North Wall - HWS_SC=0.03875, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	

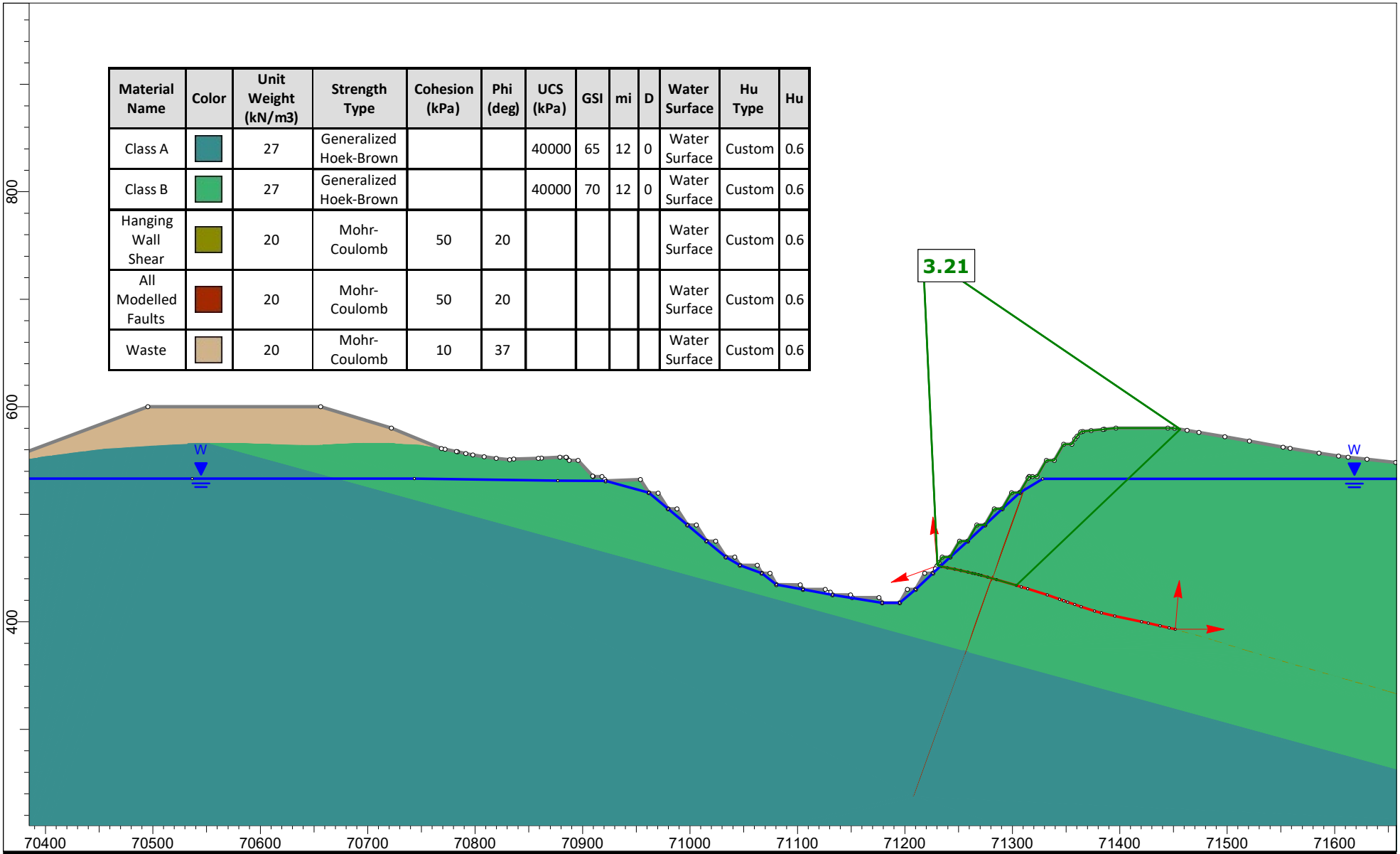


Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb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

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

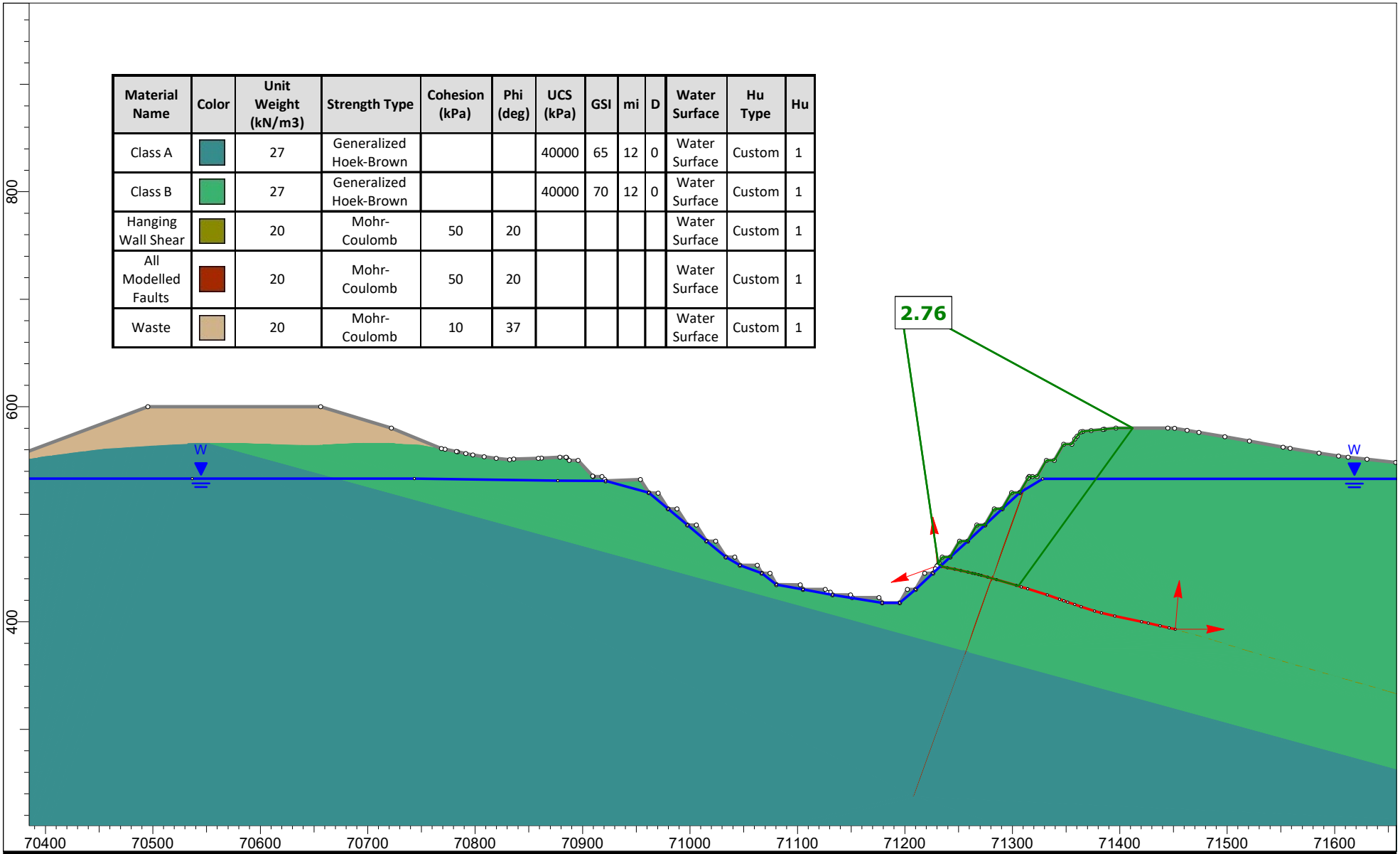
Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

