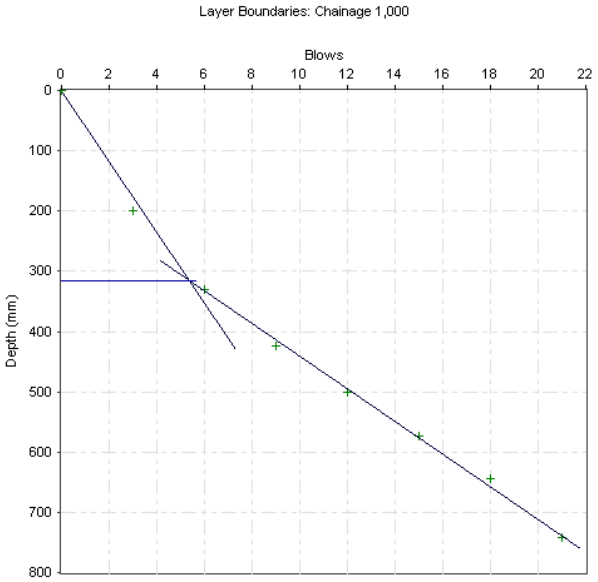
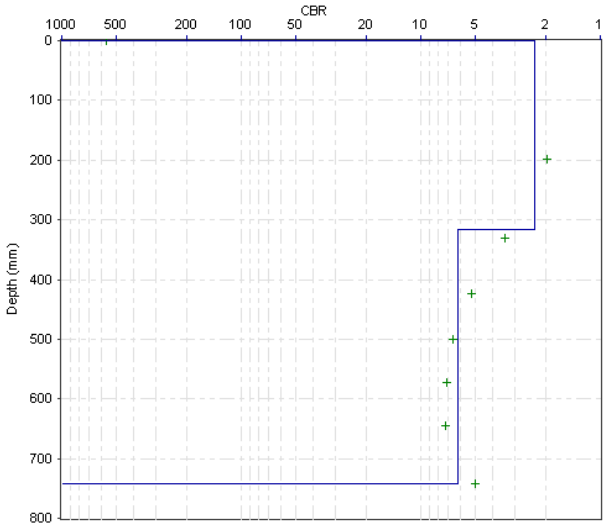
DCP Layer Strength Analysis Report

Project Name: R. JOSÉ RISSATO

Chainage (km):	1,000	Surface Type:	Unpaved
Direction:		Thickness (mm):	0
Location/Offset:	Carriageway	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	0	Surface Moisture:	Wet
Test Date:	12/11/2009	Moisture adjustment factor:	Not adjusted



Layer Boundaries Chart



CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	58,58	2	316	316	Subgrade	--	--	--	--
2	27,12	6	426	742	Subgrade	--	--	--	--

Pavement Strength

	Layer Contribution		
Layer	**SN**	**SNC**	**SNP**
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,00	0,00
Pavement Strength	--	0,00	0,00

CBR Relationship:

