

SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01148 Number: IVB-D148 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D148

Region Type:

Region Descr.: SUPRACHEM SITE

Y Coord. [m]: -81309.57	Reg./BB.: IC01	Topo-set.: Hillside (slope)	Depth [m]: 30.00
X Coord. [m]: 2949447.93	G-Nr.:	Site status: Unused	Col. ht. [m]: 0.13
Altitude [m]: 1495.00		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 215
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	8.00	216	19980525	
JMA	8.00	30.00	165	19980525	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980525	0.00	1.00	127	Steel	6	Perforated or slotted	250	2	43	250
	19980525	0.00	1.00	127	Steel	3					
	19980525	0.00	8.00	165	Steel	3					

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	23.00	24.00	0.06	Estimated	Weathered basin	Report or file	

GEOLGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	3.00	CLAY	Brown	Dark			
	3.00	6.00	SHALE	Brown	Orange		Weathered	
	6.00	12.00	SHALE	Brown	Yellowish		Weathered	
	12.00	18.00	DIABASE	Brown	Brown		Weathered	
	18.00	23.00	DIABASE	Brown	Greyish		Weathered	
	23.00	24.00	DIABASE	Brown	Greyish		Weathered	Fresh
	24.00	30.00	DIABASE	Grey	Greenish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20010402	1234	0.00	0.56	
	Electrical contact	Static	0		20011008	0950	0.00	1.03	
	Electrical contact	Static	0		20011010	1340	0.00	1.05	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
	SLUGTEST	20011010	1500	0					0.089		

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 Research for IVS



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BASIC SITE INFORMATION: Site Identifier: 2627DB01148 Number: IVB-D148 Site type: Borehole
Distr./Farm No.: ISCOR Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D148

Y Coord. [m]: -81309.570

X Coord. [m]: 2949447.93

Altitude [m]: 1495.00

Coord. acc.: Accurate to within 10 units

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: SC 2

Topo-set.: Hillside (slope)

Site status: Unused

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 30.00

Collar h. [m]: 0.13

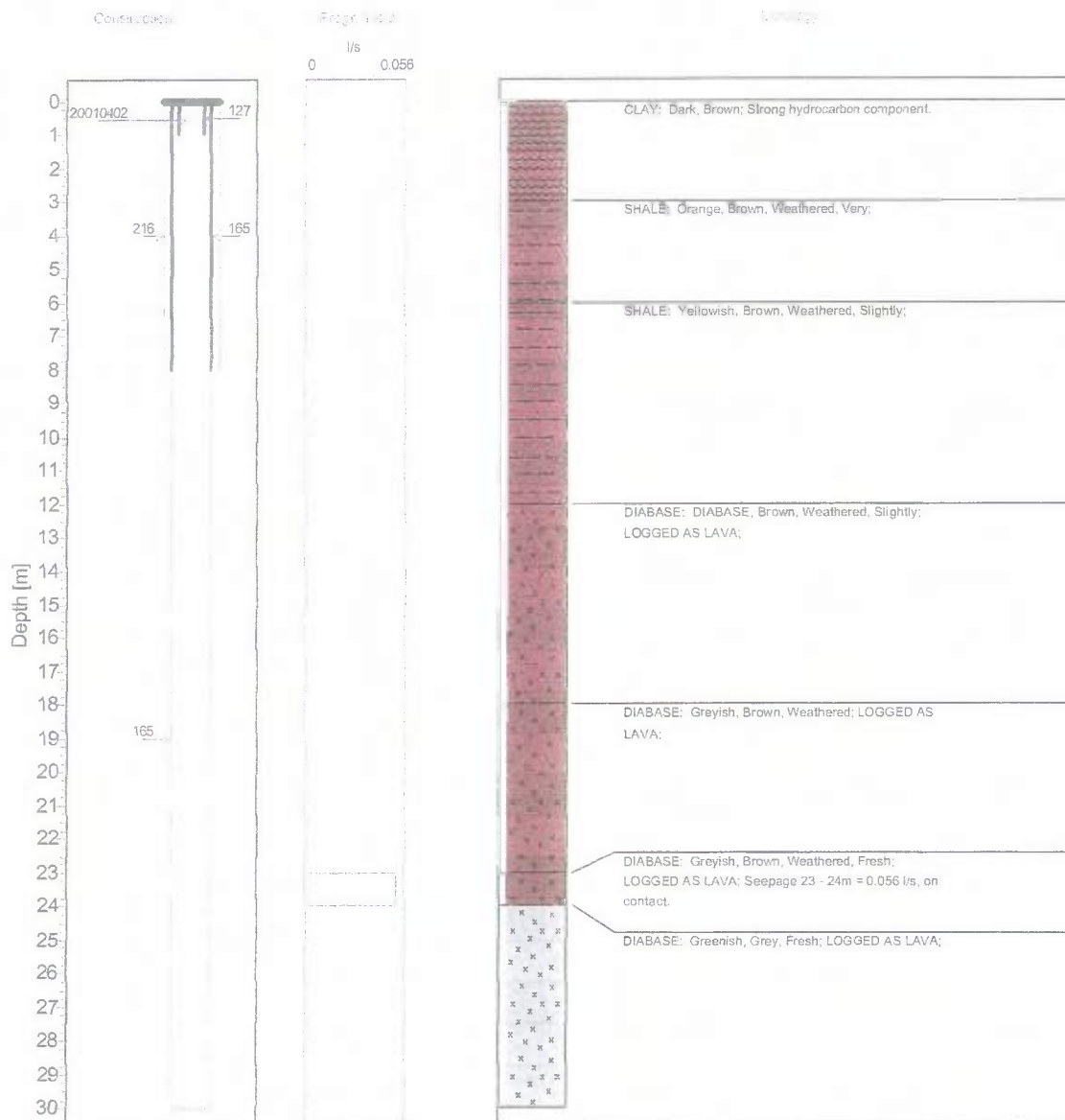
Drain. reg.: C220

Diam. [mm]: 215

Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01149 Number: IVB-D149 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D149

Region Type:

Region Descr.: MILL PLANT/ LURGI AREA/ CANDY TANK

Y Coord. [m]: -82357.03	Reg./BB.: CP01	Topo-set.: Hillside (slope)	Depth [m]: 30.00
X Coord. [m]: 2950186.54	G-Nr.:	Site status: In use	Col. ht. [m]: 0.05
Altitude [m]: 1494.06		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 125
Coord. meth.: Levelled or surveyed		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	7.00	215	19980609	
JMA	7.00	30.00	165	19980609	

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	19980609	0.00	6.00	127		3					
	19980609	0.00	7.00	165	Steel	3					
	19980609	6.00	30.00	127	PVC	6	Perforated or slotted	250	2	43	250

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Dark		Clayey	
	2.00	5.00	SAND	Brown	Orange		Silty	
	5.00	9.00	SAND	Brown	Yellowish		Clayey	
	9.00	11.00	SANDSTONE	Brown	Light	Fine	Weathered	
	11.00	14.00	SANDSTONE	Brown	Yellowish	Fine	Weathered	
	14.00	17.00	SILTSTONE	Red		Fine	Weathered	
	17.00	30.00	SANDSTONE AND SHALE	Brown	Greyish		Interlaminated	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0		20000126	1608	0.00	4.78	
	Electrical contact	Static	0		20000306	1414	0.00	3.21	
	Electrical contact	Static	0		20000728	1252	0.00	5.19	
	Electrical contact	Static	0		20000814	0805	0.00	5.18	
	Electrical contact	Static	0	Geologist,	20001116	0848	0.00	5.29	
	Electrical contact	Static	0	Field checked	20010116	1056		4.70	
	Electrical contact	Static	0	Field checked	20010514	1432	0.00	4.82	
	Electrical contact	Static	0	Field checked	20011008	1005	0.00	5.39	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010306	1800	0	0	0	0	0	0	0.045	0	

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Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION:

Site Identifier: 2627DB01149 Number: IVB-D149

Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Desc.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D149

Y Coord. [m]: -82357.030

X Coord. [m]: 2950186.54

Altitude [m]: 1494.05

Coord. acc.: Accurate to within 10 units

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: HMS 2

Topo-set.: Hillside (slope)

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 30.00

Collar h. [m]: 0.05

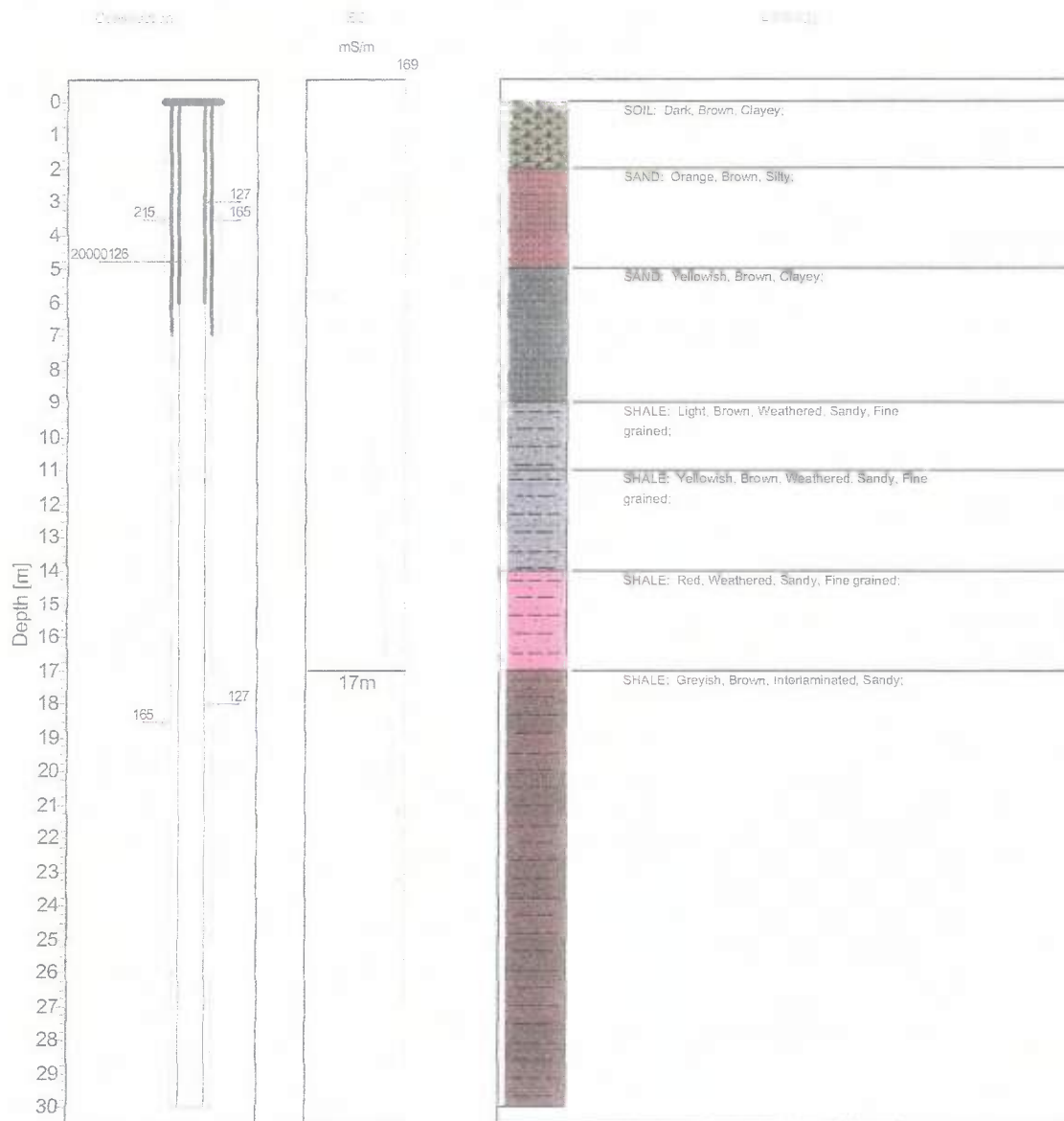
Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA

Construction and Geology Log Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01150 Number: IVB-D150 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Des.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D150

Region Type:

Region Descr.: WESTERN BOUNDARY - BOF SLUDGE DAMS

Y Coord. [m]: -80179.2

Reg./BB.: CS07

Topo-set.: Flat surface, plain

Depth [m]: 21.00

X Coord. [m]: 2948445.28999

Site status: In use

Col. ht. [m]: 0.55

Altitude [m]: 1490.48

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 1 unit

Use applic.: Industrial - industrial

Diam. [mm]: 125

Coord. meth.: Levelled or surveyed

Equipment: No equipment

Rep. inst.: JMA

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	7.00	215	19980522	
JMA	7.00	21.00	165	19980522	

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
19980522	0.00	1.50	125		3		0	0	0	0
19980522	0.00	7.00	165	Steel	3					
19980522	1.50	21.00	125	PVC	6	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	20.00	21.00	0.69	Estimated	Fractured	Report or file	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	CLAY	Brown	Greyish			
1.00	10.00	DIABASE	Brown	Olive		Weathered	
10.00	13.00	DIABASE	Brown	Greyish		Weathered	
13.00	16.00	DIABASE	Grey	Light		Weathered	
16.00	20.00	DIABASE	Grey	Dark		Fresh	
20.00	21.00	DIABASE	Grey	Dark		Fractured	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0		20000126	1448	0.00	1.66	
Electrical contact	Static	0		20000301	1613	0.00	1.46	
Electrical contact	Static	0		20000727	1221	0.00	1.00	
Electrical contact	Static	0	Geologist,	20001110	1308	0.00	1.11	
Electrical contact	Static	0	Field checked	20010903	1230	0.00	1.98	
Electrical contact	Static	0	Field checked	20011105	0854	0.00	1.37	SLUGTEST/TAR

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011105	1500	0					0.061		

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Borehole Construction and Geological Log

Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01150 Number: IVB-D150 Site type: Borehole

Distr./Farm No.: ISCOR

Site Name/Descr.: ISCOR FLATSTEEL SOURCE BOREHOLE IVB-D150

Y Coord. [m]: -80179.200

X Coord. [m]: 2948445.29

Altitude [m]: 1490.48

Coord. acc.: Accurate to within 1 unit

Coord. meth.: Levelled or surveyed

Alt. No. 1:

Alt. No. 2: T 6(D)

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 21.00

Collar h. [m]: 0.55

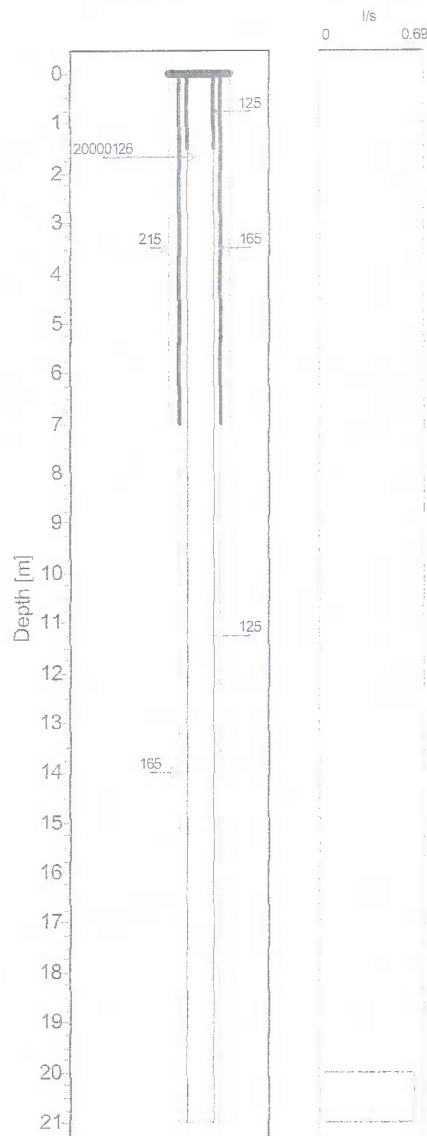
Drain. reg.: C220

Diam. [mm]: 125

Rep. inst.: JMA

Construction and Geohydrological Legend

	Perforated Casing	19980720	Water level and date
	Plain Casing	165	Hole diam. [mm]
	Screen	152	Casing diam. [mm]
	Hole		Welded cap



	CLAY: Greyish, Brown;
	DIABASE: Olive, Brown, Weathered, Very; LOGGED AS LAVA;
	DIABASE: Greyish, Brown, Weathered; LOGGED AS LAVA;
	DIABASE: Light, Grey, Weathered; LOGGED AS LAVA;
	DIABASE: Dark, Grey, Fresh; LOGGED AS LAVA;
	DIABASE: Dark, Grey, Fractured; LOGGED AS LAVA; Water = 0.69 l/s; CONTAMINATED.

COMMENT:
No Sample. Tar below 2.32m.



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01151 Number: IVB-D151 Site type: Borehole

Distr./Farm No.: LYN4GRA

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: NORTH WORKS

Y Coord. [m]: -82823.3

Reg./BB.: UP01

Topo-set.: Flat surface, plain

Depth [m]: 43.00

X Coord. [m]: 2948236.01

G-Nr.: NWD11

Site status: In use

Col. ht. [m]: 0.42

Altitude [m]: 1508.36

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 150

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Durat.

Special treatment

Constr. cost

20010806 EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

33.00

215

20010806

CASED TO 165

JMA

33.00

43.00

165

20010806

NO CASING

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010806

0.00

28.00

165

Steel

3

Plain casing

0

0

0

0

20010806

28.00

33.00

165

Steel

3

Perforated or slotted

250

2

43

250

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

30.00

32.00

4.50

Notch (V- or U-notch)

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

2.00

SOIL

Red

2.00

7.00

QUARTZITE

White

Weathered

7.00

14.00

CLAY

Yellow

Brownish

14.00

20.00

QUARTZITE

White

Brownish

Weathered

20.00

23.00

QUARTZITE

White

Broken

23.00

28.00

QUARTZITE

White

Brownish

28.00

32.00

LAVA

Black

Greyish

Broken

32.00

43.00

LAVA

Black

Greyish

WATER LEVEL:

Meth. meas.

Level status

Piez. Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20010917

0730

0.00

4.25

Electrical contact

Static

0

Field checked

20011004

0725

0.00

4.17

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate [l/s]

Drawd. [m]

Recovery: %

 Trans. [m³/d]

Perm. [mld]

Stor.