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



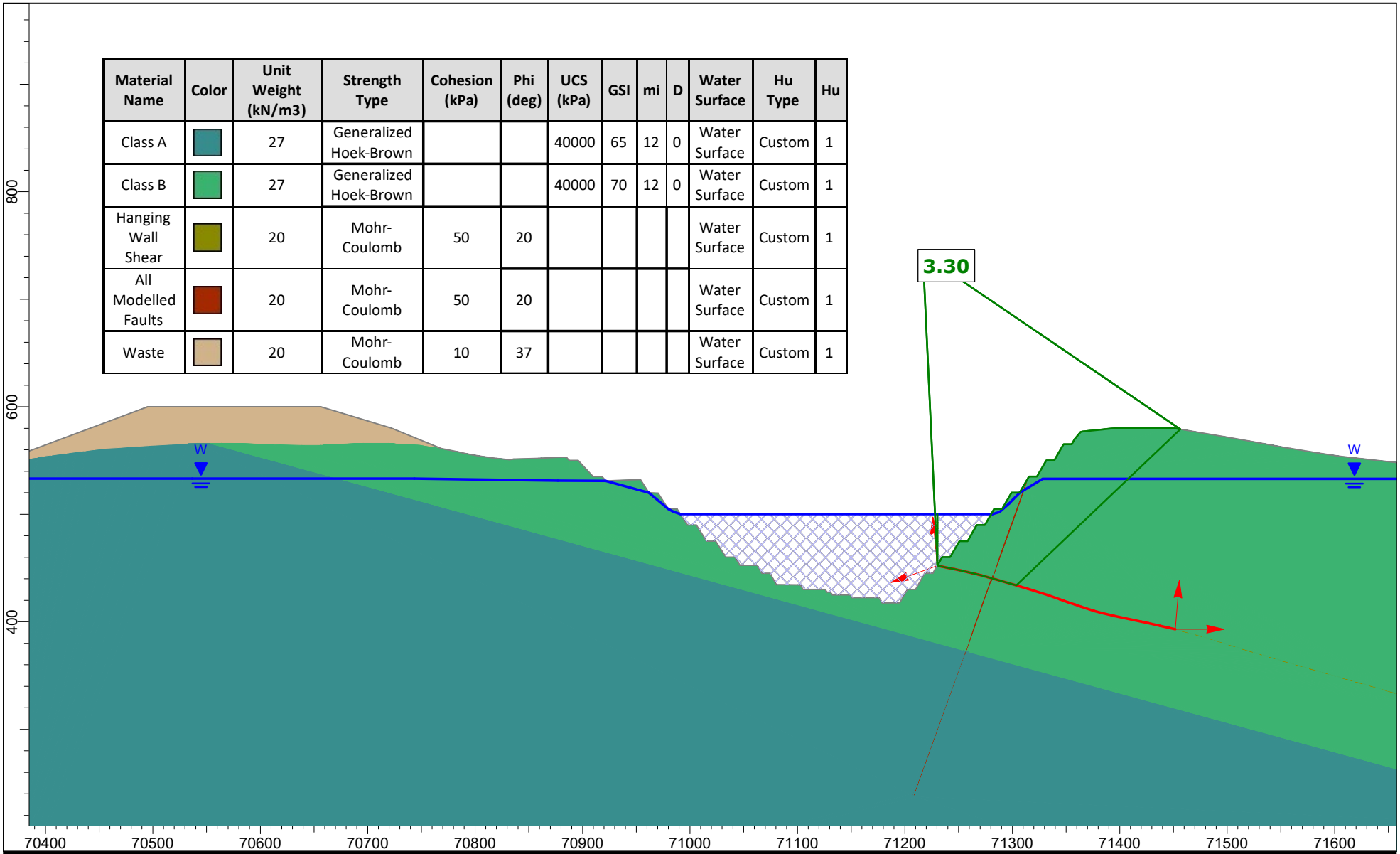
Client:	OceanaGold Corporation				
Project:	Macraes Phase 4 (MP4) Development				
Location:	Golden Bar				
Analysis description:	Golden Bar Section 2.slmd - Hu=0.6 East Wall - HWS, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	

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	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 2.slmd - Hu=1 East Wall - HWS, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	

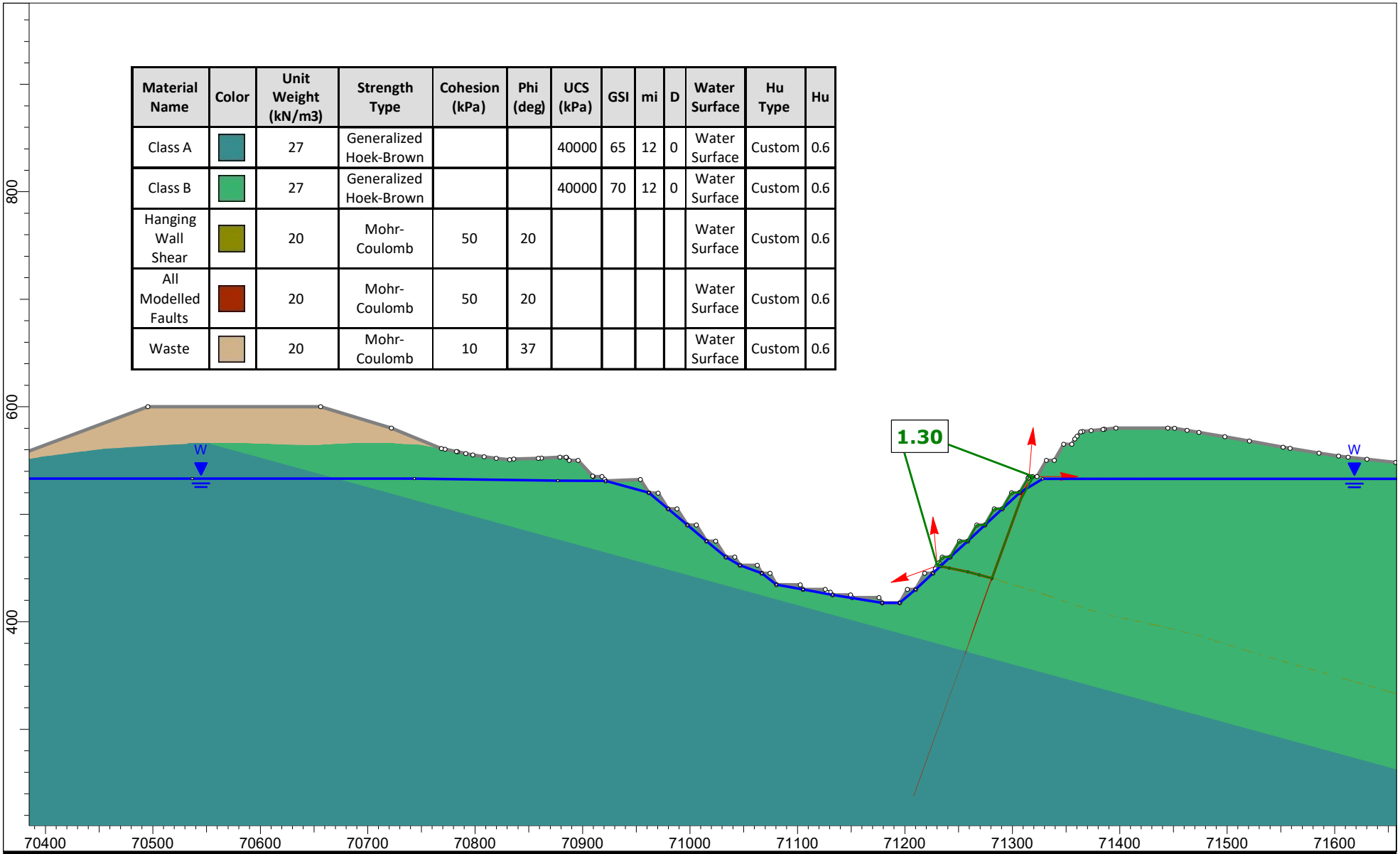
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Pit Lake East Wall - HWS, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