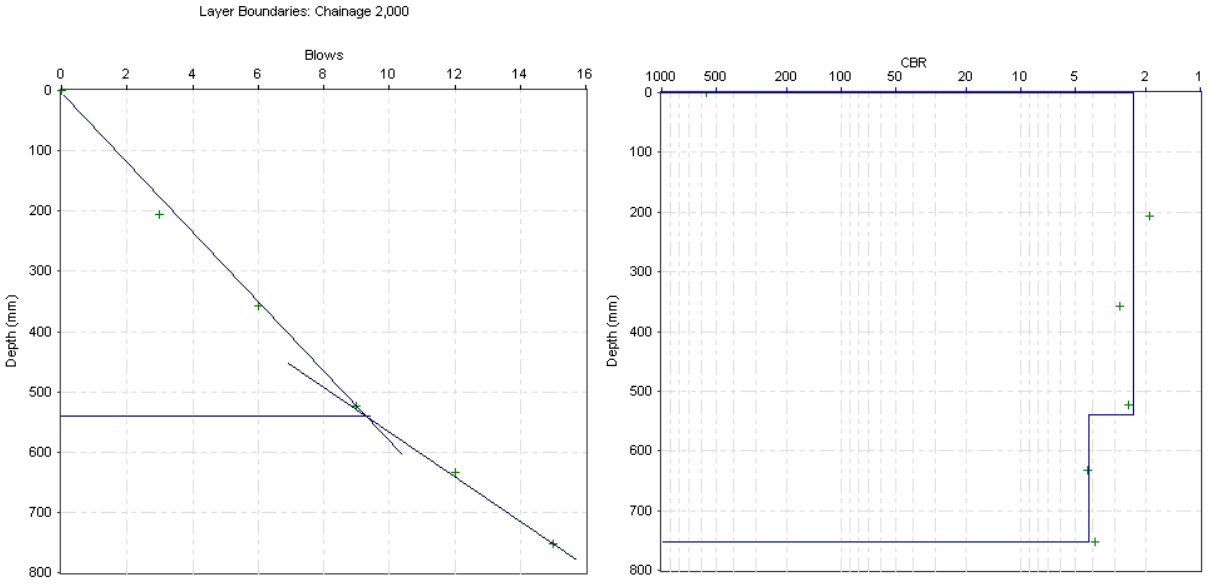
Kleyn equation: CBR = 410 x $(Strength)^{(-1.27)}$ (when Strength > 2); CBR = 66.66 x $(Strength)^2$ - 330 x (Strength) + 563.33 (when Strength <= 2)

Report produced by .....

DCP Layer Strength Analysis Report

Project Name: R. JOSÉ RISSATO

Chainage (km):	2,000	Surface Type:	Unpaved
Direction:		Thickness (mm):	0
Location/Offset:	Carriageway	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	0	Surface Moisture:	Wet
Test Date:	12/11/2009	Moisture adjustment factor:	Not adjusted



Layer Boundaries Chart

CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	57,76	2	540	540	Subgrade	--	--	--	--
2	37,12	4	212	752	Subgrade	--	--	--	--

Pavement Strength

	Layer Contribution		
Layer	**SN**	**SNC**	**SNP**
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,00	0,00
Pavement Strength	--	0,00	0,00

CBR Relationship:

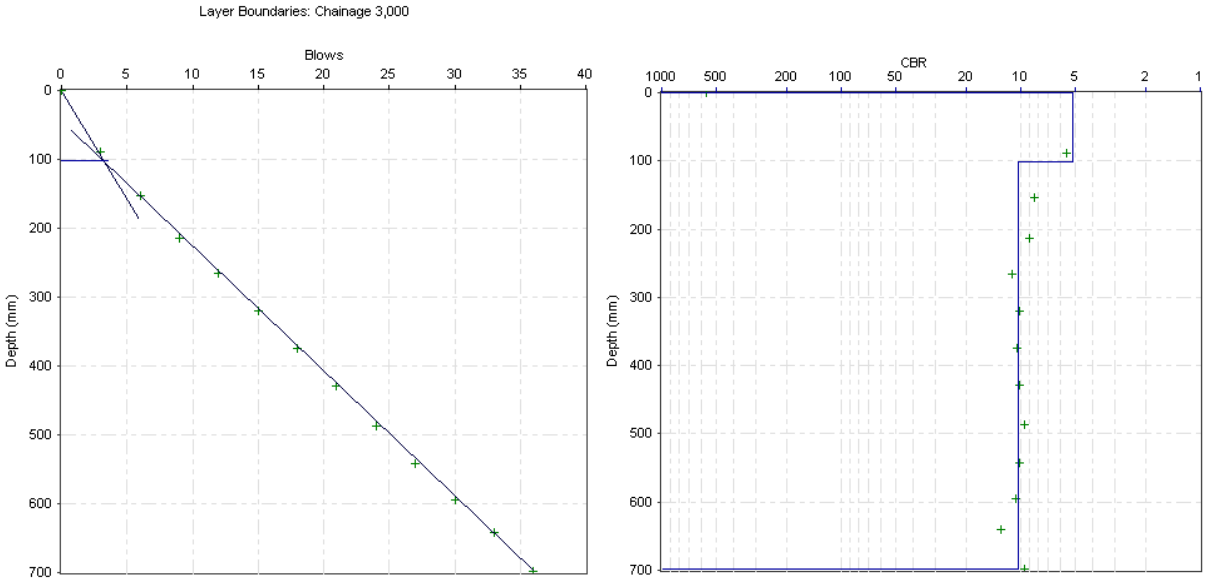
Kleyn equation: CBR = 410 x $(Strength)^{(-1.27)}$ (when Strength > 2); CBR = 66.66 x $(Strength)^2$ - 330 x (Strength) + 563.33 (when Strength <= 2)

Report produced by .....