Comment

SLUGTEST

20010912

60

0

0

0

0

0

0

0

0

8.014

0

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Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION:

Site Identifier: 2627DB01151 Number: IVB-D151

Site type: Borehole

Distr./Farm No.: LYN4GR

Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -82823.300

X Coord. [m]: 2948236.01

Altitude [m]: 1508.36

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1: NWD11

Alt. No. 2: GEO1D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 43.00

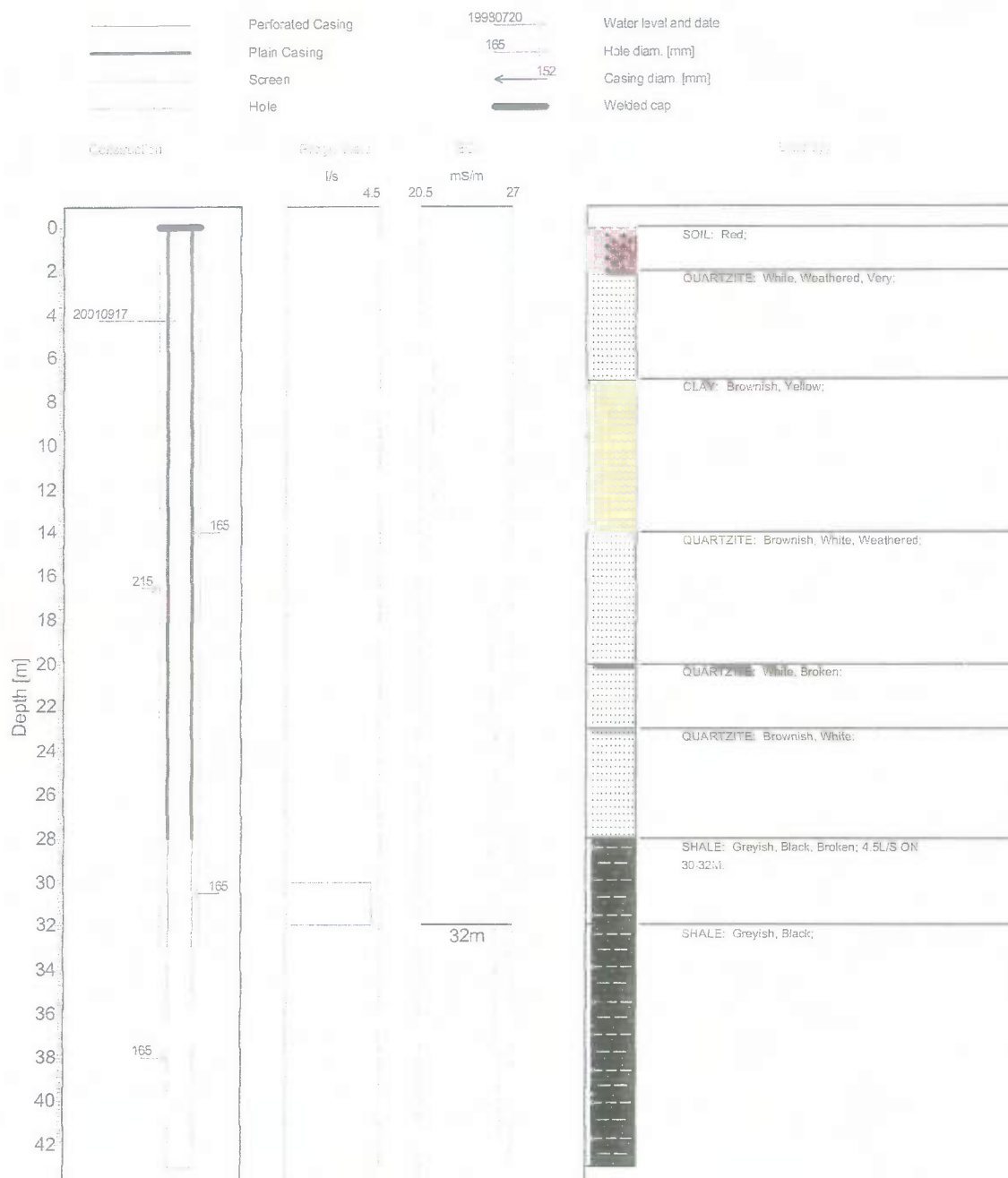
Collar h. [m]: 0.42

Drain. reg.: C220

Diam. [mm]: 150

Rep. inst.: JMA

Construction and Geology Log Legend



COMMENT:



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01152 Number: IVB-D152 Site type: Borehole

Distr./Farm No.: LYN6GRA

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: SLAG DUMP

Y Coord. [m]: -80631.23	Reg. IBB.: CS07	Topo-set.: Flat surface, plain	Depth [m]: 37.00
X Coord. [m]: 2946705.77	G-Nr.:	Site status: In use	Col. ht. [m]: 0.51
Altitude [m]: 1483.91		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - Industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010806	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
Rep. Inst.	0.00	33.00	215	20010806	CASED TO 165
	33.00	37.00	165	20010806	NO CASING

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010808	0.00	21.00	165	Steel	3	Plain casing	0	0	0	0
20010808	21.00	33.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	26.00	27.00	4.00	Notch (V- or U-notch)			

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL					
2.00	4.00	CLAY	White	Greyish			
4.00	10.00	SHALE	Brown	Greyish		Weathered	
10.00	16.00	SHALE	Brown			Weathered	
16.00	22.00	SHALE	Brown	Greyish		Weathered	
22.00	26.00	SHALE	Brown	Greyish		Broken	
26.00	32.00	SHALE	Black	Greyish		Broken	
32.00	37.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010917	1008	0.00	3.82	
Electrical contact	Static	0	Field checked	20011002	1300	0.00	3.85	
Electrical contact	Static	0	Field checked	20011012	0920	0.00	3.85	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011012	90	0					3.168		

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Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01152 Number: IVB-D152 Site type: Borehole

Distr./Farm No.: LYN6GR

Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -80631.230	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 37.00
X Coord. [m]: 2946705.77	Alt. No. 2: GEO2D	Site status: In use	Collar h. [m]: 0.52
Altitude [m]: 1483.91		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01153 Number: IVB-D153 Site type: Borehole

Distr./Farm No.: LYN5GRA

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: SLUDGE DAMS (DRY DAMS)

Y Coord. [m]: -81768.76

Reg./BB.: CS22

Topo-set.: Flat surface, plain

Depth [m]: 43.00

X Coord. [m]: 2947612.61

G-Nr.:

Site status: In use

Col. ht. [m]: 0.36

Altitude [m]: 1500.00

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Durat.

Special treatment

Constr. cost

20010807 EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

21.00

215

20010807

Cased to 165

JMA

21.00

43.00

165

20010807

NO CASING

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010808

0.00

21.00

165

Steel

3 Plain casing

250

2

43

250

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

30.00

31.00

1.00

Notch (V- or U-notch)

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

2.00

SOIL

Black

2.00

10.00

SHALE

Brown

Weathered

10.00

15.00

SHALE

Grey

Light

Weathered

15.00

19.00

SHALE

Pink

Light

Weathered

19.00

21.00

SHALE

Brown

Greyish

Broken

21.00

26.00

SHALE

Brown

Greyish

Fresh

26.00

30.00

SHALE

Black

Carbonaceous

30.00

36.00

DIABASE

Brown

Broken

36.00

43.00

SHALE

Black

Carbonaceous

WATER LEVEL:

Meth. meas.

Level status

Piez.

Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20010917

0900

0.00

1.69

Electrical contact

Static

0

Field checked

20011004

1045

0.00

1.74

Electrical contact

Static

0

Field checked

20011008

1600

0.00

1.77

SLUGTEST

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate [l/s]

Drawd. [m]

Recovery: [m] %

[min]

 Trans. [m³/d]

Perm. [m/d]

Stor.

Comment

SLUGTEST

20011008

900

0

0.271

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Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01153 Number: IVB-D153

Site type: Borehole

Distr./Farm No.: LYN5GR

Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -81768.760

X Coord. [m]: 2947612.61

Altitude [m]: 1500.00

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: GEO3D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 43.00

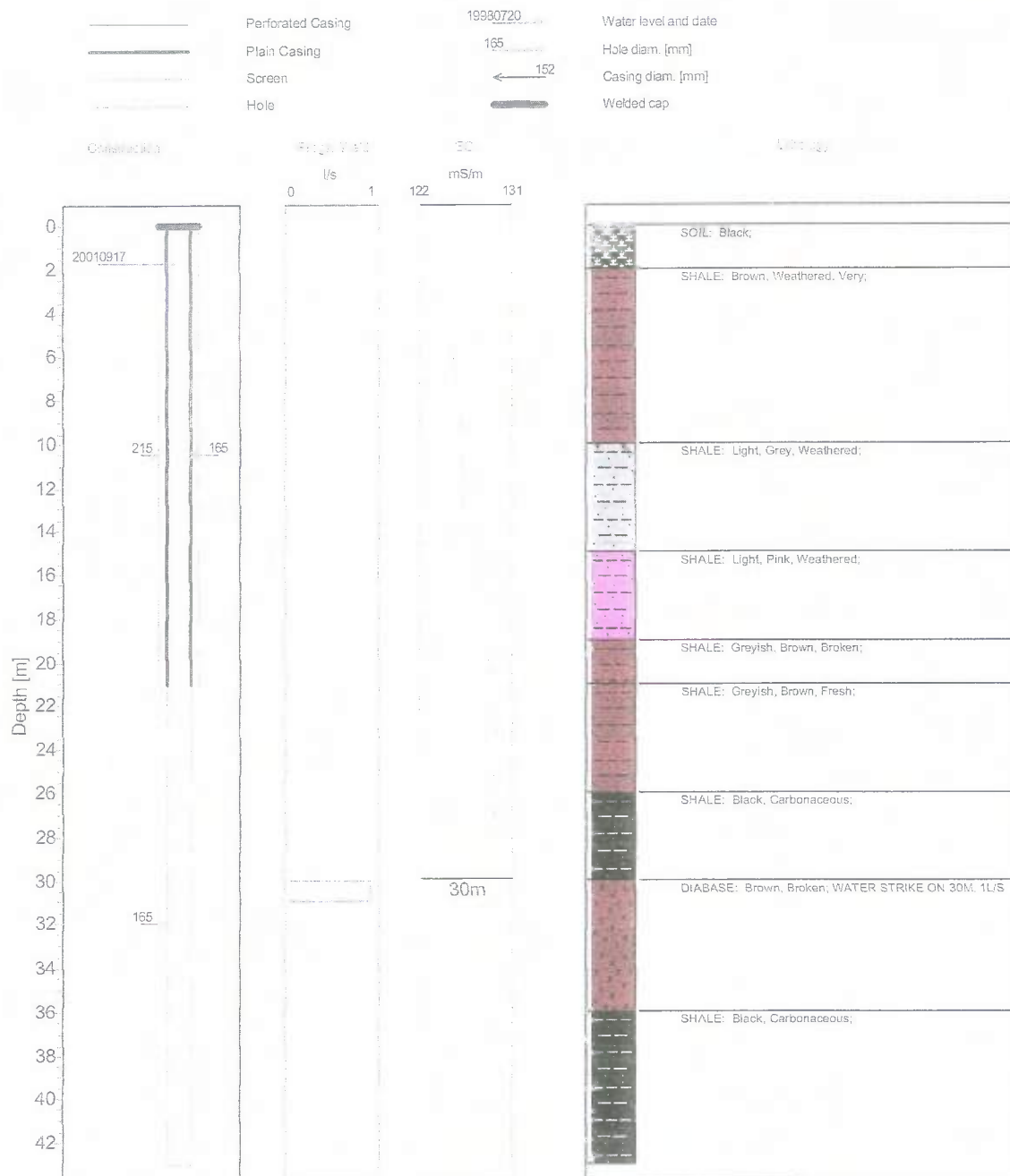
Collar h. [m]: 0.38

Drain. reg.: C220

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geology Log Legend



COMMENT:

Page 1



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01154 Number: IVB-D154 Site type: Borehole

Distr./Farm No.: Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type: Region Descr.: PROPOSED NEW WASTE SITE

Y Coord. [m]: -84675.1	Reg./BB.: CS14	Topo-set.: Flat surface, plain	Depth [m]: 37.00
X Coord. [m]: 2947451.57	G-Nr.:	Site status: In use	Col. ht. [m]: 0.29
Altitude [m]: 1501.55		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:	Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
	20010808	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to	Depth to			
Rep. Inst.	Top [m]	Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	215	20010808	CASED TO 165
JMA	25.00	37.00	165	20010808	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010820	0.00	16.00	165	Steel	3	Plain casing	0	0	0	0
	20010820	16.00	25.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Rep. Inst.	Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	17.00	18.00	1.30	Notch (V- or U-notch)				
JMA	25.00	26.00	0.20	Notch (V- or U-notch)				

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown				
	2.00	3.00	SOIL	Brown				
	3.00	7.00	CLAY	Brown				
	7.00	13.00	DOLERITE	Brown			Weathered	
	13.00	17.00	DOLERITE	Brown			Weathered	
	17.00	23.00	DOLERITE	Brown	Greyish		Broken	
	23.00	25.00	DOLERITE					
	25.00	32.00	QUARTZITE	White				
	32.00	37.00	QUARTZITE	Grey	Brownish			

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010917	1056	0.00	3.32	
	Electrical contact	Static	0	Field checked	20011002	1530	0.00	3.35	
	Electrical contact	Static	0	Field checked	20011011	1255	0.00	3.36	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
	SLUGTEST	20011011	300	0					0.929		

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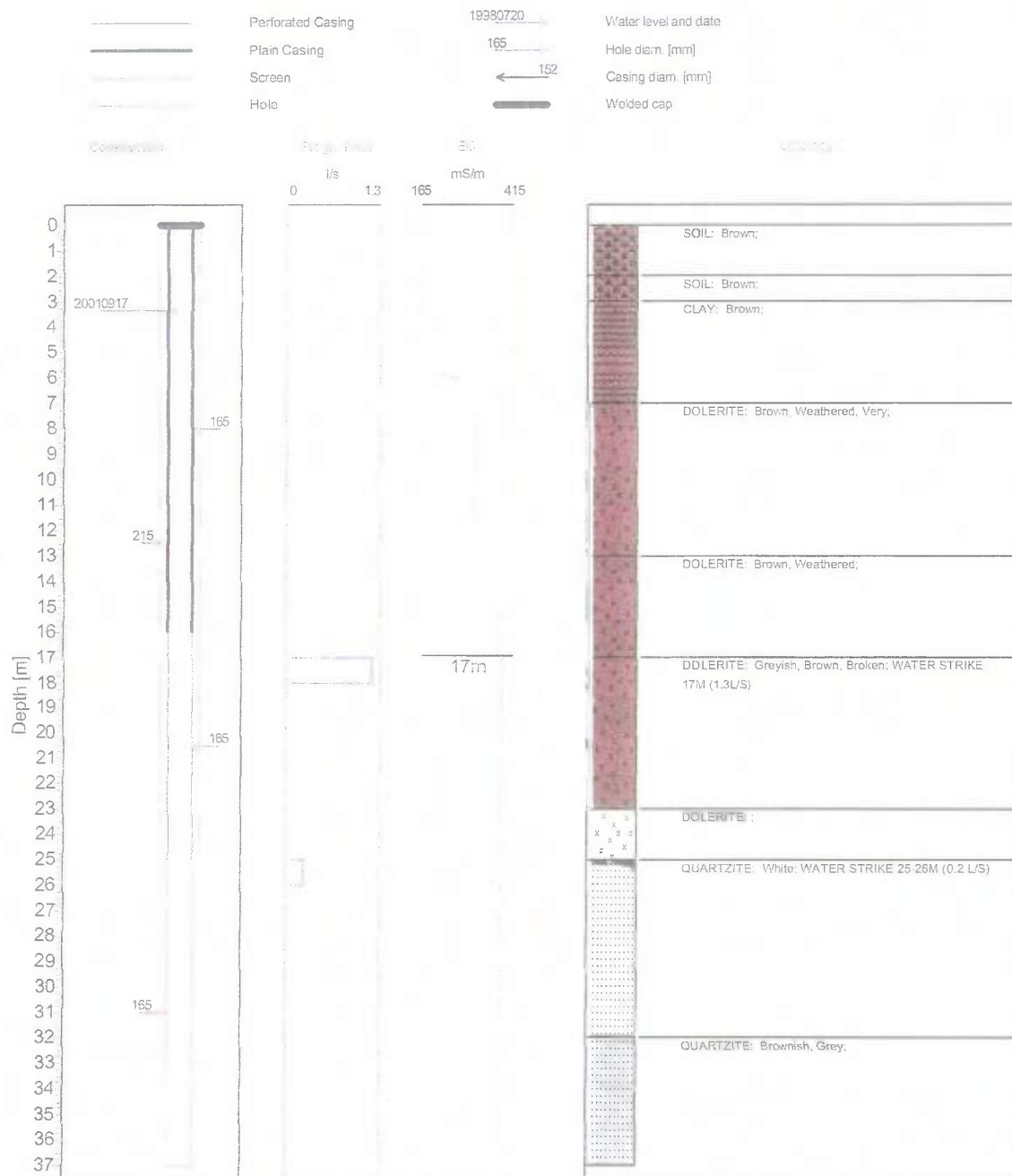
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01154 Number: IVB-D154 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -84675.100	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 37.00
X Coord. [m]: 2947451.57	Alt. No. 2: GEO7D	Site status: In use	Collar h. [m]: 0.32
Altitude [m]: 1501.55		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geophysical Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01155 Number: IVB-D155 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Region Type:

Region Descr.: PROPOSED NEW WASTE SITE

Y Coord. [m]: -84129.35	Reg./BB.: CS14	Topo-set.: Flat surface, plain	Depth [m]: 40.00
X Coord. [m]: 2947145.88	G-Nr.:	Site status: In use	Col. ht. [m]: 0.33
Altitude [m]: 1512.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010813	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	26.00	215	20010813	CASED TO 165
JMA	26.00	40.00	165	20010813	NO CASING

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010820	0.00	26.00	165	Steel	3	Plain casing	0	0	0	0
20010820	26.00	40.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	26.00	34.00	5.00	Notch (V- or U-notch)			

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	QUARTZITE				Weathered	
2.00	11.00	SOIL	Red	Brownish		Clayey	
11.00	22.00	CLAY	Yellow	Brownish			
22.00	26.00	SHALE	Brown	Greyish		Weathered	
26.00	31.00	SHALE	Grey			Weathered	
31.00	33.00	SHALE	Grey			Broken	
33.00	36.00	SHALE				Quartz rich	
36.00	40.00	DIABASE	Grey	Light			