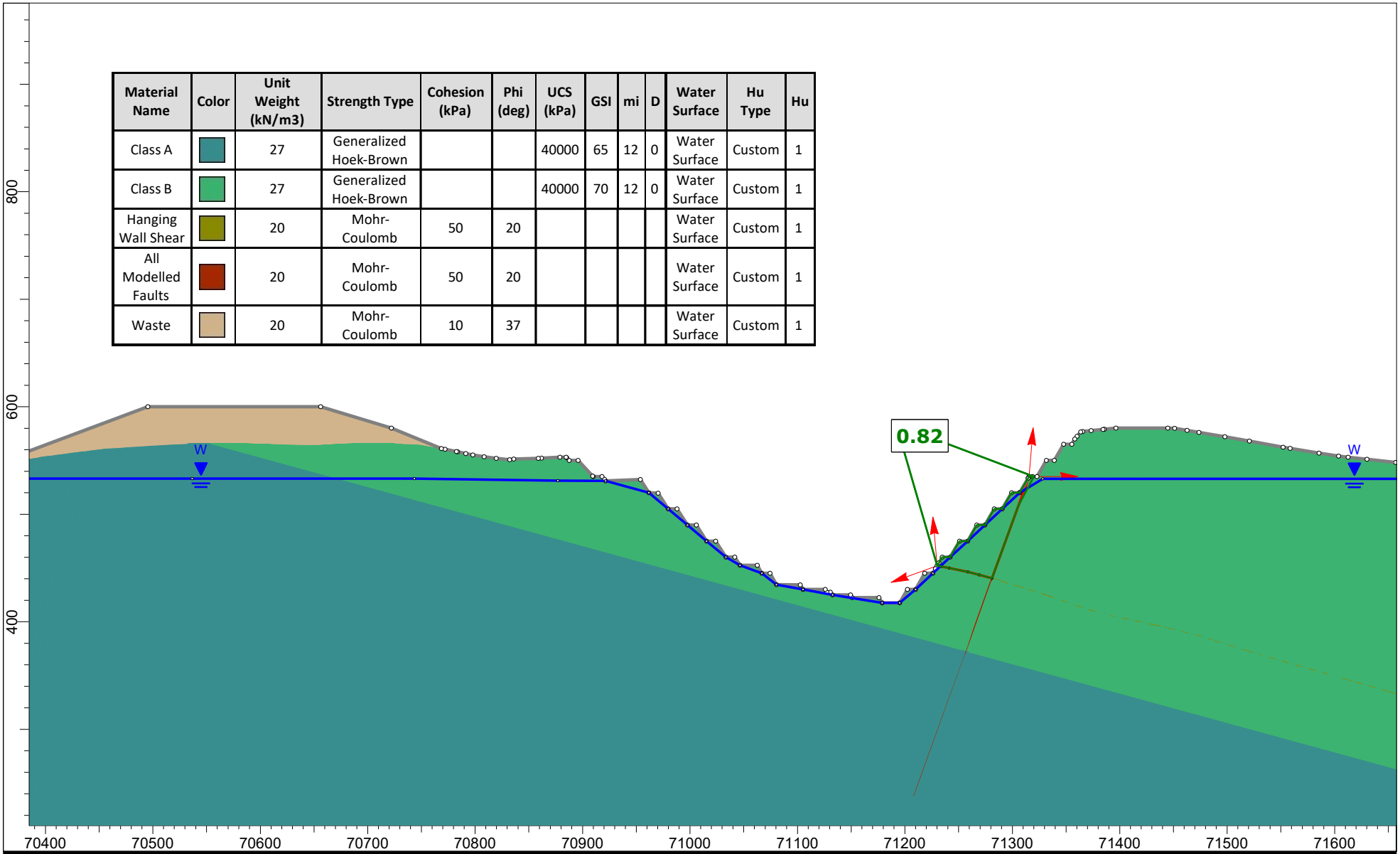
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Hu=0.6 East Wall - Block Slide, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