DCP Layer Strength Analysis Report

Project Name: R. JOSÉ RISSATO

Chainage (km):	3,000	Surface Type:	Unpaved
Direction:		Thickness (mm):	0
Location/Offset:	Carriageway	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	0	Surface Moisture:	Wet
Test Date:	12/11/2009	Moisture adjustment factor:	Not adjusted



Layer Boundaries Chart

CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	31,46	5	102	102	Subgrade	--	--	--	--
2	18,13	10	597	699	Subgrade	--	--	--	--

Pavement Strength

	Layer Contribution		
Layer	**SN**	**SNC**	**SNP**
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,63	0,63
Pavement Strength	--	0,63	0,63

CBR Relationship:

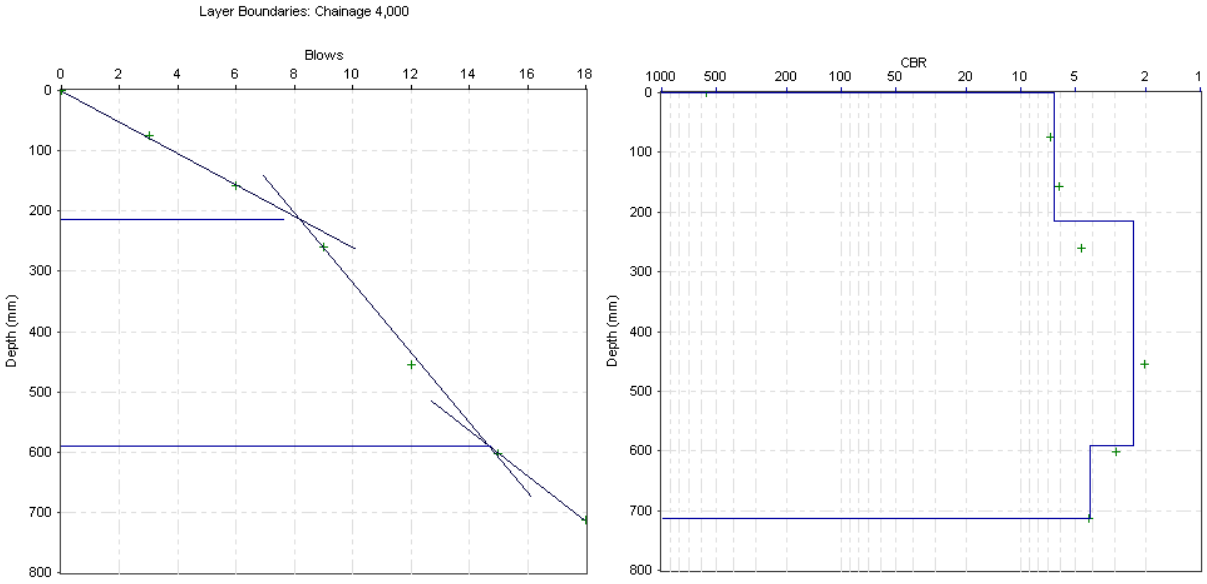
Kleyn equation: CBR = 410 x $(Strength)^{(-1.27)}$ (when Strength > 2); CBR = 66.66 x $(Strength)^2$- 330 x (Strength) + 563.33 (when Strength <= 2)

Report produced by .....