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010917	1034	0.00	6.16	

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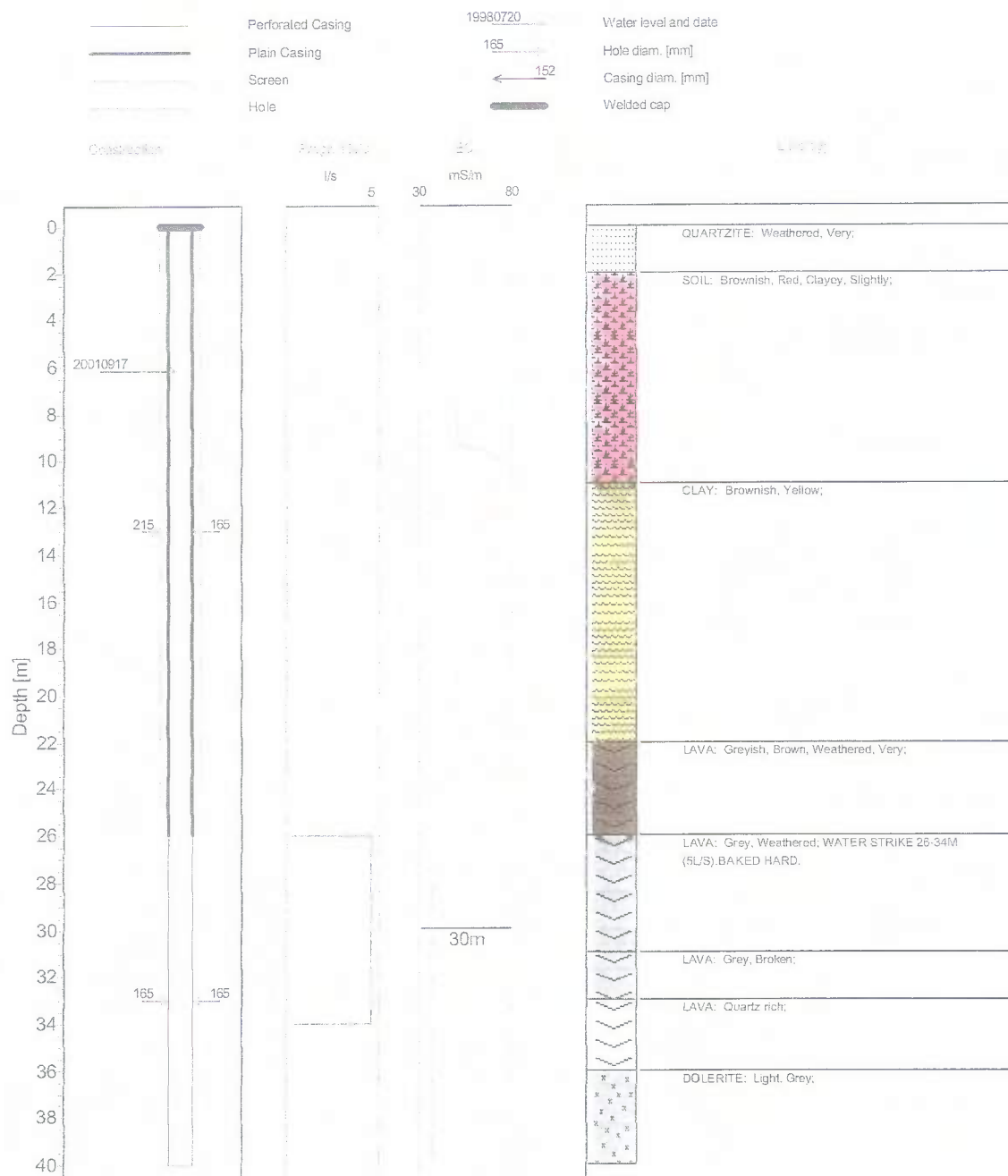
Borehole Construction and Geological Log

Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01155 Number: IVB-D155 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL GEOLOGICAL BOREHOLE IVB-D1

Y Coord. [m]: -84129.350	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 40.00
X Coord. [m]: 2947145.88	Alt. No. 2: GEO8D	Site status: In use	Collar h. [m]: 0.33
Altitude [m]: 1512.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01156 Number: IVB-D156 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D156

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY

Y Coord. [m]: -80253.87	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2947739.6	G-Nr.:	Site status: In use	Col. ht. [m]: 0.34
Altitude [m]: 1489.26		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010815	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	16.00	215	20010815	CASED TO 165
JMA	16.00	26.00	165	20010815	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010820	0.00	10.00	165	Steel	3	Plain casing	0	0	0	0
	20010820	10.00	16.00	165	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown	Dark			
1.00	5.00	CLAY	Red	Brownish			
5.00	10.00	CLAY	Brown	Yellowish			
10.00	11.00	DOLERITE	Brown	Yellowish		Weathered	
11.00	14.00	DOLERITE	Brown	Greyish			
14.00	16.00	DOLERITE	Grey	Light			
16.00	26.00	DOLERITE	Grey	Light	Fine		

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Geologist,	20010919	1040	0.00	4.15	
Electrical contact	Static	0	Geologist,	20011002	1225	0.00	4.24	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	1500	0	0	0	0 0 0	0	0.013	0	

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Borehole Construction and Geological Log

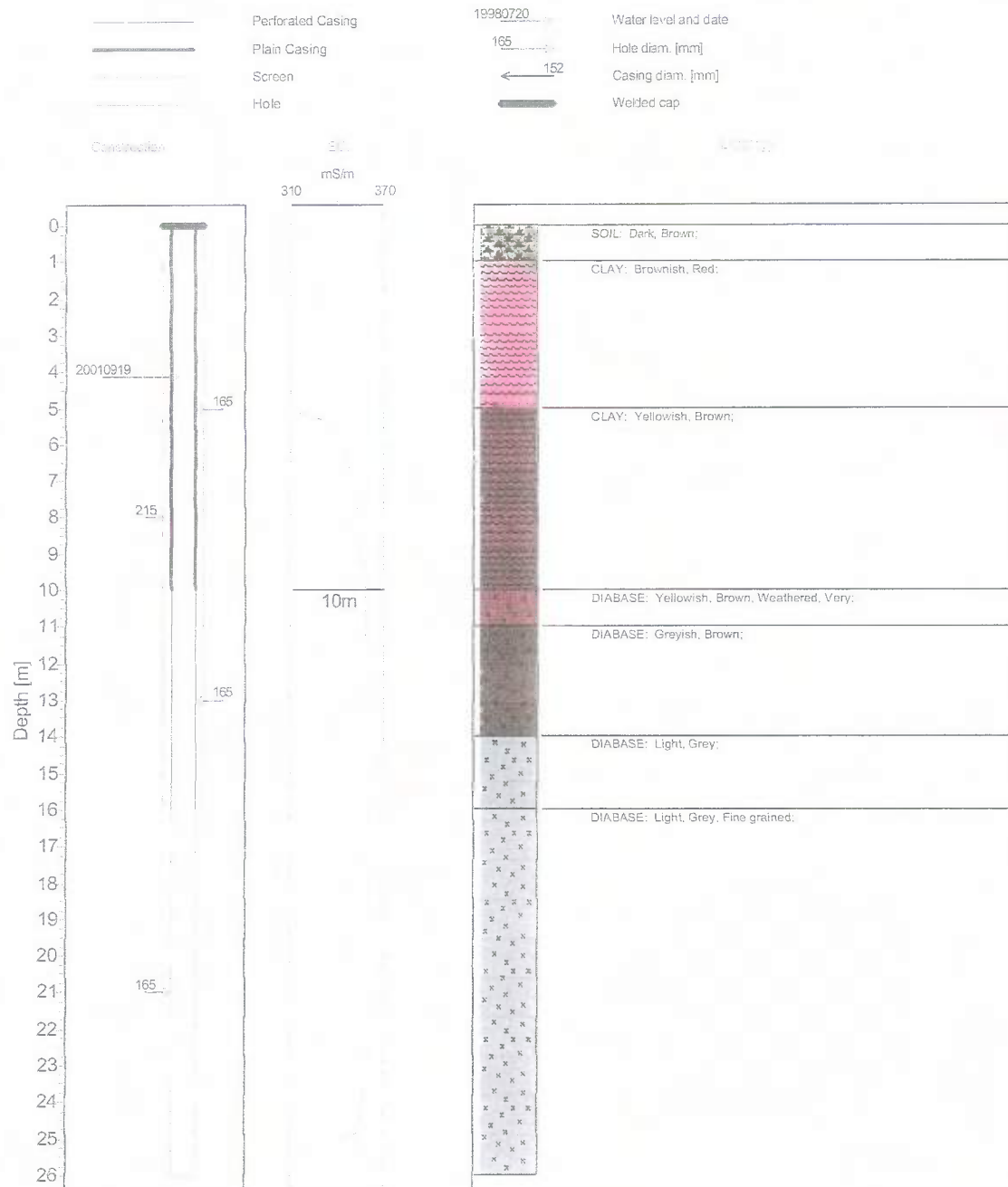
Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01156 Number: IVB-D156 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D156

Y Coord. [m]: -80253.870	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2947739.60	Alt. No. 2: ORG1D	Site status: In use	Collar h. [m]: 0.34
Altitude [m]: 1489.26		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

Page 1

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01157 Number: IVS-D157 Site type: Borehole
 Distr./Farm No.: Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D157
 Region Type: Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -79835	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949144.49	G-Nr.:	Site status: In use	Col. ht. [m]: 0.30
Altitude [m]: 1484.44		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:							
Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010814	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	19.00	215	20010814	CASED TO 165
JMA	19.00	30.00	165	20010814	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010820	0.00	13.00	165	Steel	3	Plain casing	0	0	0	0
	20010820	13.00	19.00	165	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	CLAY	Black				
	1.00	7.00	CLAY	Red	Brownish			
	7.00	10.00	DIABASE	Brown	Greyish		Weathered	
	10.00	16.00	DIABASE	Brown	Greyish		Weathered	
	16.00	20.00	DIABASE	Grey	Light		Broken	
	20.00	30.00	DIABASE	Grey			Solid	

WATER LEVEL:									
Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment	
Electrical contact	Static	0	Geologist,	20011005	1250	0.00	0.83		
Electrical contact	Static	0	Geologist,	20011008	1632	0.00	0.89		

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	1500	0	0	0	0 0 0 0 0	0	0.124	0	

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Borehole Construction and Geological Log

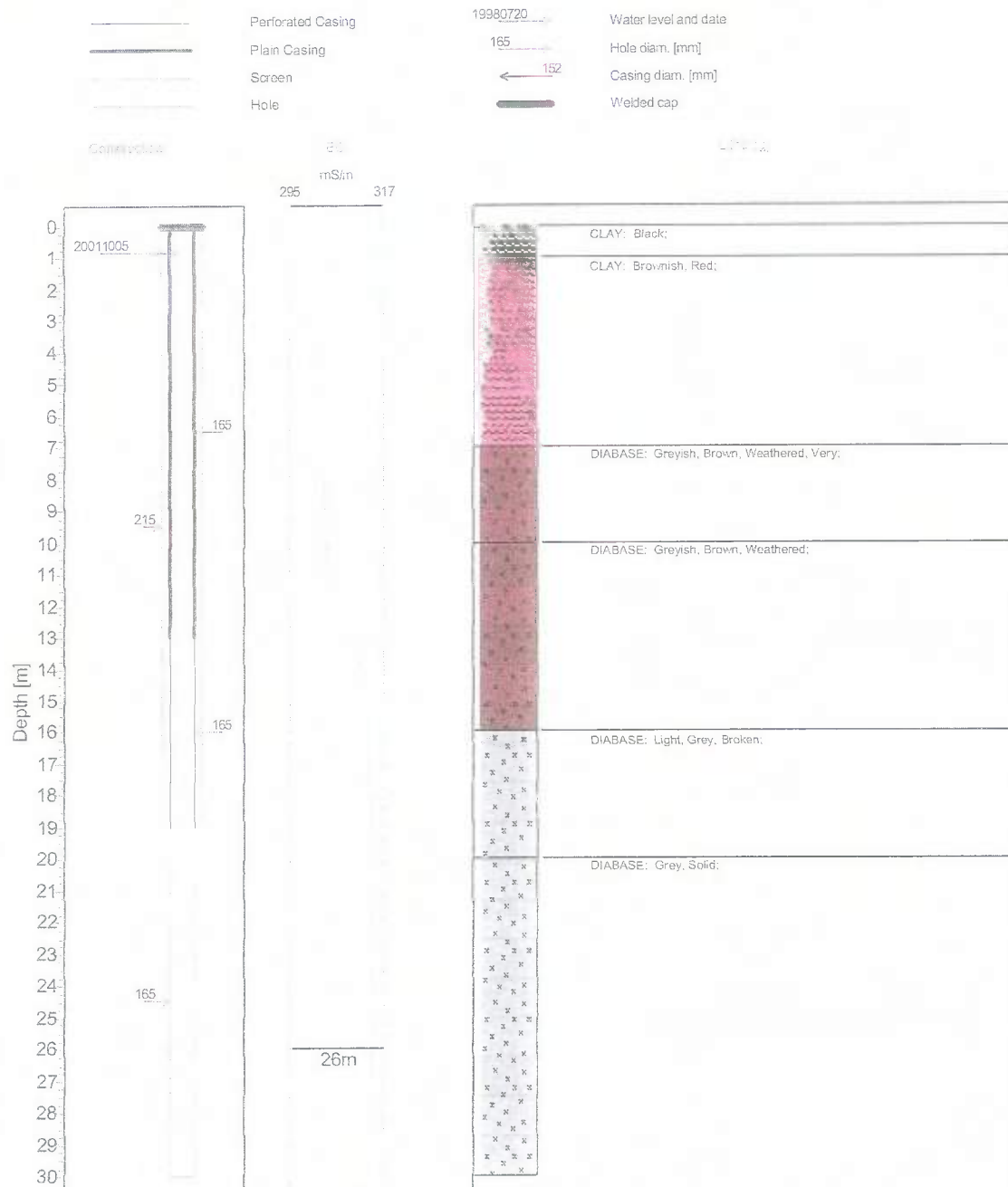
Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01157 Number: IVS-D157 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D157

Y Coord. [m]: -79835.000	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2949144.49	Alt. No. 2: ORG2D	Site status: In use	Collar h. [m]: 0.30
Altitude [m]: 1484.44		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Description and Geology Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01158 Number: IVB-D158 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D158

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]: -80034.57	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2948247.62	G-Nr.:	Site status: In use	Col. ht. [m]: 0.55
Altitude [m]: 1490.39		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010815	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	215	20010815	CASED TO 165
JMA	25.00	26.00	165	20010815	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010820	0.00	19.00	165	Steel	3	Plain casing				
	20010820	19.00	25.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	21.00	22.00	0.10	Notch (V- or U-notch)			

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown	Light			
	2.00	6.00	SOIL	Red	Brownish		Clayey	
	6.00	12.00	SOIL	Brown	Yellowish		Clayey	
	12.00	14.00	DIABASE	Brown			Weathered	
	14.00	18.00	DIABASE	Brown	Greyish		Weathered	
	18.00	25.00	DIABASE	Brown	Greyish		Broken	
	25.00	26.00	DIABASE	Black	Greyish		Solid	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Geologist,	20010919	1340	0.00	3.40	TAR
Electrical contact	Static	0	Geologist,	20011012	0855	0.00	3.18	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011012	900	0					0.789		

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Borehole Construction and Geological Log

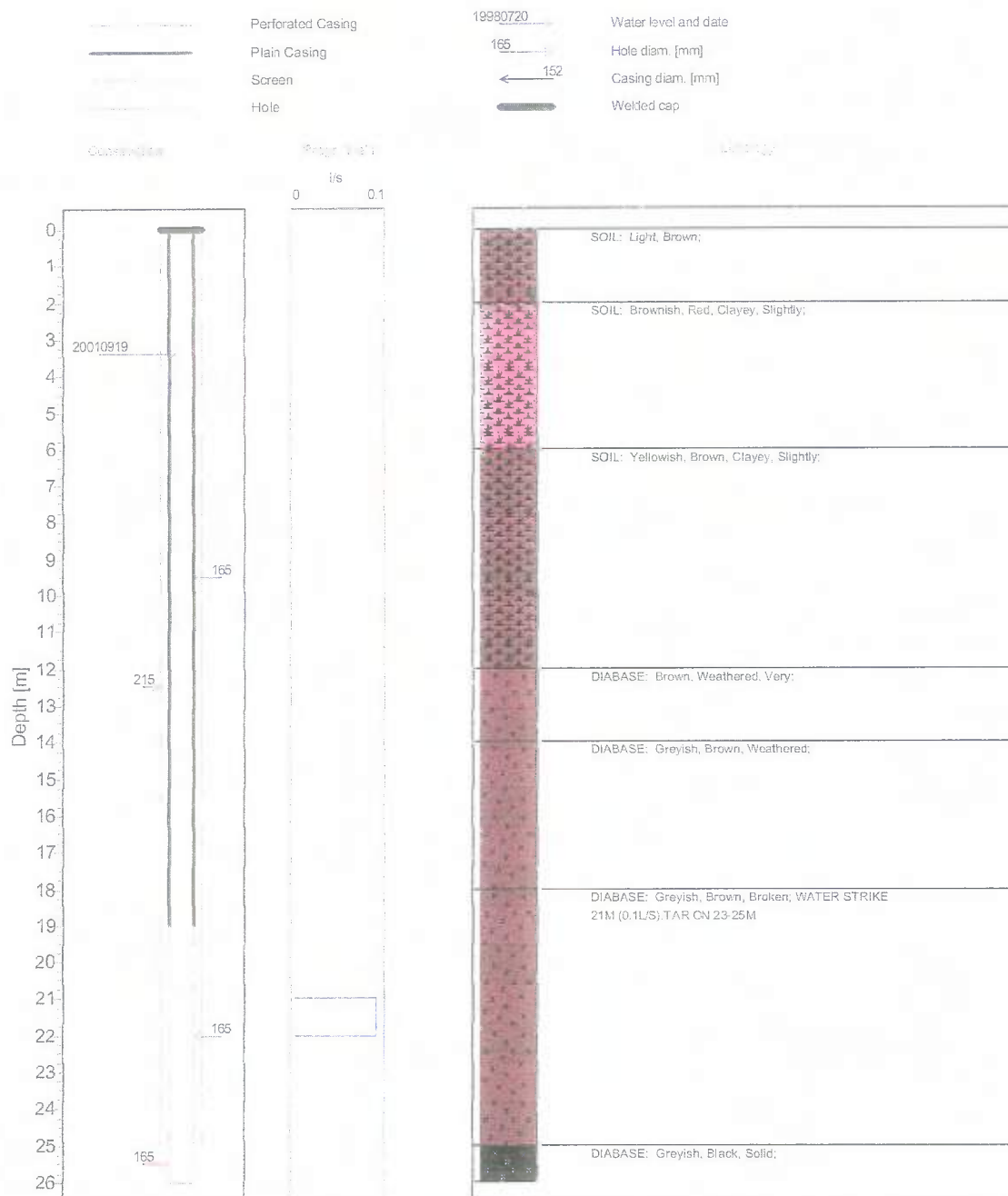
Date compiled: 11/21/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01158 Number: IVB-D158 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D158

Y Coord. [m]: -80034.570	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 26.00
X Coord. [m]: 2948247.62	Alt. No. 2: ORG3D	Site status: In use	Collar h. [m]: 0.55
Altitude [m]: 1490.39		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Log



COMMENT:
Tar.