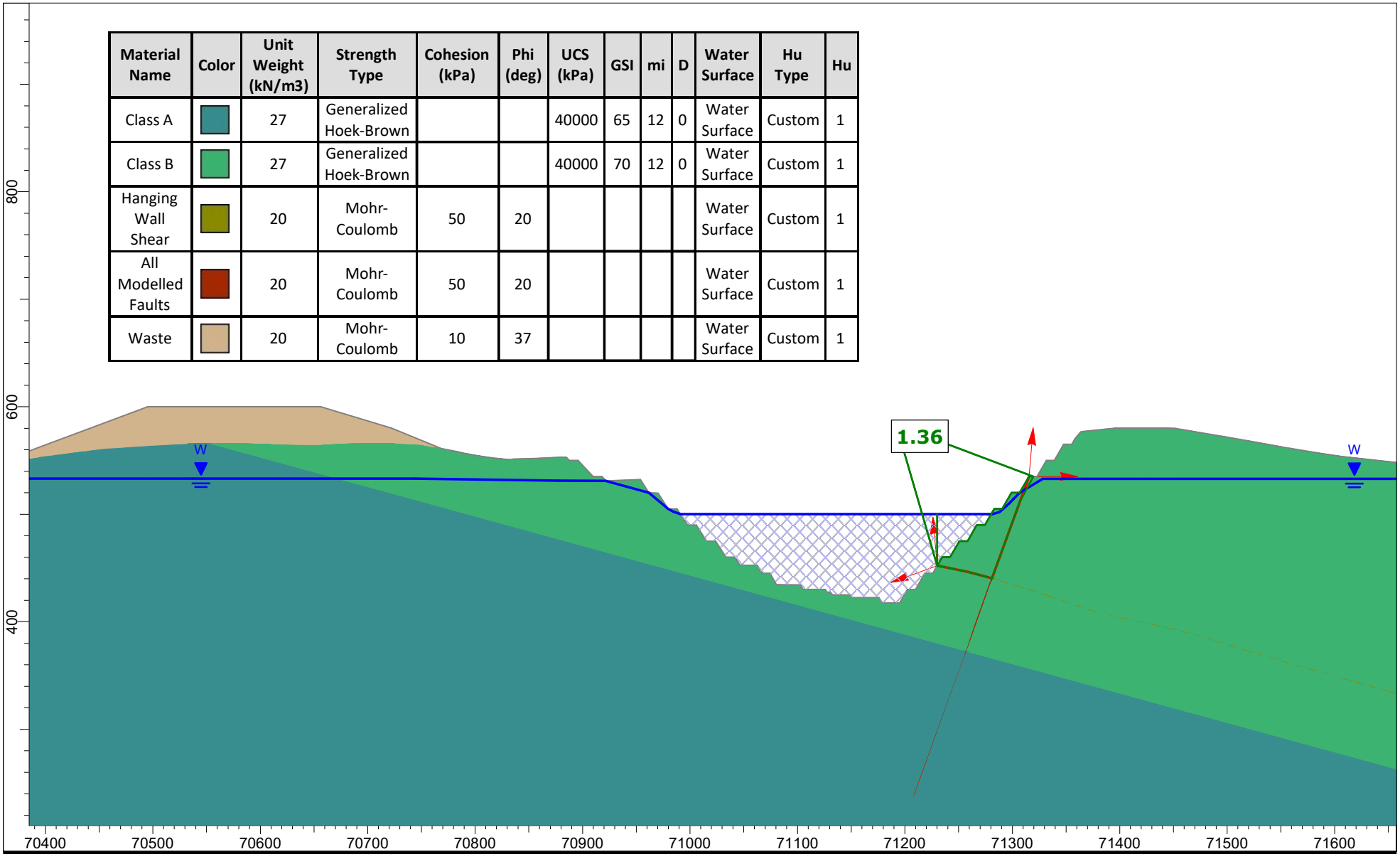
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Hu=1 East Wall - Block Slide, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

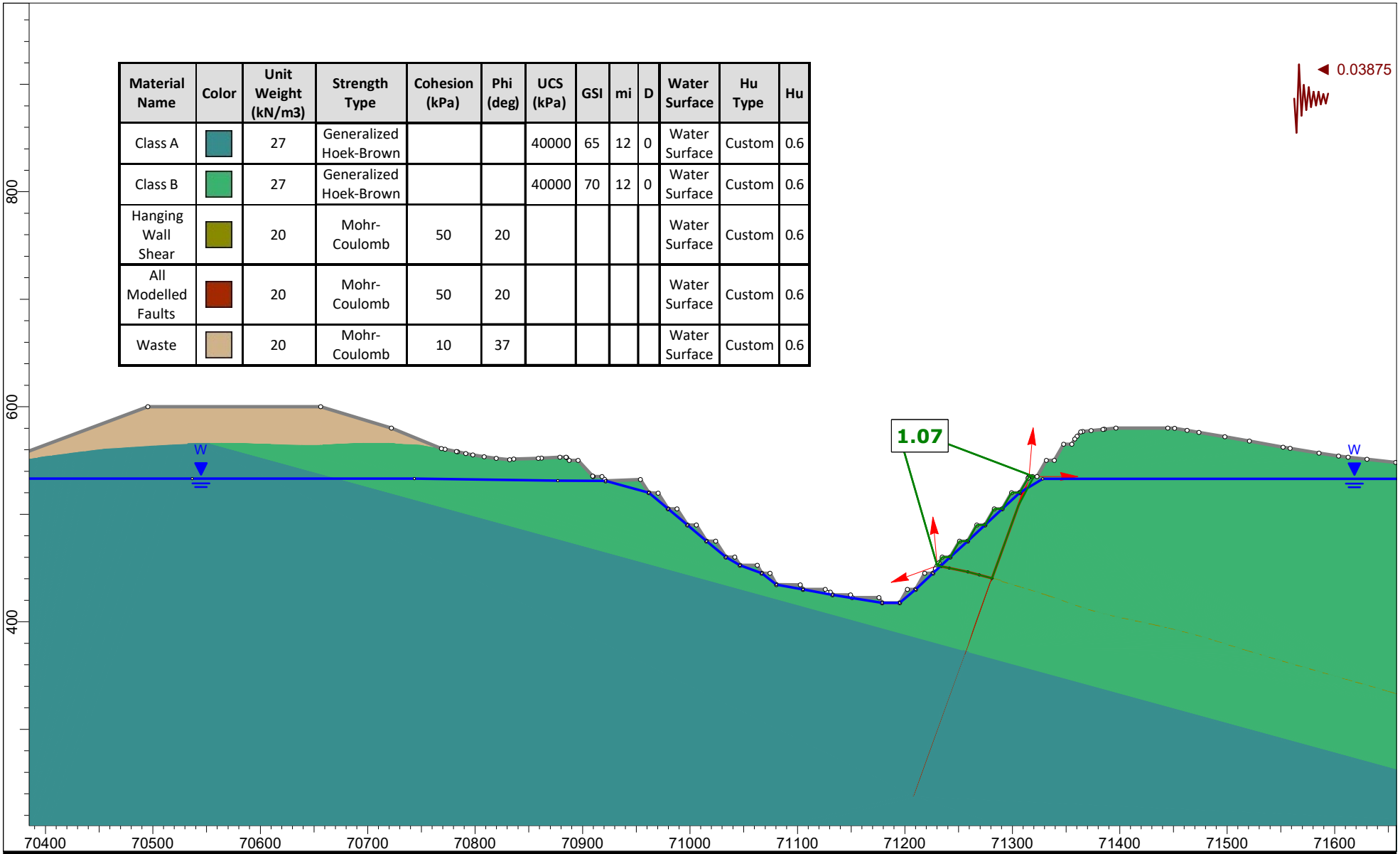
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Pit Lake East Wall - Block Slide, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