DCP Layer Strength Analysis Report

Project Name: R. JOSÉ RISSATO

Chainage (km):	4,000	Surface Type:	Unpaved
Direction:		Thickness (mm):	0
Location/Offset:	Carriageway	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	0	Surface Moisture:	Wet
Test Date:	12/11/2009	Moisture adjustment factor:	Not adjusted



Layer Boundaries Chart

CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	25,96	7	214	214	Subgrade	--	--	--	--
2	57,99	2	377	591	Subgrade	--	--	--	--
3	37,33	4	122	713	Subgrade	--	--	--	--

Pavement Strength

	Layer Contribution		
Layer	**SN**	**SNC**	**SNP**
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,00	0,00
Pavement Strength	--	0,00	0,00

CBR Relationship:

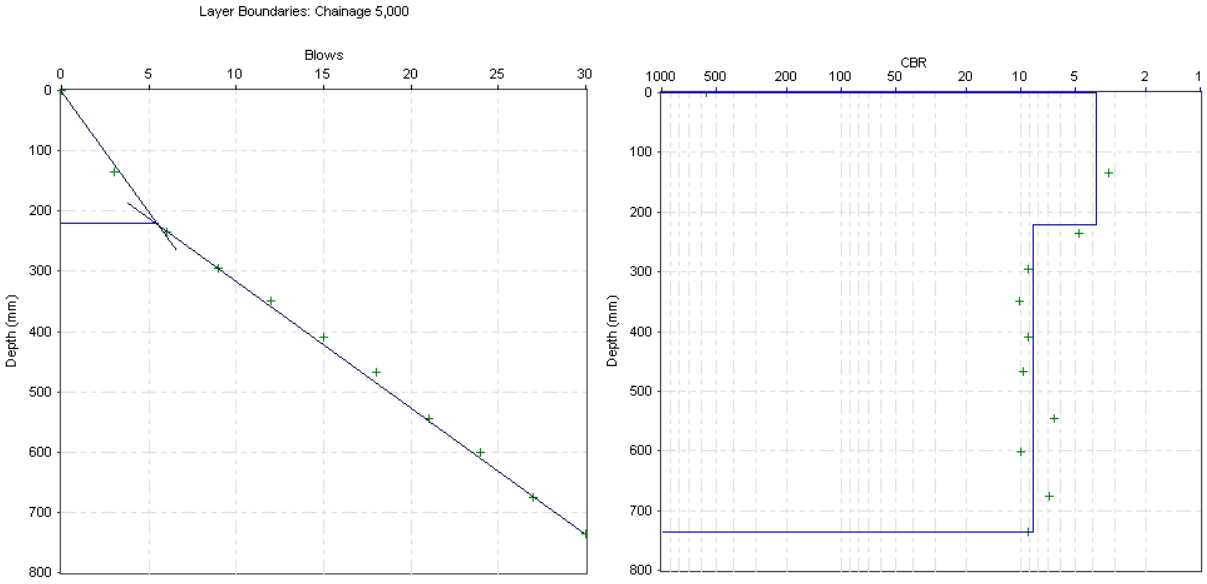
Kleyn equation: CBR = 410 x $(\text{Strength})^{(-1.27)}$ (when Strength > 2); CBR = 66.66 x $(\text{Strength})^2$- 330 x (Strength) + 563.33 (when Strength <= 2)

Report produced by .....

DCP Layer Strength Analysis Report

Project Name: R. JOSÉ RISSATO

Chainage (km):	5,000	Surface Type:	Unpaved
Direction:		Thickness (mm):	0
Location/Offset:	Carriageway	Base Type:	
Cone Angle:	60 degrees	Thickness (mm):	
Zero Error (mm):	0	Surface Moisture:	Wet
Test Date:	12/11/2009	Moisture adjustment factor:	Not adjusted



Layer Boundaries Chart

CBR Chart

Layer Properties

No.	Penetration Rate (mm/blow)	CBR (%)	Thickness (mm)	Depth to layer bottom (mm)	Position	Strength Coefficient	SN	SNC	SNP
1	39,82	4	221	221	Subgrade	--	--	--	--
2	21,09	9	514	735	Subgrade	--	--	--	--

Pavement Strength

	Layer Contribution		
Layer	**SN**	**SNC**	**SNP**
Surface	--	--	--
Base	--	--	--
Sub-Base	--	--	--
Subgrade	--	0,32	0,32
Pavement Strength	--	0,32	0,32

CBR Relationship:

Kleyn equation: CBR = 410 x $(Strength)^{(-1.27)}$ (when Strength > 2); CBR = 66.66 x $(Strength)^2$ - 330 x (Strength) + 563.33 (when Strength <= 2)

Report produced by .....