Page 1

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01159 Number: IVB-D159 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D159

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]:	-80034.44	Reg./BB.:	Topo-set.:	Flat surface, plain	Depth [m]:	37.00
X Coord. [m]:	2948141.62	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.45
Altitude [m]:	1490.50		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010815	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	15.50	215	20010815	CASED TO 165
JMA	15.50	37.00	165	20010815	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010820	0.00	15.50	165	Steel	3	Plain casing	0	0	0	0

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	23.00	24.00	0.10	Notch (V- or U-notch)			

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	4.00	SOIL	Red	Brownish		Clayey	
	4.00	7.00	SOIL	Brown	Yellowish		Clayey	
	7.00	9.00	DIABASE	Brown			Weathered	
	9.00	15.00	DIABASE	Brown	Greyish		Weathered	
	15.00	19.00	DIABASE	Grey	Light		Broken	
	19.00	22.00	DIABASE	Grey		Fine		
	22.00	24.00	DIABASE	Grey			Broken	
	24.00	28.00	SHALE	Black			Broken	
	28.00	37.00	SHALE	Black			Solid	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010918	1350	0.00	3.30	
Electrical contact	Static	0	Field checked	20011002	1150	0.00	3.40	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	1500	0	0	0	0	0	0	0.045	0	

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Borehole Construction and Geological Log

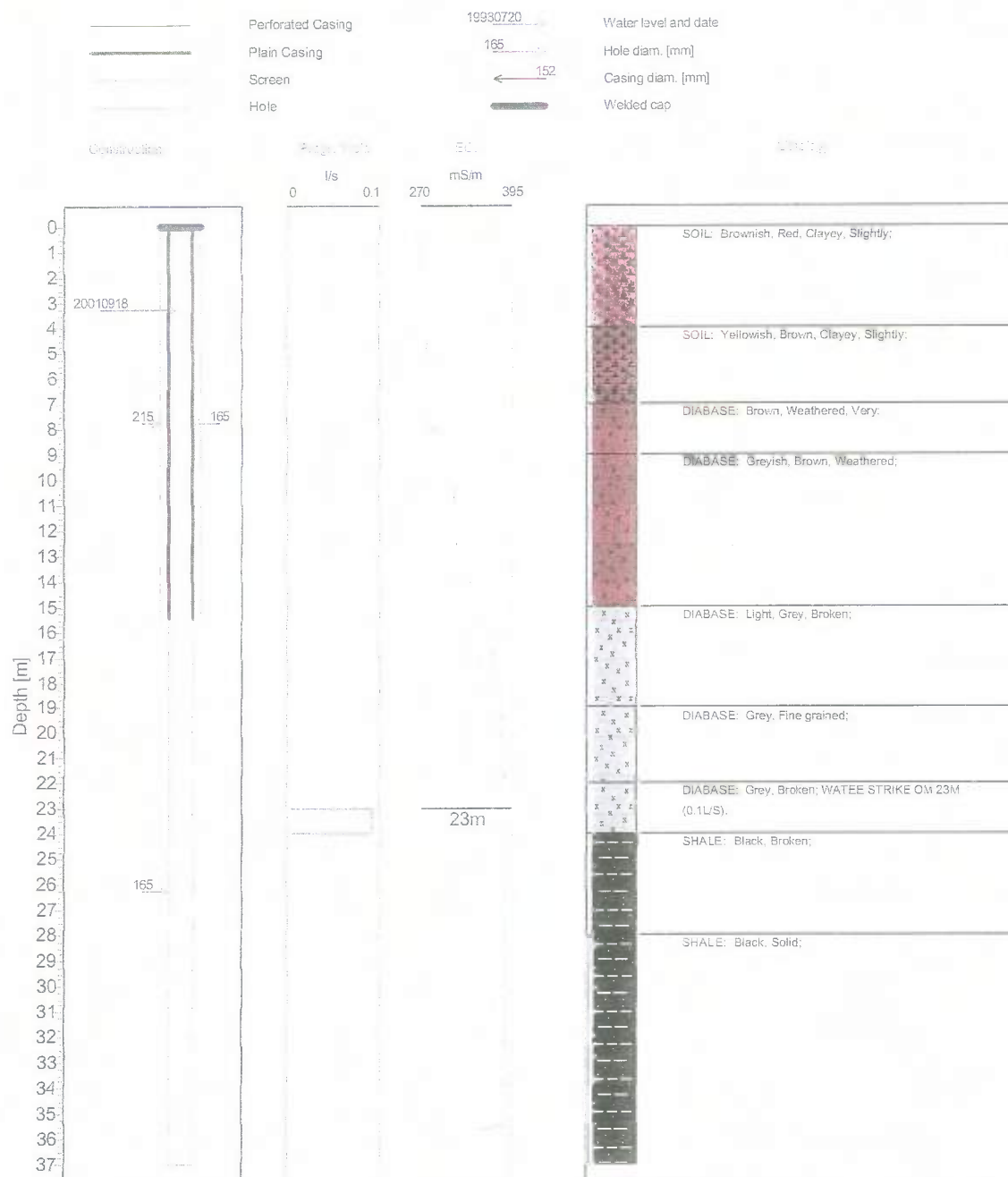
Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01159 Number: IVB-D159 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D159

Y Coord. [m]: -80034.440	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 37.00
X Coord. [m]: 2948141.62	Alt. No. 2: ORG4D	Site status: In use	Collar h. [m]: 0.45
Altitude [m]: 1490.50		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

Page 1

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01160 Number: IVB-D160 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D160

Region Type:

Region Descr.: NORTH EASTERN BOUNDARY / BACKGROUND

Y Coord. [m]: -84467.28

Reg./BB.:

Topo-set.: Flat surface, plain

Depth [m]: 31.00

X Coord. [m]: 2945257.51

Site status: In use

Col. ht. [m]: 0.10

Altitude [m]: 1519.90

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Durat.

Special treatment

Constr. cost

20010816 EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

19.00

215

20010816

CASED TO 165

JMA

19.00

31.00

165

20010816

NO CASING

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010816

0.00

13.00

165

Steel

3

Plain casing

20010816

13.00

19.00

165

Steel

3

Perforated or slotted

250

2

43

250

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

1.00

SOIL

Brown

Reddish

1.00

3.00

LAVA

Brown

Greyish

Weathered

3.00

9.00

LAVA

Grey

Weathered

9.00

14.00

LAVA

Grey

Brownish

Fractured

14.00

18.00

LAVA

Grey

Brownish

Weathered

18.00

31.00

LAVA

Grey

Fine

Fresh

WATER LEVEL:

Meth. meas.

Level status

Piez. Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20010917

1212

0.00

12.22

Electrical contact

Static

0

Field checked

20011001

1207

0.00

12.24

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate[l/s]

Drawd. [m]

Recovery: %

[min]

Trans. [m³/d]

Perm. [mld]

Storat.

Comment

SLUGTEST

20010912

1500

0

0

0

0

0

0

0

0

0

0

0.132

0

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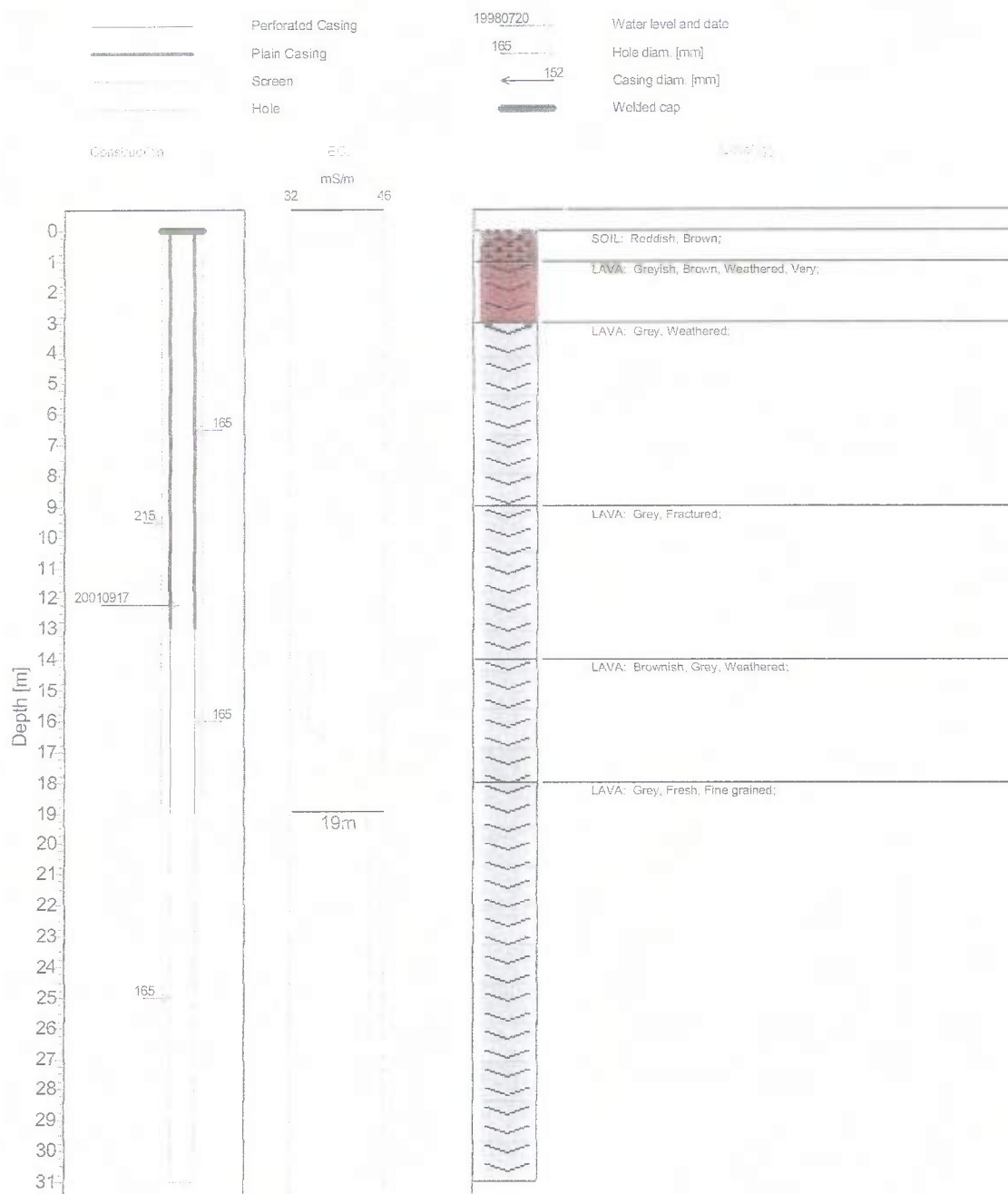
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2527DB01160 Number: IVB-D160 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D160

Y Coord. [m]:	-84467.280	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]:	31.00
X Coord. [m]:	2945257.51	Alt. No. 2: PL-2D	Site status: In use	Collar h. [m]:	0.10
Altitude [m]:	1519.90		Site purp.: Observation	Drain. reg.: C220	
Coord. acc.: Accurate to within 10 units			Use applic.: Industrial - industrial	Diam. [mm]:	165
Coord. meth.: Global Positioning System			Equipment: No equipment	Rep. inst.: JMA	

Construction and Geological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01161 Number: IVB-D161 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D161

Region Type:

Region Descr.: NORTHERN BOUNDARY BACKGROUND

Y Coord. [m]: -81581.98	Reg./BB.:	Topo-set.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2944803.83	G-Nr.:	Site status: In use	Col. ht. [m]: 0.03
Altitude [m]: 1490.91		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010818	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	26.00	215	20010816	CASED TO 165
JMA	26.00	31.00	165	20010816	NO CASING

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010816	0.00	20.00	165	Steel	3	Plain casing				
20010816	20.00	26.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	20.00	21.00	1.50	Estimated		Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Brown	Reddish			
1.00	3.00	SOIL	Brown	Reddish		Clayey	
3.00	7.00	SOIL	Brown	Yellowish		Clayey	
7.00	16.00	DIABASE	Brown			Weathered	
16.00	22.00	DIABASE	Grey	Brownish		Weathered	
22.00	26.00	DIABASE	Grey			Fractured	
26.00	31.00	DIABASE	Grey		Fine	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Geologist,	20010919	1428	0.00	4.25	
Electrical contact	Static	0	Geologist,	20011001	1010	0.00	4.33	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	600	0	0	0	0	0	0	0.759	0	

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Borehole Construction and Geological Log

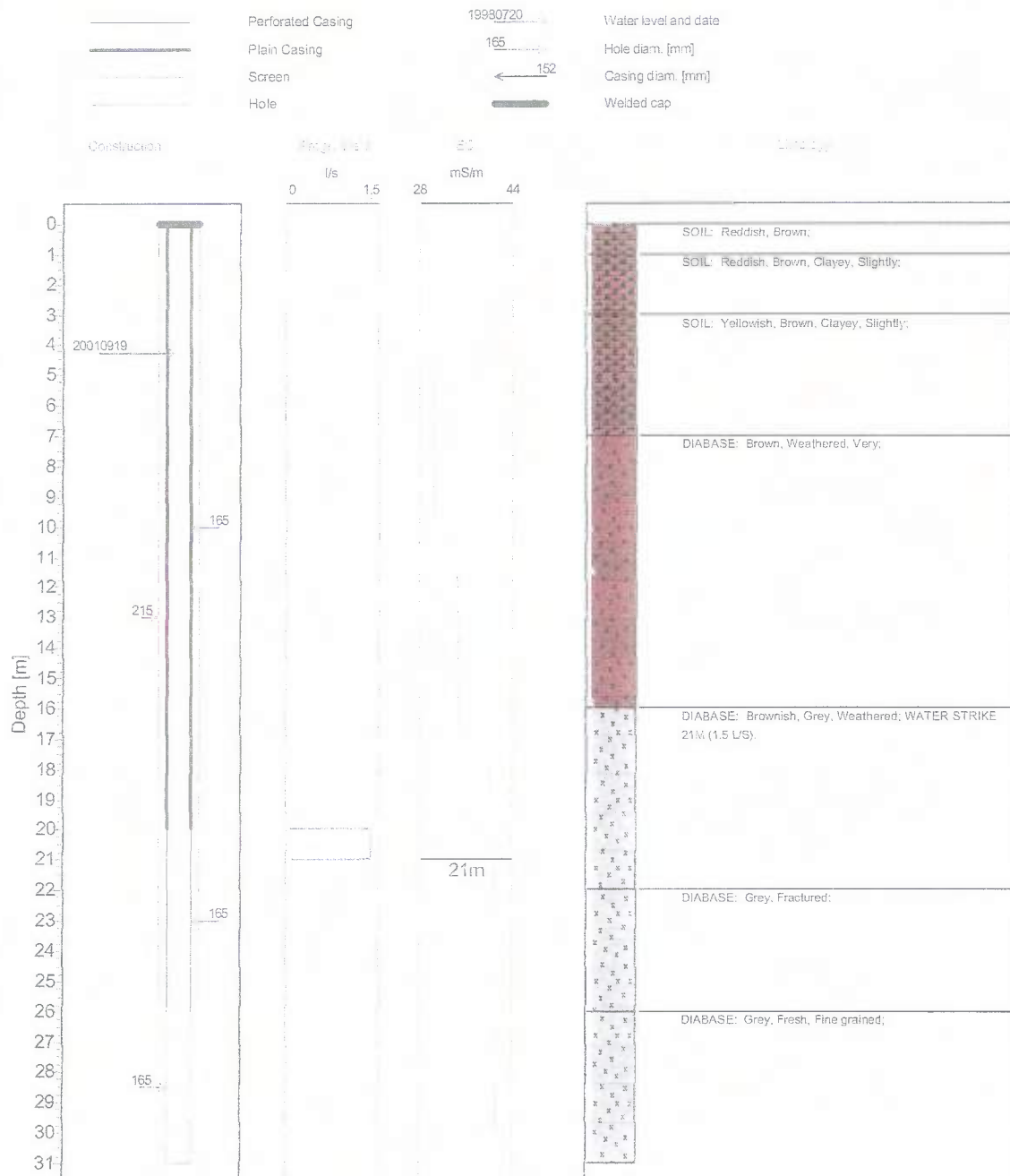
Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01161 Number: IVB-D161 Site type: Borehole

District/Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D161

Y Coord. [m]:	-81581.980	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]:	31.00
X Coord. [m]:	2944803.83	Alt. No. 2: PL-4D	Site status: In use	Collar h. [m]:	0.03
Altitude [m]:	1490.91		Site purp.: Observation	Drain. reg.: C220	
Coord. acc.: Accurate to within 10 units			Use applic.: Industrial - industrial	Diam. [mm]:	165
Coord. meth.: Global Positioning System			Equipment: No equipment	Rep. inst.: JMA	

Construction and Geohydrologic Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01162 Number: IVB-D162 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D162

Region Type:

Region Descr.: NORTHERN BOUNDARY BACKGROUND

Y Coord. [m]: -83092.66

Reg./BB.:

Topo-set.: Hillside (slope)

Depth [m]: 41.00

X Coord. [m]: 2944788.17

Site status: In use

Col. ht. [m]: 0.07

Altitude [m]: 1515.84

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010817	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	38.00	215	20010817	CASED TO 165
JMA	38.00	41.00	165	20010817	NO CASING

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010817	0.00	30.00	165	Steel	3	Plain casing				
20010817	30.00	38.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	34.00	35.00	0.30	Estimated		Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL	Brown	Reddish			
2.00	3.00	QUARTZITE	Yellow	Light			
3.00	4.00	SHALE	Brown	Light		Weathered	
4.00	5.00	SHALE	Purple			Weathered	
5.00	11.00	SHALE	Brown	Yellowish		Weathered	
11.00	13.00	SHALE	Pink	Light		Weathered	
13.00	21.00	SHALE	Brown	Light		Weathered	
21.00	26.00	SHALE	Brown	Yellowish		Weathered	
26.00	31.00	SHALE	Brown	Light		Fractured	
31.00	35.00	NO SAMPLE					
35.00	41.00	SHALE	Grey	Light		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010917	1133	0.00	6.34	
Electrical contact	Static	0	Field checked	20011001	1125	0.00	6.36	