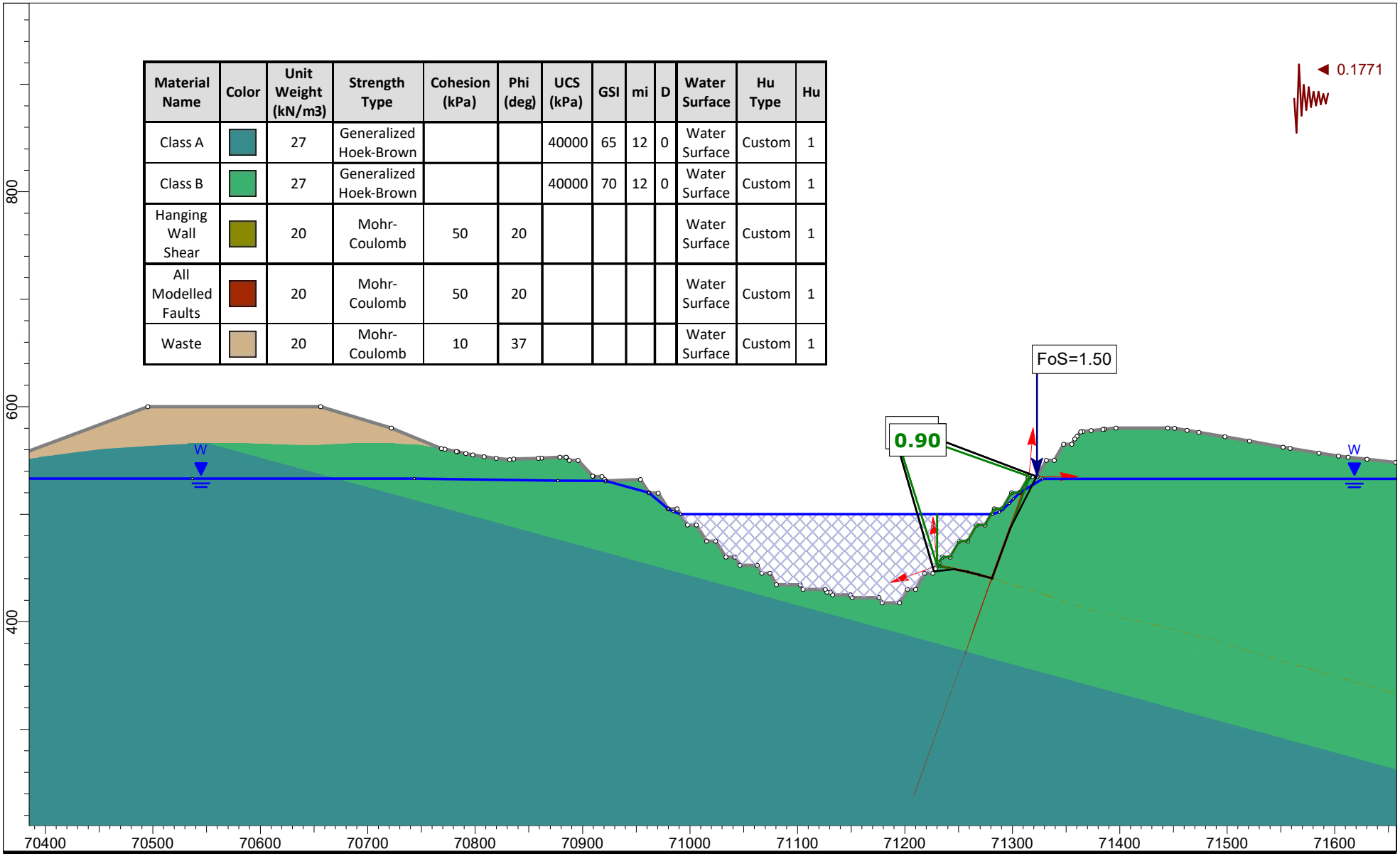
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Hu=0.6 East Wall - Block Slide_SC=0.03875, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

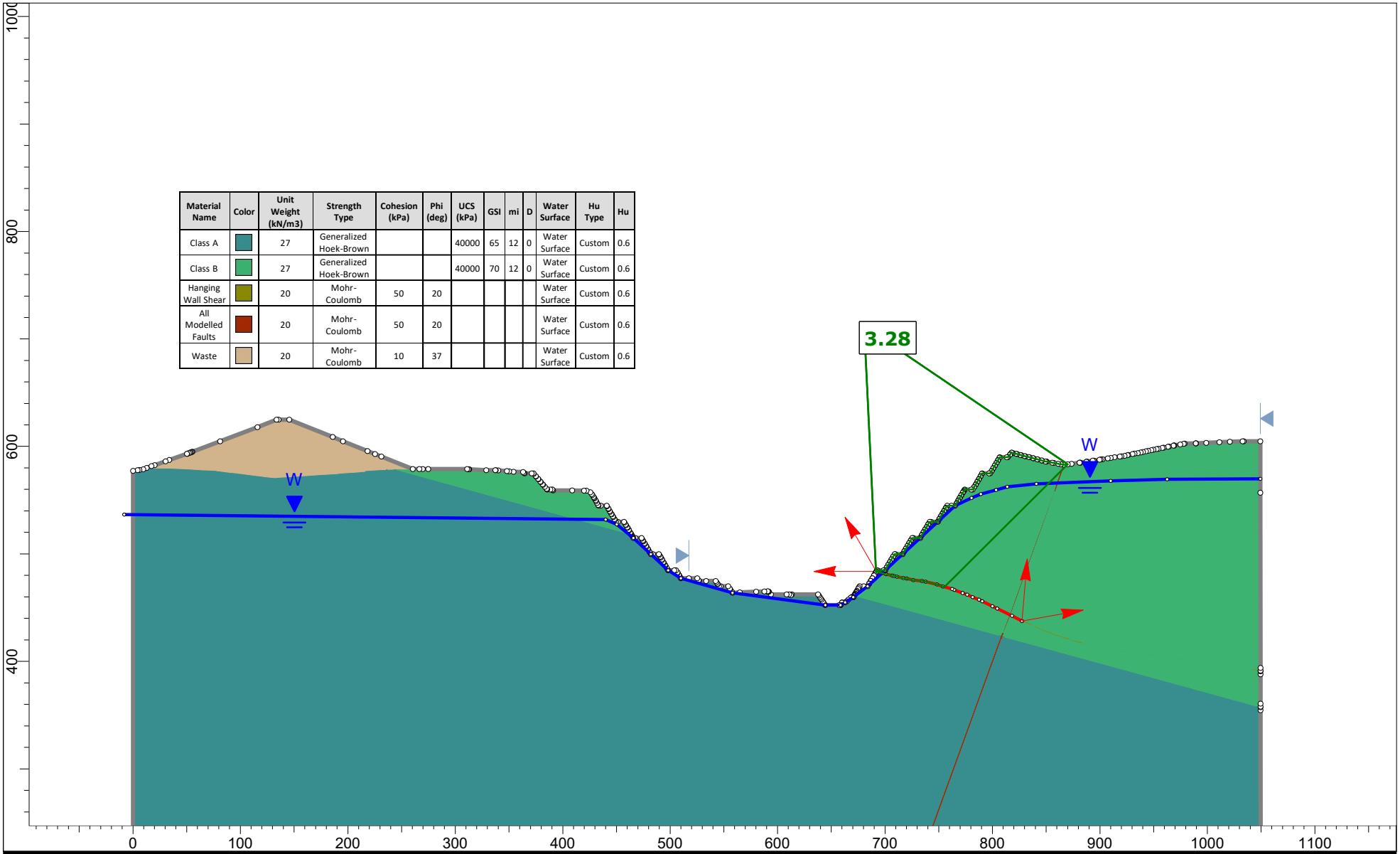
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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 2.slmd - Pit Lake East Wall - Block Slide_SC=0.1771, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