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	1500	0	0	0	0	0	0	0.049	0	

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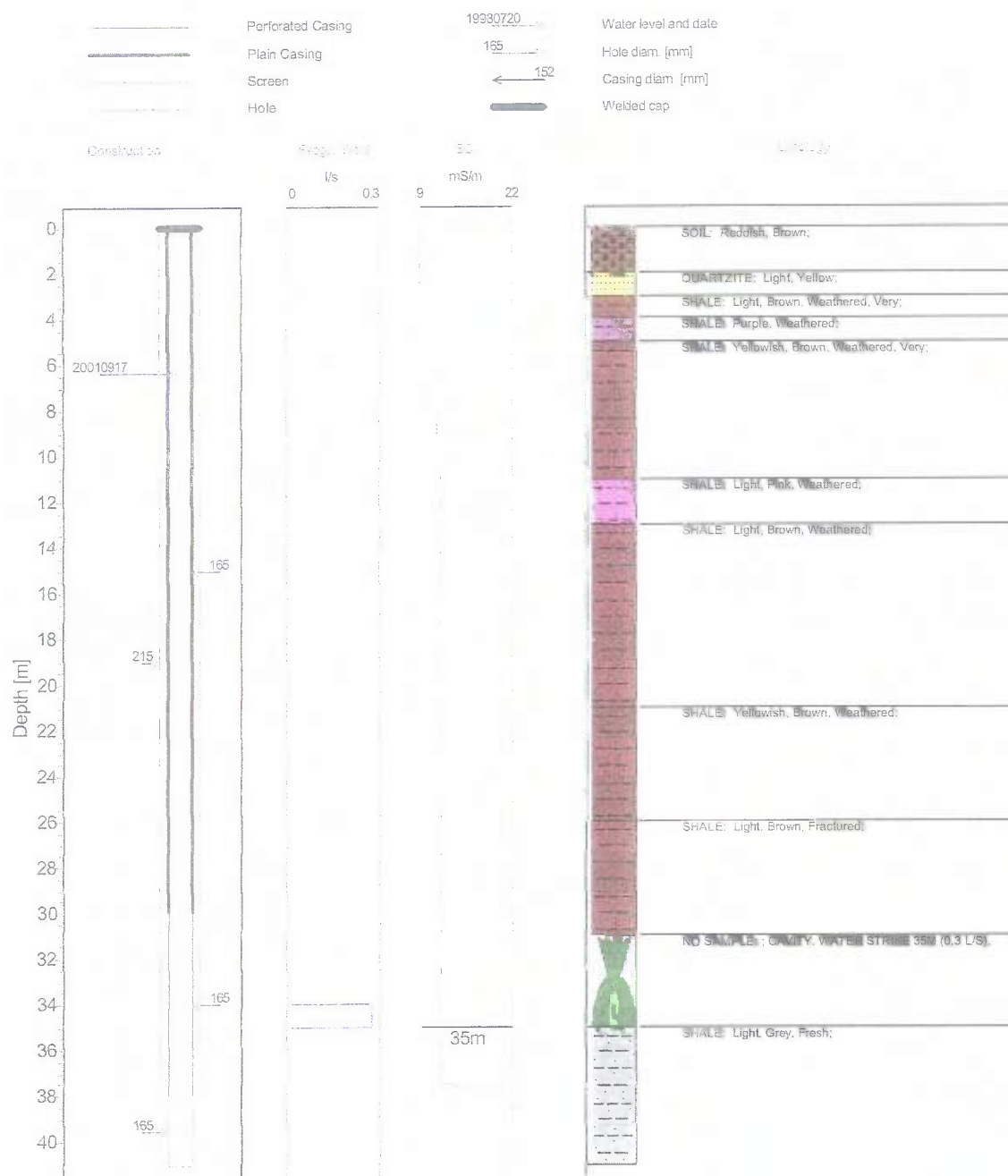
Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01162 Number: IVB-D162 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D162

Y Coord. [m]: -83092.660	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 41.00
X Coord. [m]: 2944788.17	Alt. No. 2: PL-3D	Site status: In use	Collar h. [m]: 0.07
Altitude [m]: 1515.84		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geological Legend



COMMENT:



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01163 Number: IVB-D163 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D163

Region Type:

Region Descr.: NORTH EASTERN BOUNDARY / BACKGROUND

Y Coord. [m]: -85115.93

Reg./BB.:

Topo-set.: Hillside (slope)

Depth [m]: 31.00

X Coord. [m]: 2945784.7

Site status: In use

Col. ht. [m]: 0.18

Altitude [m]: 1514.43

G-Nr.:

Site purp.: Observation

Drain. reg.: C220

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Global Positioning System

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Durat.

Special treatment

Constr. cost

20010831

EDMS

Air percussion

Open bottom

Pumped with air

0 Pumped with

0.00

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date const.

Comment

JMA

0.00

18.00

215

20010918

JMA

18.00

31.00

165

20010918

CASING DETAILS:

Date inst.

Dep. to top [m]

Bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Opening Type

Length

Width

Hori. dist.

Vert. dist.

20010918

0.00

12.00

165

Steel

3

Plain casing

20010918

12.00

18.00

165

Steel

3

Perforated or slotted

250

2

43

250

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

17.00

18.00

0.80

Notch (V- or U-notch)

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

2.00

SOIL

Brown

Reddish

2.00

11.00

CLAY

Brown

Yellowish

11.00

13.00

LAVA

Brown

Greyish

Weathered

13.00

18.00

LAVA

Grey

Broken

18.00

31.00

LAVA

Green

Greyish

Solid

WATER LEVEL:

Meth. meas.

Level status

Piez.

Info source

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20010917

1245

0.00

13.40

Electrical contact

Static

0

Field checked

20011001

1245

0.00

13.47

TESTING DETAILS:

Description

Date started

Durat. [s]

Depth to intk. [m]

Disch. rate [l/s]

Drawd. [m]

Recovery: [m] %

[min]

 Trans. [m²/d]

Perm. [m/d]

Stor.

Comment

SLUGTEST

20010912

120

0

0

0

0

0

0

0

1.764

0

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Borehole Construction and Geological Log

Date compiled: 11/7/01

BASIC SITE INFORMATION: Site Identifier: 262TDB01163 Number: IVB-D163 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D163

Y Coord. [m]: -85115.930	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 31.00
X Coord. [m]: 2945784.70	Alt. No. 2: PL-1D	Site status: In use	Collar h. [m]: 0.18
Altitude [m]: 1514.43		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01164 Number: IVB-D164 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D164

Region Type:

Region Descr.: NORTH PLANT / FAULT ZONE

Y Coord. [m]: -85435.14	Reg./BB.:	Topo-set: Hillside (slope)	Depth [m]: 41.00
X Coord. [m]: 2949343.65	G-Nr.:	Site status: In use	Col. ht. [m]: 0.61
Altitude [m]: 1482.75		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010820	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	38.00	215	20010820	CASED TO 165
JMA	38.00	41.00	165	20010820	NO CASING

CASING DETAILS:

Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
20010820	0.00	30.00	165	Steel	3	Plain casing				
20010820	30.00	38.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	33.00	34.00	2.00	Estimated		Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	2.00	SOIL	Brown	Reddish			
2.00	5.00	SOIL	Brown			Clayey	
5.00	11.00	SHALE	Brown	Light		Weathered	
11.00	25.00	SHALE	Brown	Yellowish		Weathered	
25.00	28.00	SHALE	Brown			Weathered	
28.00	36.00	SHALE	Grey	Brownish		Fractured	
36.00	41.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010918	1020	0.00	11.91	
Electrical contact	Static	0	Field checked	20011002	0710	0.00	11.95	
Electrical contact	Static	0	Field checked	20011011	0950	0.00	12.00	SLUGTEST

TESTING DETAILS:

Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	Trans. [m²/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20011011	300	0					0.848		

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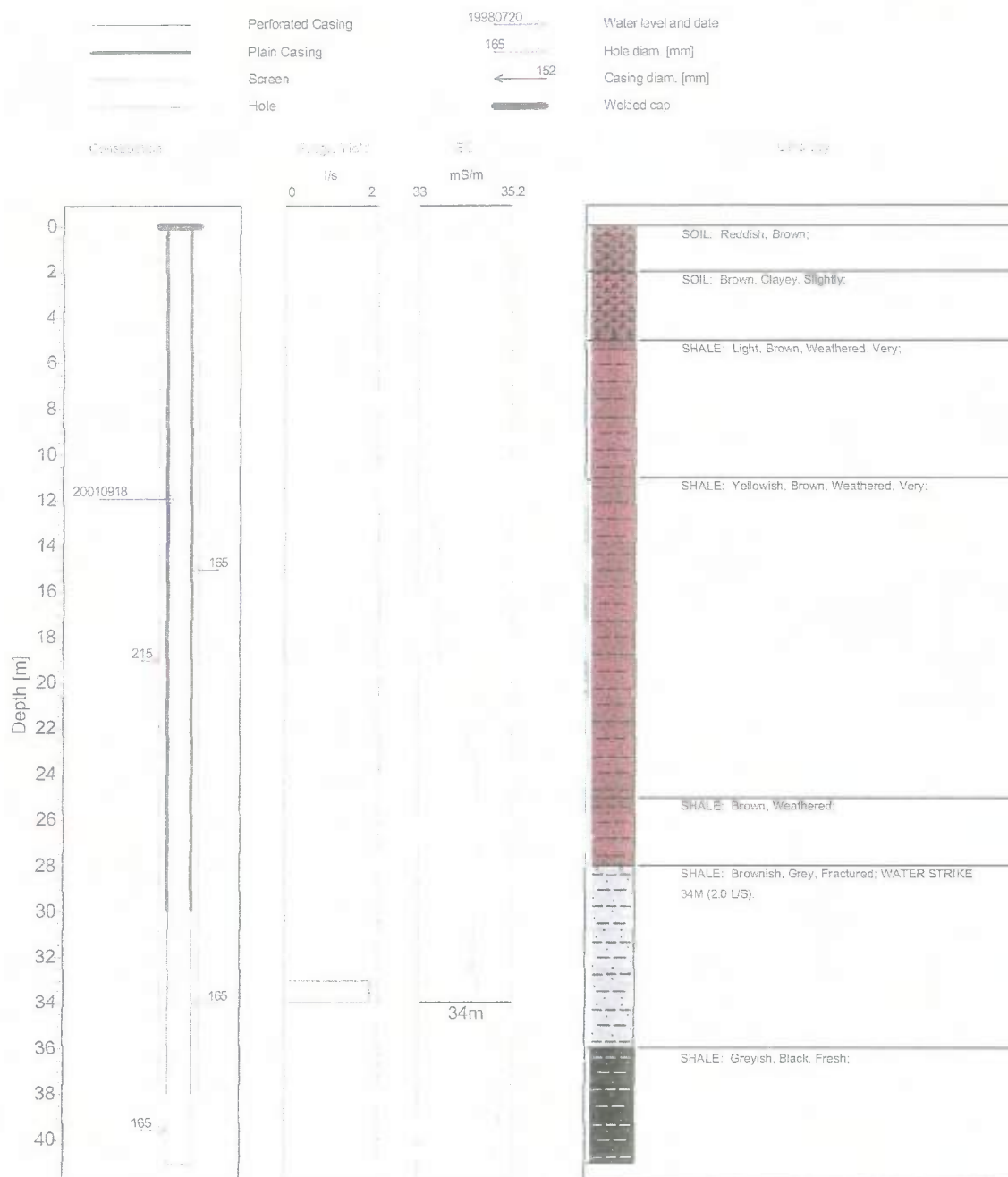
Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01164 Number: IVB-D164 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D164

Y Coord. [m]: -85435.140	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 41.00
X Coord. [m]: 2949343.65	Alt. No. 2: PL-17D	Site status: In use	Collar h. [m]: 0.61
Altitude [m]: 1482.75		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - Industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01165 Number: IVB-D165 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D165

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-85725.76	Reg./BB.:	Topo-set.:	Hillside (slope)	Depth [m]:	35.00
X Coord. [m]:	2947609.42	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.30
Altitude [m]:	1493.35		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010822	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	30.00	215	20010822	CASED TO 165
JMA	30.00	35.00	165	20010822	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010822	0.00	24.00	165	Steel	3	Plain casing				
	20010822	24.00	30.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	23.00	24.00	3.00	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	CLAY	Brown	Dark			
	2.00	10.00	QUARTZITE	Brown			Weathered	
	10.00	14.00	QUARTZITE	Brown			Weathered	
	14.00	17.00	QUARTZITE	Grey	Brownish		Fractured	
	17.00	29.00	SHALE	Black	Greyish		Fractured	
	29.00	35.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010918	0840	0.00	2.28	
Electrical contact	Static	0	Field checked	20011001	1410	0.00	2.45	
Electrical contact	Static	0	Field checked	20011010	1530	0.00	2.69	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011010	300	0					1.51		

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Borehole Construction and Geological Log

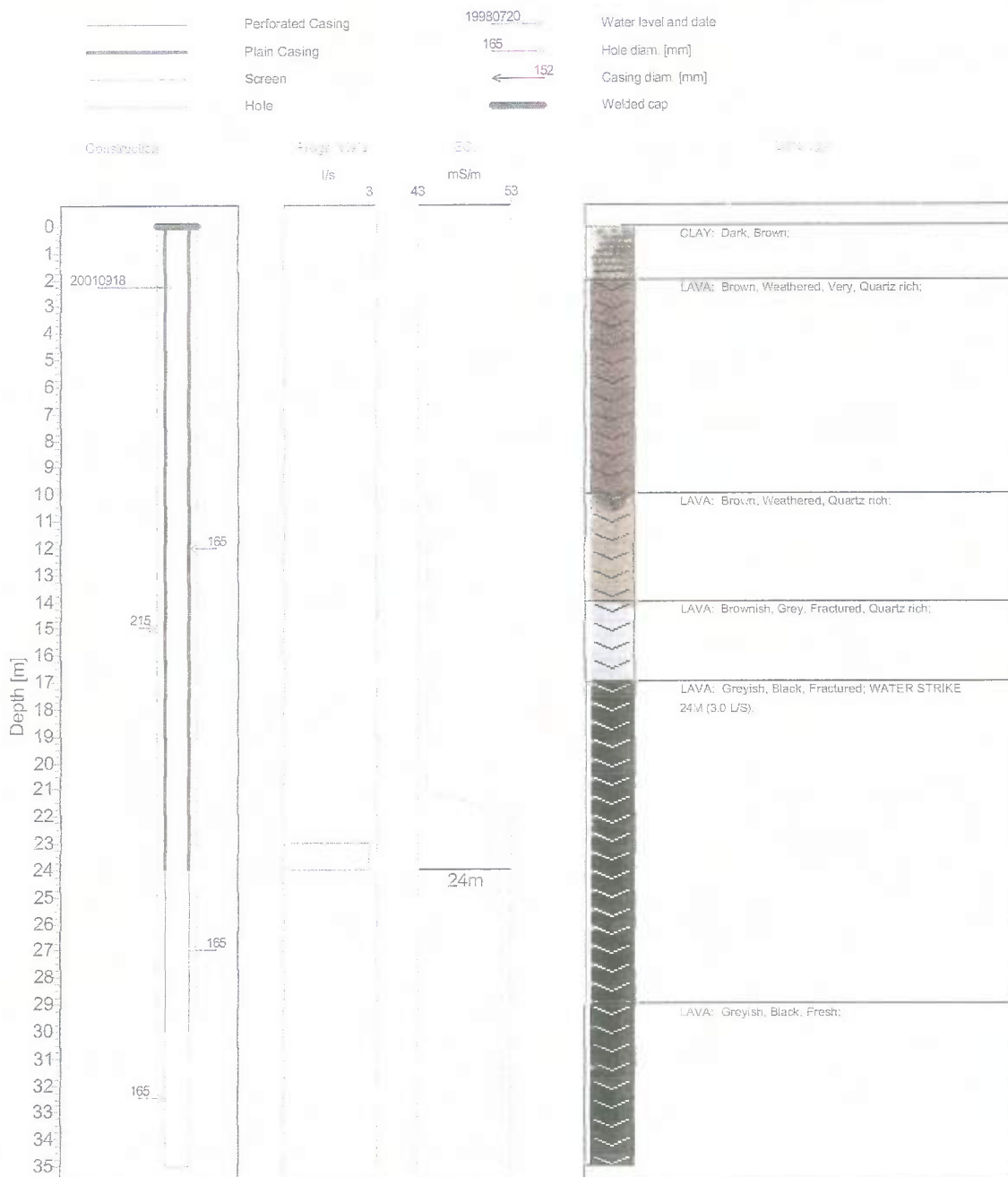
Date compiled: 5/31/02

BASIC SITE INFORMATION: Site Identifier: 2627DB01165 Number: IVB-D165 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D165

Y Coord. [m]: -85725.760	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 35.00
X Coord. [m]: 2947609.42	Alt. No. 2: PL-19D	Site status: In use	Collar h. [m]: 0.30
Altitude [m]: 1493.35		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01166 Number: IVB-D166 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D16

Region Type:

Region Desc.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-85851.43	Reg.IBB.: G-Nr.:	Topo-set:	Hillside (slope)	Depth [m]:	35.00
X Coord. [m]:	2947821.11		Site status:	In use	Col. ht. [m]:	0.05
Altitude [m]:	1490.70		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010821	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	25.00	215	20010821	CASED TO 165
JMA	25.00	35.00	165	20010821	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010821	0.00	19.00	165	Steel	3	Plain casing				
	20010821	19.00	25.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
	JMA	19.00	20.00	0.60	Estimated		Geologist, technician,	
	JMA	24.00	25.00	0.20	Estimated		Geologist, technician,	

GEOLGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	3.00	CLAY	Black				
	3.00	13.00	CLAY	Brown				
	13.00	18.00	QUARTZITE	Brown			Weathered	
	18.00	21.00	QUARTZITE	Grey	Brownish		Weathered	Weathered
	21.00	25.00	QUARTZITE	Green	Brownish	Fine	Fresh	
	25.00	32.00	LAVA	Grey	Brownish		Fractured	
	32.00	35.00	LAVA	Grey	Dark		Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20010918	0936	0.00	2.50	
Electrical contact	Static	0	Field checked	20011001	1505	0.00	2.28	
Electrical contact	Static	0	Field checked	20011010	1620	0.00	2.90	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: % [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
	SLUGTEST	20011010	1500	0					0.086		

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Borehole Construction and Geological Log

Date compiled: 5/31/02

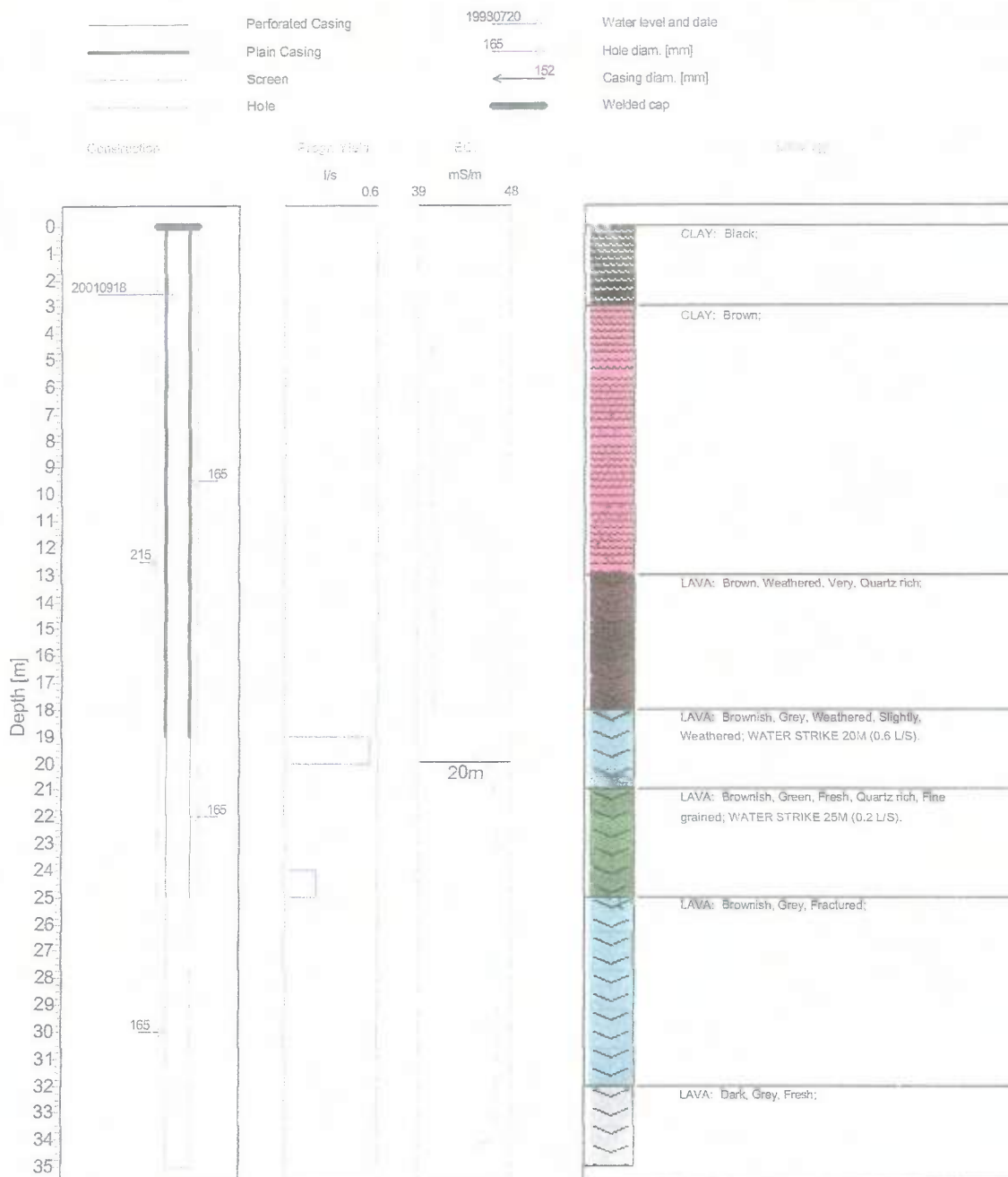
BASIC SITE INFORMATION: Site Identifier: 2627DB01166 Number: IVB-D166 Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PERIMETER BOREHOLE IVB-D16

Y Coord. [m]: -85851.430	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 35.00
X Coord. [m]: 2947821.11	Alt. No. 2: PL-18D	Site status: In use	Collar h. [m]: 0.05
Altitude [m]: 1490.70		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geo-hydrology Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01167 Number: IVB-D167 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D167

Region Type:

Region Descr.: PROPOSED NEW WASTE SITE

Y Coord. [m]:	-85247.84	Reg.IBB.:	Topo-set:	Hillside (slope)	Depth [m]:	36.00
X Coord. [m]:	2946545.52	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.14
Altitude [m]:	1511.09		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

CONSTRUCTION:		Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
Date const.	Contractor						
20010824	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	21.00	215	20010824	CASED TO 165
JMA	21.00	36.00	165	20010824	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010824	0.00	15.00	165	Steel	3	Plain casing				
	20010824	15.00	21.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
Rep. Inst.							
JMA	19.00	20.00	1.00	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown	Reddish			
	1.00	5.00	CLAY	Red				
	5.00	14.00	CLAY	Brown	Light			
	14.00	17.00	LAVA	Brown	Light		Weathered	
	17.00	21.00	LAVA	Grey	Brownish		Weathered	
	21.00	26.00	LAVA	Grey	Light		Fractured	
	26.00	36.00	LAVA	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010917	1355	0.00	11.73	
	Electrical contact	Static	0	Field checked	20011001	1315	0.00	11.81	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
Description						% [min]				
SLUGTEST	20010912	90	0	0	0	0 0 0 0 0	0	2.642	0	

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Date compiled: 11/7/01

Site Identifier: 2627DB01167 Number: IVB-D167

Site type: Borehole

Site Name/Desc.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D167

Alt. No. 1:

Depth [m]:	36.00
------------	-------

Alt. No. 2: PL-20D

Site status: In use

Collar h. [m]: 0.14

Site purp.: Observation

Drain. reg.: C220

Use applic.: Industrial - industrial

Diam. [mm]: 165

Equipment: No equipment

Rep. inst.: JMA



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01168 Number: IVB-D168 Site type: Borehole
 Distr./Farm No.: Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D168
 Region Type: Region Descr.: ELECTRO SLAG AREA / SECONDARY INDUS

Y Coord. [m]: -79447.7	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 35.00
X Coord. [m]: 2951104.79	G-Nr.:	Site status: In use	Col. ht. [m]: 0.04
Altitude [m]: 1485.78		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:	Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
	20010823	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	24.00	215	20010823	CASED TO 165
JMA	24.00	35.00	165	20010823	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010823	0.00	18.00	165	Steel	3	Plain casing				
	20010823	18.00	24.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	19.00	0.20	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	CLAY	Brown				
	2.00	6.00	SHALE	White	Greyish		Weathered	
	6.00	14.00	SHALE	Brown			Weathered	
	14.00	16.00	SHALE	Brown			Weathered	
	16.00	18.00	SHALE	White	Greyish		Weathered	
	18.00	23.00	SHALE	Grey			Fractured	
	23.00	35.00	SHALE	Black	Greyish	Fine	Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010918	1210	0.00	2.32	
	Electrical contact	Static	0	Field checked	20011002	0935	0.00	2.36	
	Electrical contact	Static	0	Field checked	20011011	0740	0.00	3.30	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [min]	Trans. [m ² /d]	Perm. [m ² /d]	Storat.	Comment
SLUGTEST	20011011	1500	0					0.122		

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Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01168 Number: IVB-D168 Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D168

Y Coord. [m]: -79447.700

X Coord. [m]: 2951104.79

Altitude [m]: 1485.78

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: PL-14D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 35.00

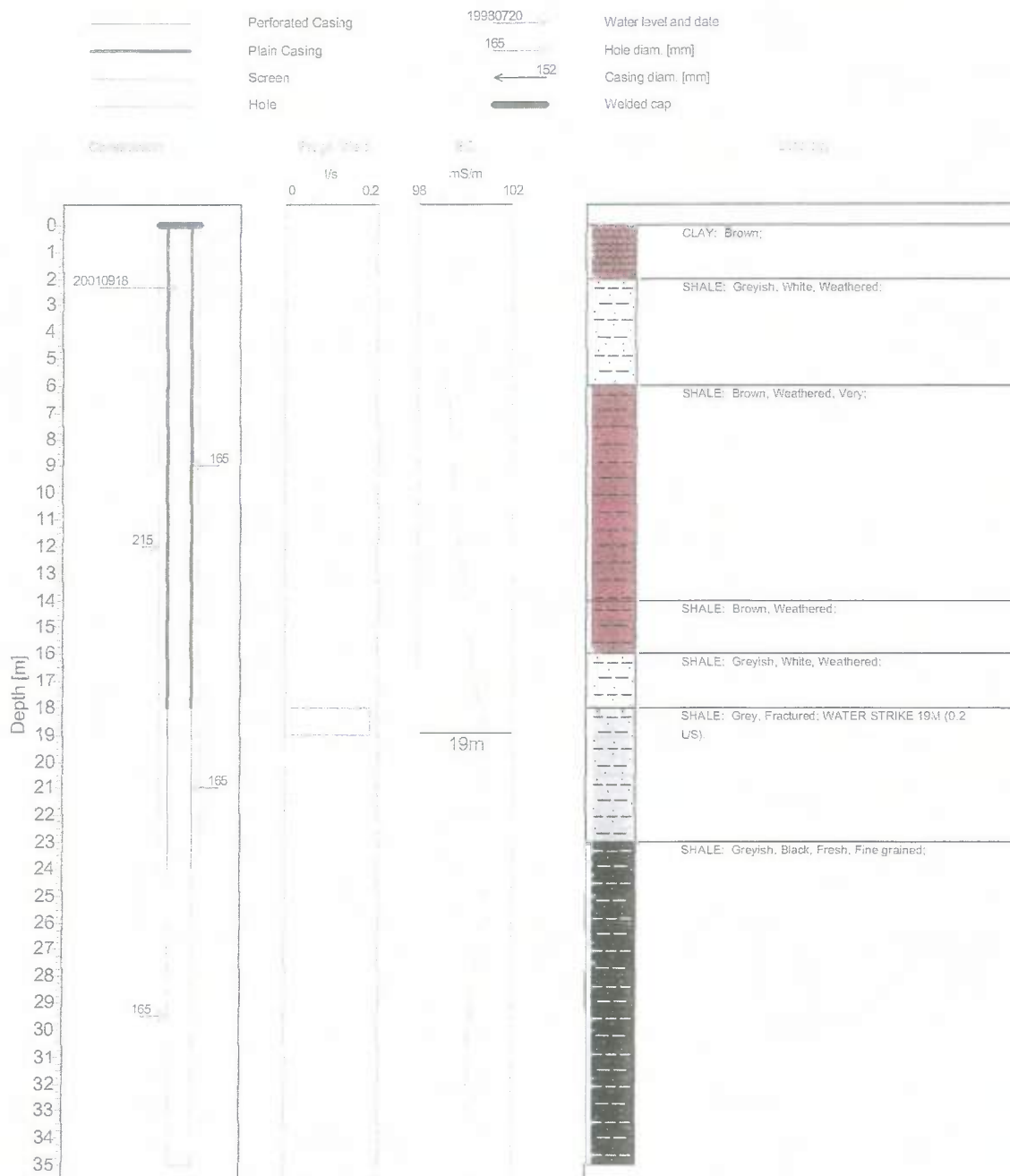
Collar h. [m]: 0.04

Drain. reg.: C220

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01169 Number: IVB-D169 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D169

Region Type:

Region Desc.: NORTH WORKS OPEN AREAS

Y Coord. [m]:	-84226.75	Reg./BB.: CS18	Topo-set:	Hillside (slope)	Depth [m]:	35.00
X Coord. [m]:	2950567.95	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.08
Altitude [m]:	1474.84		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010823	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	215	20010823	CASED TO 165
JMA	18.00	35.00	165	20010823	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010823	0.00	15.00	165	Steel	3	Plain casing				
	20010823	15.00	18.00	165	Steel	3	Perforated or slotted	250	2	43	250

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown				
	1.00	5.00	CLAY	Brown				
	5.00	14.00	CLAY	Brown	Light			
	14.00	17.00	DIABASE	Grey	Brownish		Weathered	
	17.00	21.00	DIABASE	Grey	Light		Fractured	
	21.00	35.00	DIABASE	Grey	Light		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010918	1105	0.00	1.08	
	Electrical contact	Static	0	Field checked	20011002	0812	0.00	1.24	
	Electrical contact	Static	0	Field checked	20011011	0840	0.00	1.30	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20011011	1500	0					0.097		

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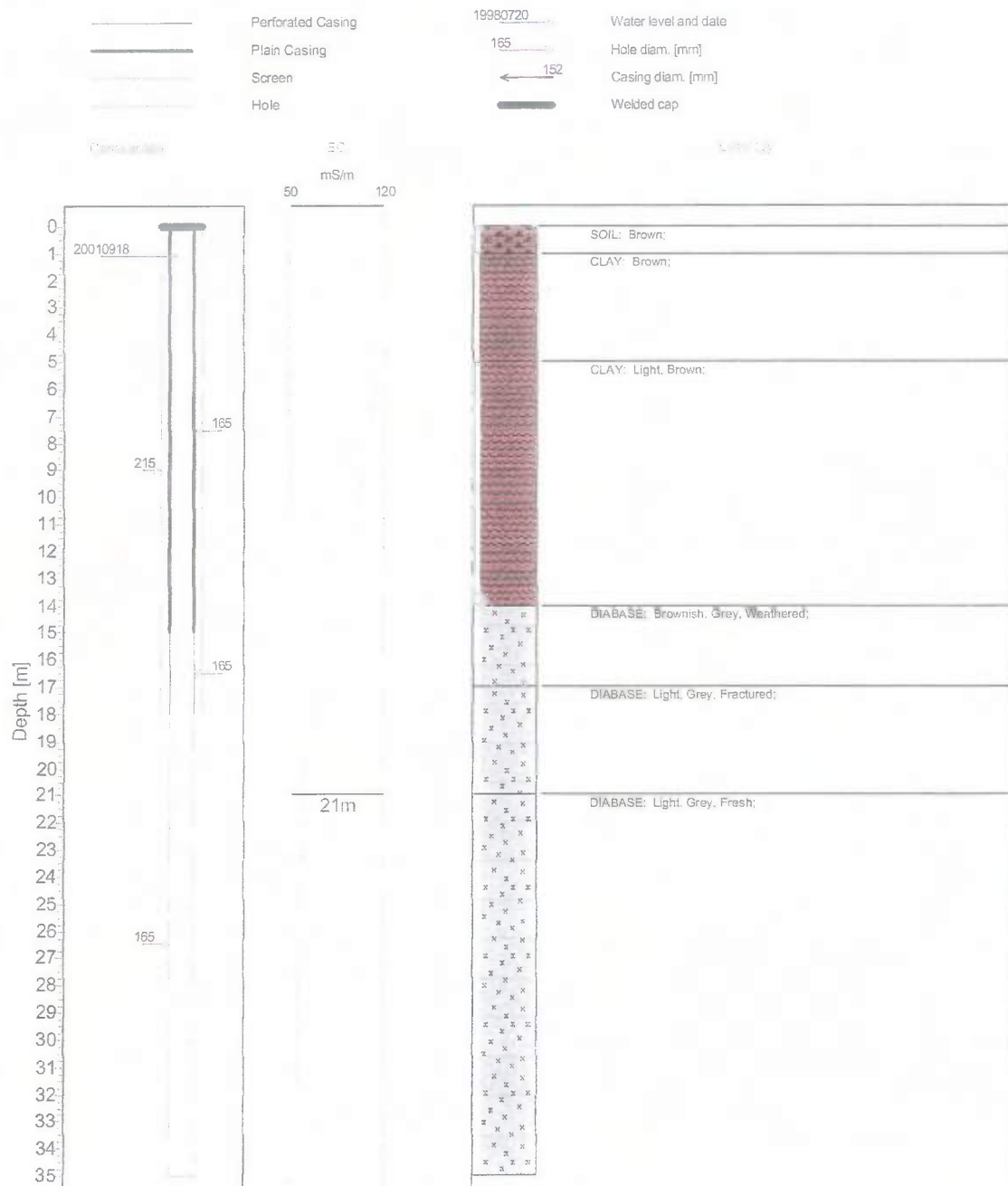
Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01169 Number: IVB-D169 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL PLUME BOREHOLE IVB-D169

Y Coord. [m]: -84226.750	Alt. No. 1:	Topo-set.: Hillside (slope)	Depth [m]: 35.00
X Coord. [m]: 2950567.95	Alt. No. 2: PL-16D	Site status: In use	Collar h. [m]: 0.08
Altitude [m]: 1474.84		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geotechnological Legend



COMMENT:



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01170 Number: IVB-D170 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D170

Region Type:

Region Desc.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]: -79936.38	Reg.IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 42.00
X Coord. [m]: 2948215.47	G-Nr.:	Site status: In use	Col. ht. [m]: 0.28
Altitude [m]: 1490.19		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Durat.	Special treatment	Constr. cost
20010824	EDMS	Air percussion	Open bottom	Pumped with air	0	Pumped with	0.00

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	18.00	215	20010824	CASED TO 165
JMA	18.00	42.00	165	20010824	NO CASING

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010824	0.00	12.00	165	Steel	3	Plain casing				
	20010824	12.00	18.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	17.00	18.00	0.50	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown				
	1.00	3.00	SHALE	Brown	Yellowish		Weathered	
	3.00	9.00	SHALE	Brown	Yellowish		Weathered	
	9.00	16.00	SHALE	Grey	Brownish		Weathered	
	16.00	29.00	SHALE	Grey	Light		Fractured	
	29.00	42.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010918	1320	0.00	3.38	SLIGHT SMELL
	Electrical contact	Static	0	Field checked	20011002	1107	0.00	3.48	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m³/d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	900	0	0	0	0 0 0 0 0	0	0.197	0	

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Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01170 Number: IVB-D170 Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D170

Y Coord. [m]: -79936.380

X Coord. [m]: 2948215.47

Altitude [m]: 1490.19

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: ORG5D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