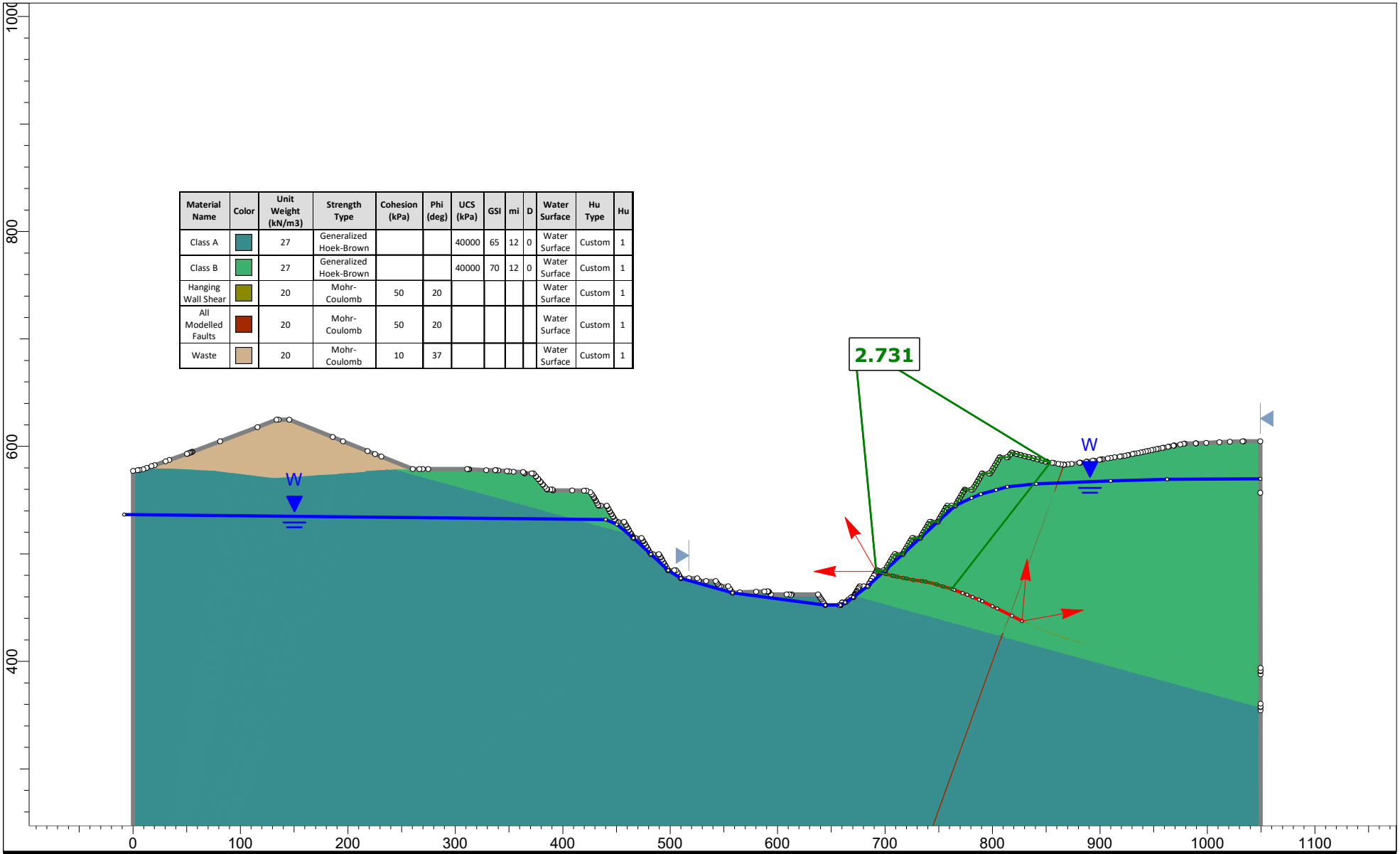
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb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

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

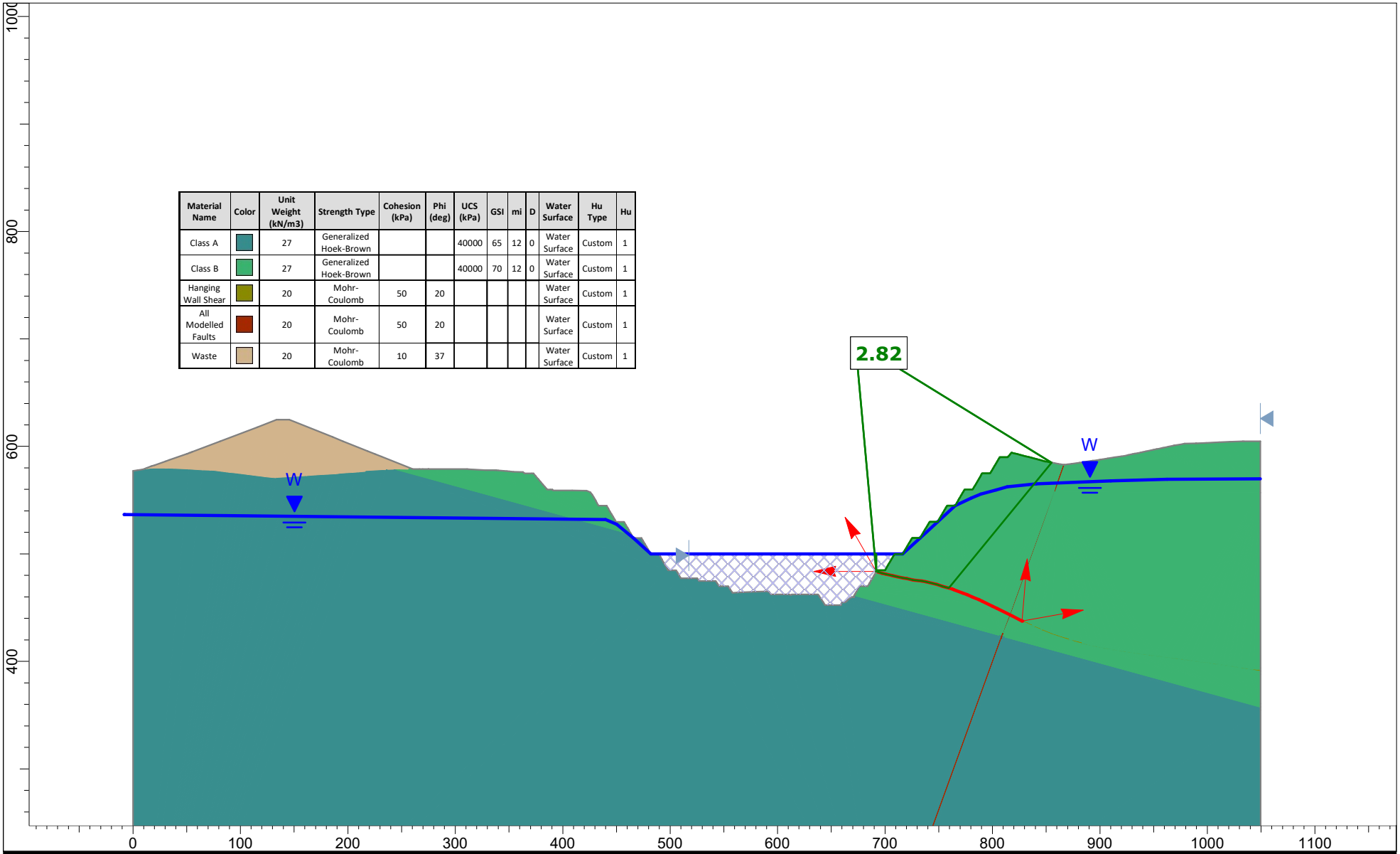
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb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