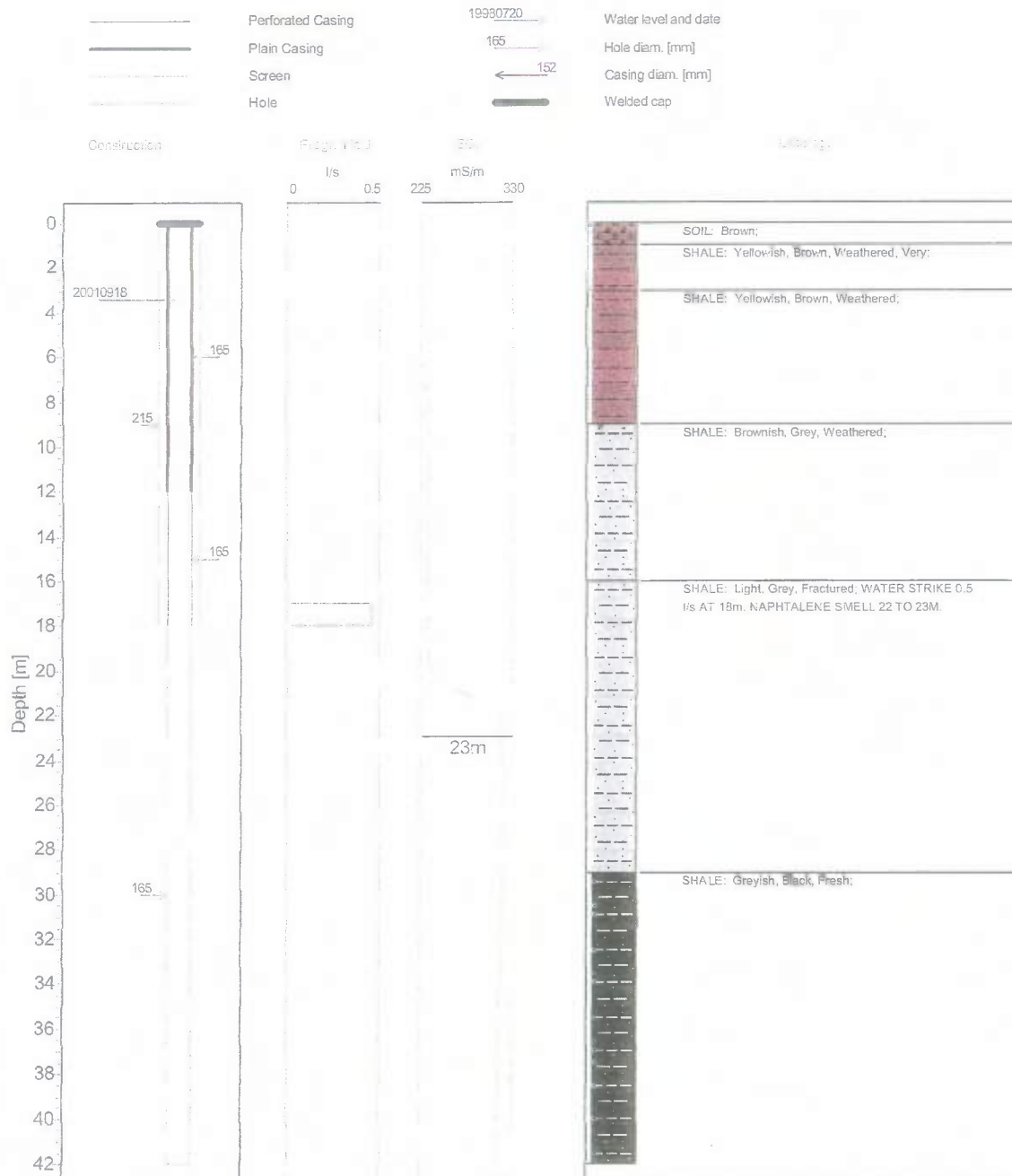
Depth [m]: 42.00

Collar h. [m]: 0.28

Drain. reg.: C220

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geo-hydrological Legend

COMMENT:



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01171 Number: IVB-D171 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D171

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]:	-79906.5	Reg.IBB.:	Topo-set:	Flat surface, plain	Depth [m]:	41.00
X Coord. [m]:	2948306.21	G-Nr.:	Site status:	In use	Col. ht. [m]:	0.60
Altitude [m]:	1489.79		Site purp.:	Observation	Drain. reg.:	C220
Coord. acc.:	Accurate to within 10 units		Use applic.:	Industrial - industrial	Diam. [mm]:	165
Coord. meth.:	Global Positioning System		Equipment:	No equipment	Rep. inst.:	JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	33.00	215	20010827	ROTARY PERC.
JMA	33.00	41.00	165	20010827	ROTARY PERC.

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010827	0.00	27.00	165	Steel	3					
	20010827	27.00	33.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA		26.00	27.00	0.30	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown				
	2.00	4.00	SOIL	Brown			Gravel-bearing	
	4.00	12.00	SHALE	Brown	Yellowish		Weathered	
	12.00	13.00	SHALE	Brown	Yellowish		Weathered	
	13.00	23.00	SHALE	Brown	Greyish		Weathered	
	23.00	27.00	SHALE	Brown	Greyish		Fractured	
	27.00	33.00	DIABASE	Grey			Fractured	
	33.00	41.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010919	1315	0.00	3.64	SLIGHT SMELL
	Electrical contact	Static	0	Geologist,	20011003	0840	0.00	3.75	
	Electrical contact	Static	0	Geologist,	20011011	1450	0.00	3.78	SLUGTEST

TESTING DETAILS:	Description	Date started	Durat. [s]	Depth to Intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ³ /d]	Perm. [m/d]	Storat.	Comment
	SLUGTEST	20011011	1500	0					0.096		

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Borehole Construction and Geological Log

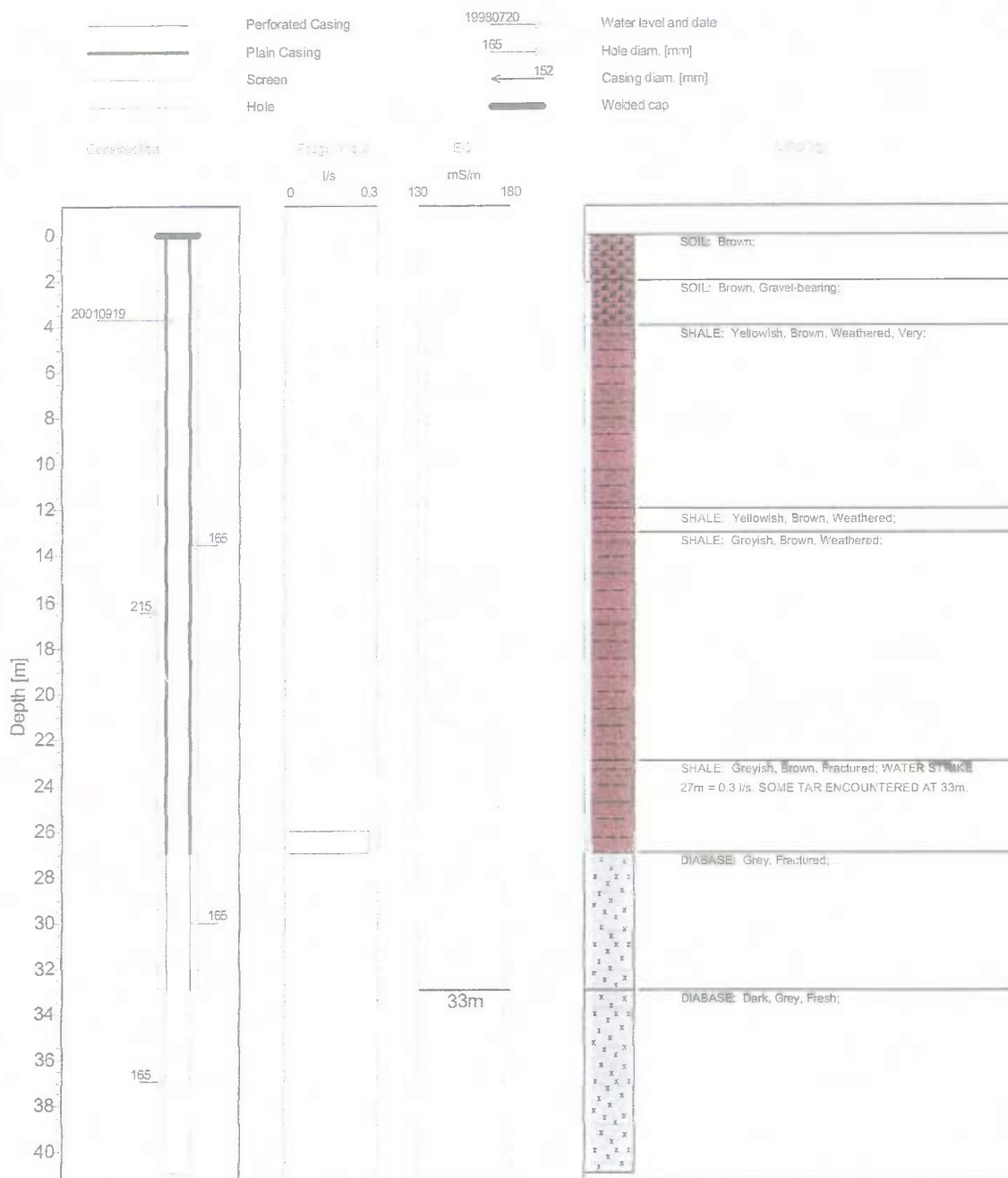
Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01171 Number: IVB-D171 Site type: Borehole

Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D171

Y Coord. [m]: -79906.500	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 41.00
X Coord. [m]: 2948306.21	Alt. No. 2: ORG6D	Site status: In use	Collar h. [m]: 0.60
Altitude [m]: 1489.79		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01172 Number: IVB-D172 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D172

Region Type:

Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -79851.41	Reg.IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 60.00
X Coord. [m]: 2948386.68	G-Nr.:	Site status: In use	Col. ht. [m]: 0.65
Altitude [m]: 1489.34		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	20.00	215	20010828	ROTARY PERC
JMA	20.00	60.00	165	20010828	ROTARY PERC.

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010828	0.00	14.00	165	Steel	3					
	20010828	14.00	20.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	18.00	19.00	0.50	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL					
	2.00	8.00	SHALE	Red	Pinkish		Weathered	
	8.00	13.00	SHALE	Brown	Pinkish		Weathered	
	13.00	18.00	SHALE	Brown			Weathered	
	18.00	24.00	SHALE	Brown	Greyish		Fractured	
	24.00	34.00	SHALE	Grey	Light		Fresh	
	34.00	42.00	SHALE	Grey			Fractured	
	42.00	50.00	SHALE	Grey			Fresh	
	50.00	60.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010919	1148	0.00	4.30	
	Electrical contact	Static	0	Field checked	20011003	1115	0.00	4.30	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m]	%	Trans. [m ³ /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010912	600	0	0	0	0	0	0	0.271	0	

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Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01172 Number: IVB-D172 Site type: Borehole

Distr./Farm No.:

Site Name/Desc.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D172

Y Coord. [m]: -79851.410

X Coord. [m]: 2948386.68

Altitude [m]: 1489.34

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: ORG7D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 60.00

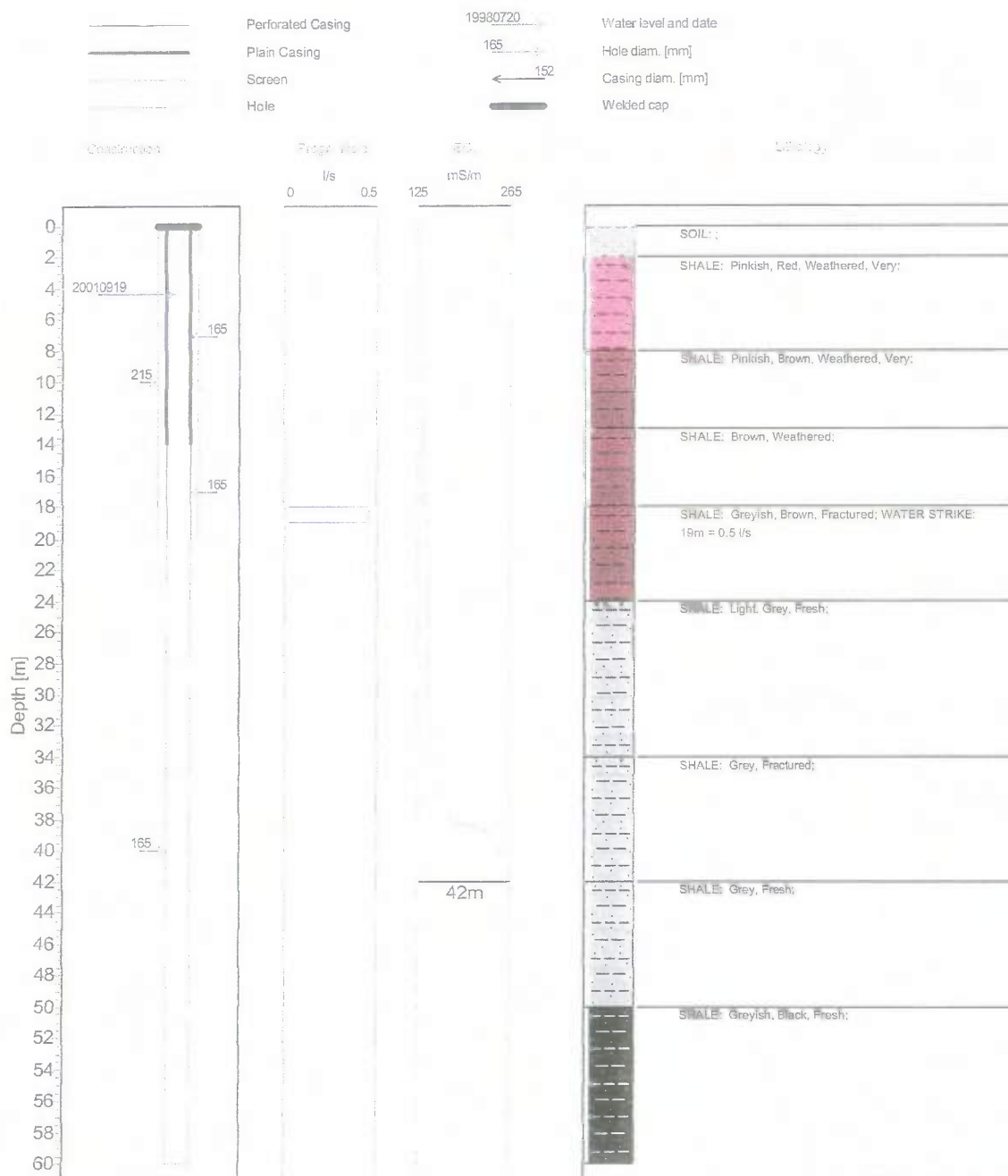
Collar h. [m]: 0.65

Drain. reg.: C220

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geo-hydrological Legend



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01173 Number: IVB-D173 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D173

Region Type:

Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -79885.34	Reg./BB.:	Topo-set: Flat surface, plain	Depth [m]: 60.00
X Coord. [m]: 2948502.94	G-Nr.:	Site status: In use	Col. ht. [m]: 0.50
Altitude [m]: 1488.89		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	37.00	215	20010830	ROTARY PERC
JMA	37.00	60.00	165	20010830	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20020830	0.00	25.00	165	Steel	3					
	20020830	25.00	37.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	33.00	34.00	0.70	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown				
	2.00	3.00	BOULDERS	Brown				
	3.00	14.00	SHALE	Brown	Yellowish		Weathered	
	14.00	22.00	SHALE	Brown			Weathered	
	22.00	31.00	SHALE	Brown	Greyish		Weathered	
	31.00	37.00	SHALE	Grey	Light		Fractured	
	37.00	60.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010919	1207	0.00	4.40	
	Electrical contact	Static	0	Geologist,	20011003	1020	0.00	4.30	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	1200	0	0	0	0 0 0	0	0.129	0	

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Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION:

Site Identifier: 2627DB01173 Number: IVB-D173

Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D173

Y Coord. [m]: -79885.340

X Coord. [m]: 2948502.94

Altitude [m]: 1488.89

Coord. acc.: Accurate to within 10 units

Coord. meth.: Global Positioning System

Alt. No. 1:

Alt. No. 2: ORG8D

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

Depth [m]: 60.00

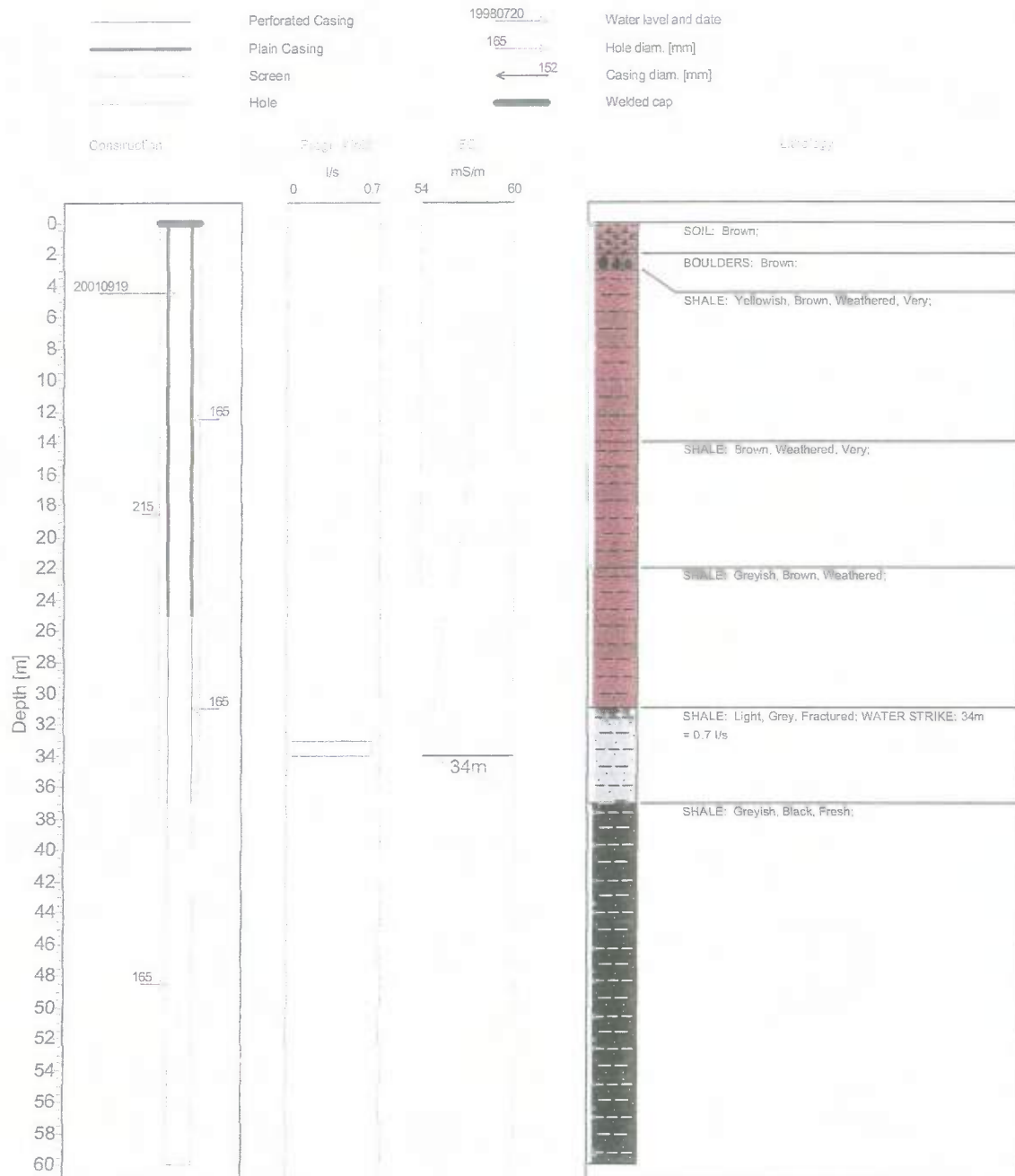
Collar h. [m]: 0.50

Drain. reg.: C220

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01174 Number: IVB-D174 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D174