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

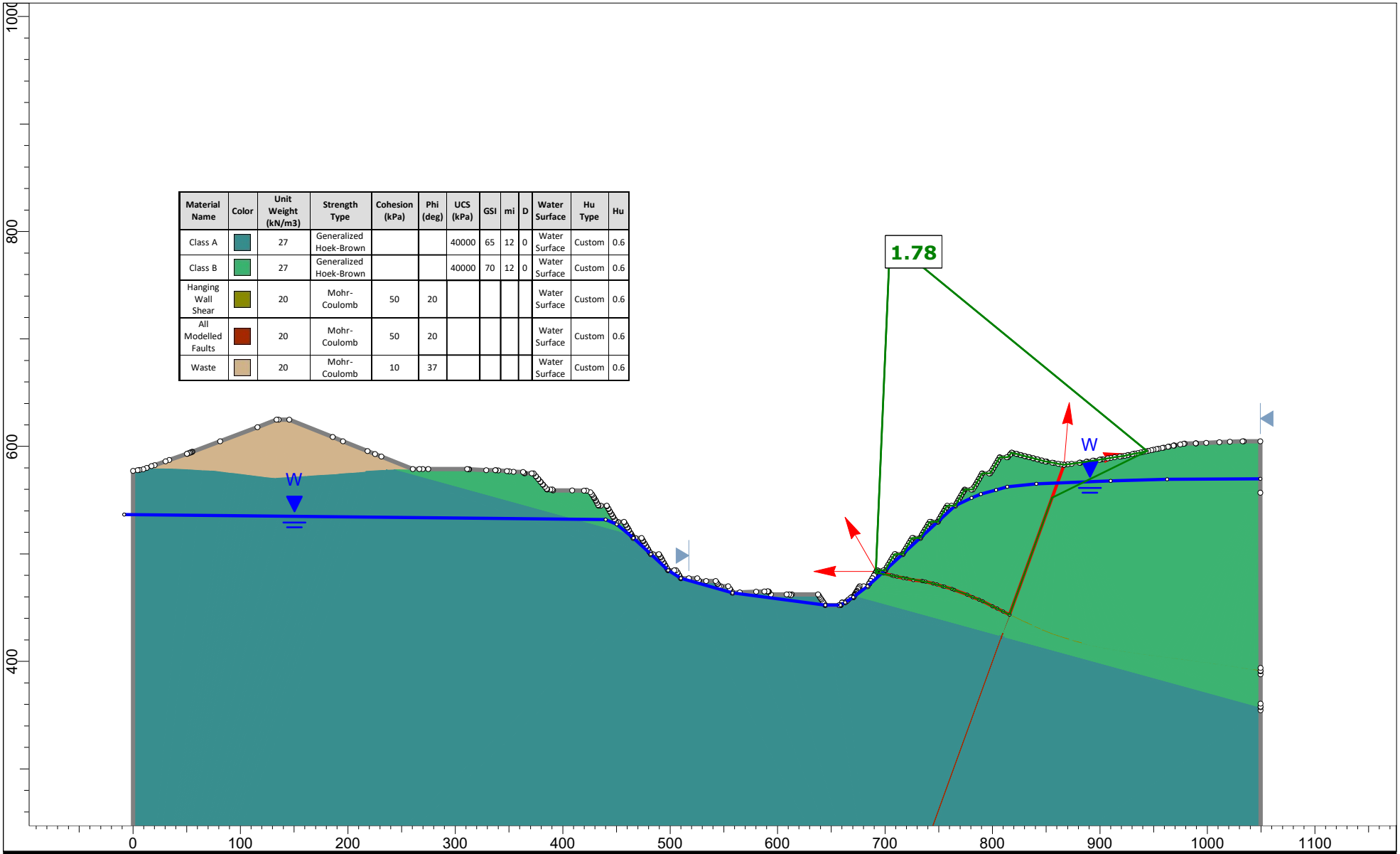
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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 - Pit Lake East Wall - HWS, Master Scenario

Job No:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

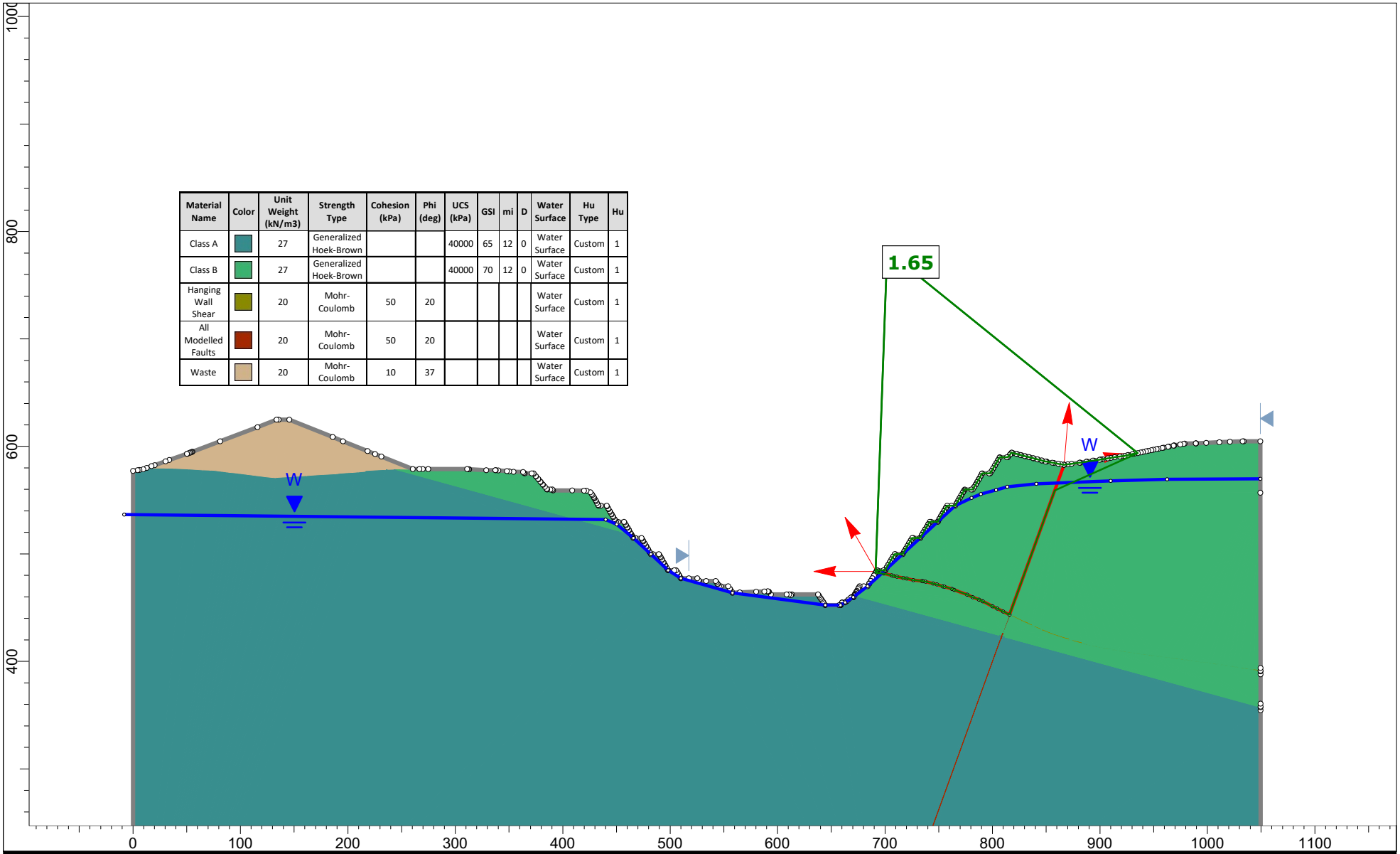
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	0.6
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	0.6
Hanging Wall Shear		20	Mohr-Coulomb	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:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	Master Scenario

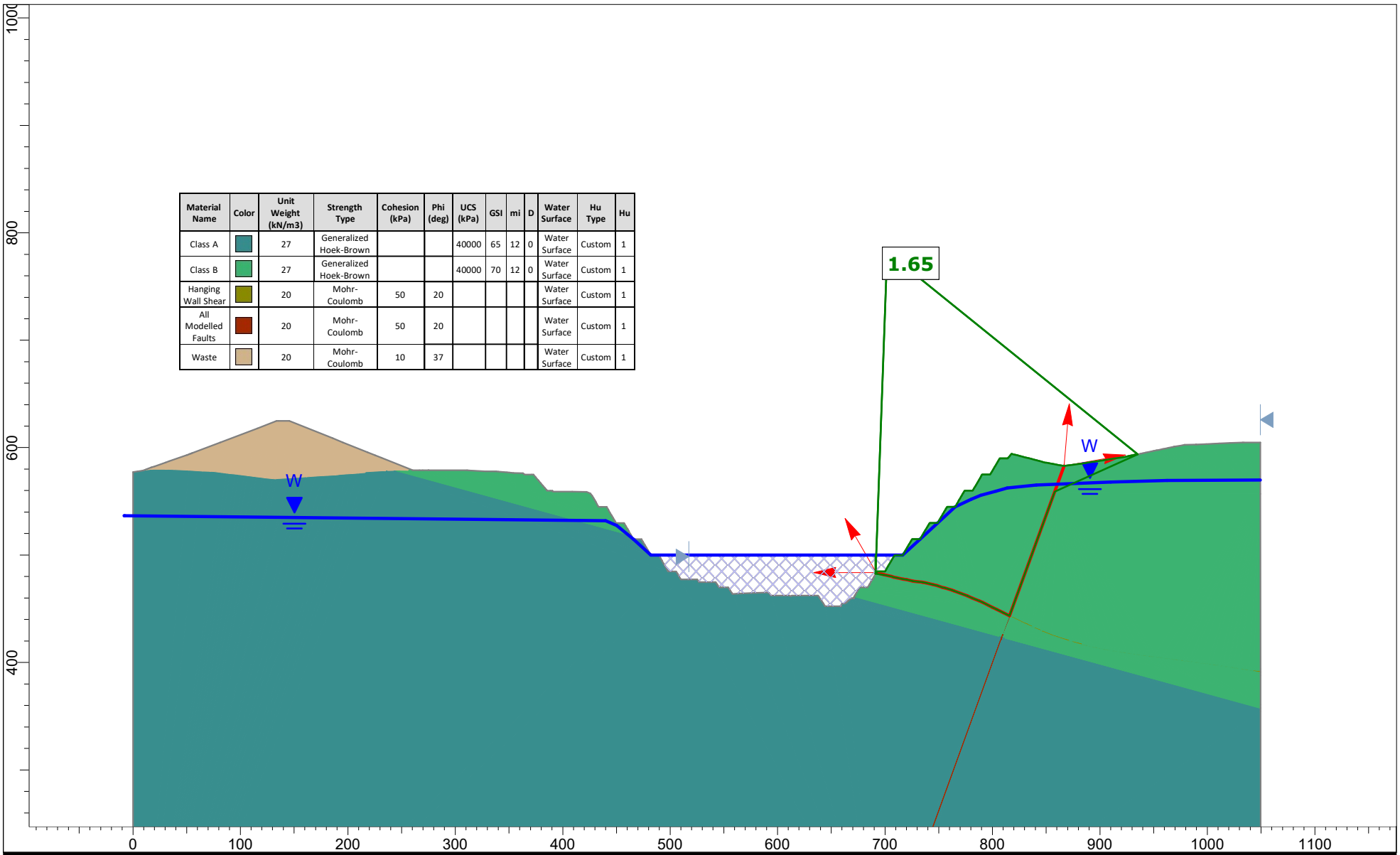
Material Name	Color	Unit Weight (kN/m3)	Strength Type	Cohesion (kPa)	Phi (deg)	UCS (kPa)	GSI	mi	D	Water Surface	Hu Type	Hu
Class A		27	Generalized Hoek-Brown			40000	65	12	0	Water Surface	Custom	1
Class B		27	Generalized Hoek-Brown			40000	70	12	0	Water Surface	Custom	1
Hanging Wall Shear		20	Mohr-Coulomb	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:	By:	Date:	Scale:	Run ID:
PSM0071	JS	23/03/2023	1:5000	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 - Pit Lake East Wall - Block Slide, Master Scenario				
Job No: PSM0071	By: JS	Date: 23/03/2023	Scale: 1:5000	Run ID: Master Scenario	