Region Type:

Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -79993.22	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 41.00
X Coord. [m]: 2948548.79	G-Nr.:	Site status: In use	Col. ht. [m]: 0.71
Altitude [m]: 1489.11		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	33.00	215	20010829	ROTARY PERC
JMA	33.00	41.00	165	20010829	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010829	0.00	21.00	165	Steel	3					
	20010829	21.00	33.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	26.00	27.00	0.50	Estimated		Geologist, technician,	

GEOLGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown				
	1.00	3.00	SHALE	Brown			Weathered	
	3.00	15.00	SHALE	Red	Pinkish		Weathered	
	15.00	21.00	SHALE	Brown	Yellowish		Weathered	
	21.00	26.00	SHALE	Brown	Greyish		Weathered	
	26.00	34.00	SHALE	Grey			Fractured	
	34.00	41.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010919	1355	0.00	4.15	TAR
	Electrical contact	Static	0	Geologist,	20011012	0820	0.00	4.07	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate[l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20011012	1500	0					0.022		

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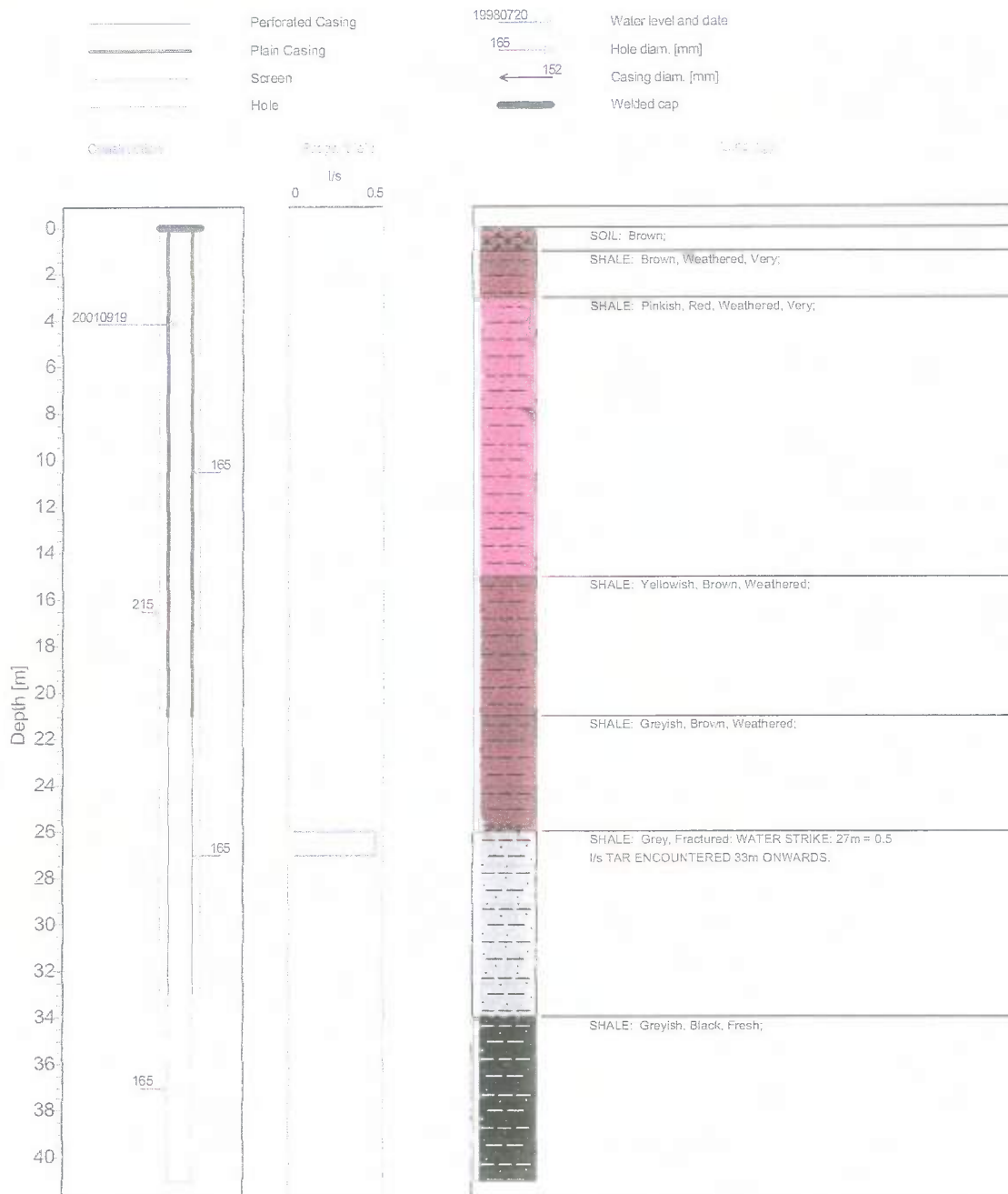
Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01174 Number: IVB-D174 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D174

Y Coord. [m]: -79993.220	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 41.00
X Coord. [m]: 2948548.79	Alt. No. 2: ORG9D	Site status: In use	Collar h. [m]: 0.71
Altitude [m]: 1489.11		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Log



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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01175 Number: IVB-D175 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D175

Region Type:

Region Descr.: FARMLAND / WESTERN BOUNDARY / DAM10

Y Coord. [m]: -79791.77	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 41.00
X Coord. [m]: 2948896.99	G-Nr.:	Site status: In use	Col. ht. [m]: 0.54
Altitude [m]: 1485.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	21.00	215	20010831	ROTARY PERC
JMA	21.00	41.00	165	20010831	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010831	0.00	15.00	165	Steel	3					
	20010831	15.00	21.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	19.00	20.00	0.80	Estimated		Geologist, technician,	
JMA	34.00	35.00	0.20	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown				
	1.00	3.00	SHALE	Red			Weathered	
	3.00	11.00	SHALE	Brown	Yellowish		Weathered	
	11.00	16.00	SHALE	Brown			Weathered	
	16.00	22.00	SHALE	Brown	Greyish		Fractured	
	22.00	37.00	SHALE	Grey	Light		Fresh	Fractured
	37.00	41.00	DIABASE	Grey			Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010918	1510	0.00	0.79	
	Electrical contact	Static	0	Field checked	20011003	0920	0.00	0.87	
	Electrical contact	Static	0	Field checked	20011012	0745	0.00	0.93	SLUGTEST

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m] %	Trans. [m³/d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20011012	1500	0					0.079		

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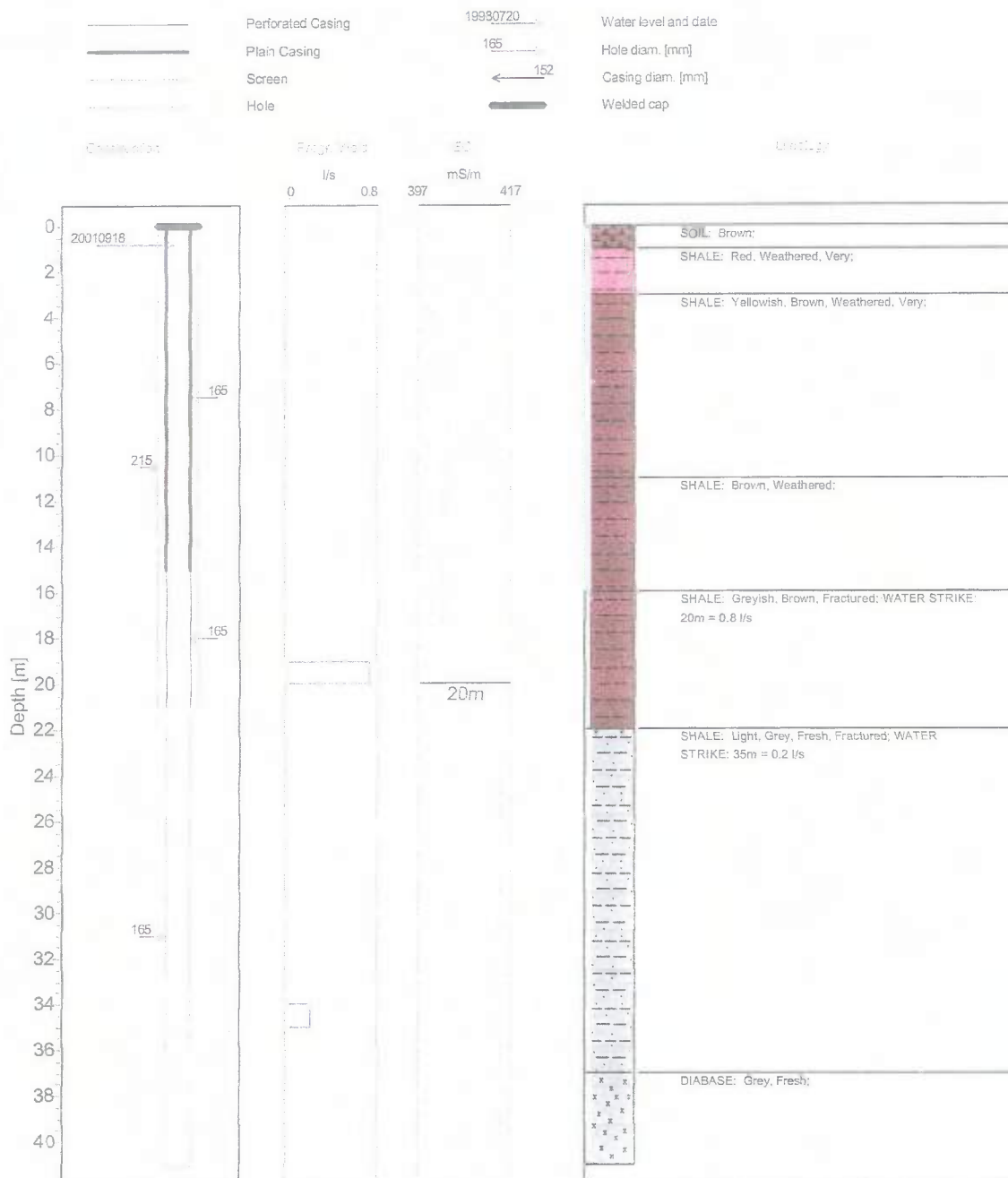
Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01175 Number: IVB-D175 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D175

Y Coord. [m]: -79791.770	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 41.00
X Coord. [m]: 2948896.99	Alt. No. 2: ORG10D	Site status: In use	Collar h. [m]: 0.54
Altitude [m]: 1485.29		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geological Legend



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01176 Number: IVB-D176 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D176

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]: -79852.09	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 60.00
X Coord. [m]: 2948290.98	G-Nr.:	Site status: In use	Col. ht. [m]: 0.39
Altitude [m]: 1489.65		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	32.00	215	20010830	ROTARY PERC
JMA	32.00	60.00	165	20010830	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010830	0.00	20.00	165	Steel	3					
	20010830	20.00	32.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	29.00	30.00	1.00	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	SOIL	Brown	Dark			
	1.00	3.00	SHALE	Red			Weathered	
	3.00	6.00	SHALE	Pink			Weathered	
	6.00	12.00	SHALE	Brown	Yellowish		Weathered	
	12.00	20.00	SHALE	Brown	Greyish		Weathered	
	20.00	26.00	SHALE	Grey	Light		Weathered	
	26.00	33.00	SHALE	Grey	Light		Fractured	
	33.00	60.00	SHALE	Black	Greyish		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Geologist,	20010919	1125	0.00	3.30	
	Electrical contact	Static	0	Geologist,	20011003	0805	0.00	3.43	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: [m]	% [min]	Trans. [m ² /d]	Perm. [m/d]	Storat.	Comment
SLUGTEST	20010912	150	0	0	0	0	0	0	0.824	0	

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Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01176 Number: IVB-D176 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D176

Y Coord. [m]: -79852.090	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 60.00
X Coord. [m]: 2948290.98	Alt. No. 2: ORG11D	Site status: In use	Collar h. [m]: 0.39
Altitude [m]: 1489.65		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geology Log



COMMENT:

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SITE INFORMATION REPORT

Date compiled: 11/27/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01177 Number: IVB-D177 Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D177

Region Type:

Region Descr.: STEELVALLEY / WESTERN BOUNDARY / D

Y Coord. [m]: -79801.47	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 43.00
X Coord. [m]: 2948203.93	G-Nr.:	Site status: In use	Col. ht. [m]: 0.26
Altitude [m]: 1489.89		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date const.	Comment
JMA	0.00	24.00	215	20010903	ROTARY PERC
JMA	24.00	43.00	165	20010903	ROTARY PERC

CASING DETAILS:	Date inst.	Dep. to top [m]	Bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Opening Type	Length	Width	Hori. dist.	Vert. dist.
	20010903	0.00	18.00	165	Steel	3					
	20010903	18.00	24.00	165	Steel	3	Perforated or slotted	250	2	43	250

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	24.00	25.00	0.80	Estimated		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	2.00	SOIL	Brown				
	2.00	9.00	SHALE	Brown	Yellowish		Weathered	
	9.00	16.00	SHALE	Brown	Greyish		Weathered	
	16.00	25.00	SHALE	Brown	Greyish		Fractured	
	25.00	30.00	DIABASE	Grey			Fractured	Fresh
	30.00	43.00	DIABASE	Grey	Dark		Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info source	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20010918	1257	0.00	3.47	
	Electrical contact	Static	0	Field checked	20011002	1030	0.00	3.57	

TESTING DETAILS:	Date started	Durat. [s]	Depth to intk. [m]	Disch. rate [l/s]	Drawd. [m]	Recovery: %	Trans. [m ² /d]	Perm. [mld]	Storat.	Comment
SLUGTEST	20010912	120	0	0	0	0 0 0 0 0 0	0	1.462	0	

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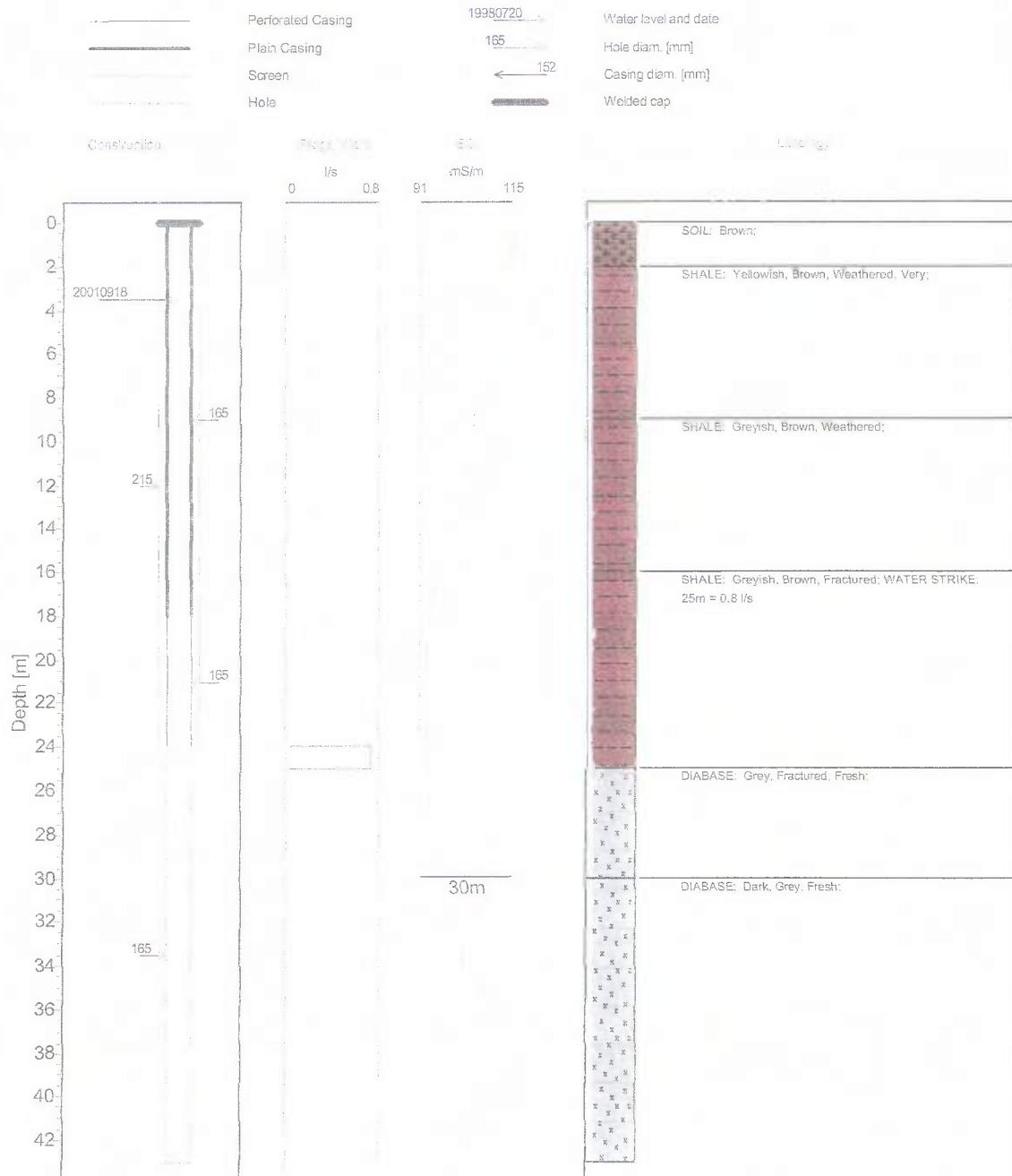
Borehole Construction and Geological Log

Date compiled: 11/22/01

BASIC SITE INFORMATION: Site Identifier: 2627DB01177 Number: IVB-D177 Site type: Borehole
Distr./Farm No.: Site Name/Descr.: ISCOR FLATSTEEL ORGANIC BOREHOLE IVB-D177

Y Coord. [m]: -79801.470	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 43.00
X Coord. [m]: 2948203.93	Alt. No. 2: ORG12D	Site status: In use	Collar h. [m]: 0.26
Altitude [m]: 1489.89		Site purp.: Observation	Drain. reg.: C220
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Global Positioning System		Equipment: No equipment	Rep. inst.: JMA

Construction and Geohydrological Legend



COMMENT:



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DATA SET IV-2

Site Information Reports and Construction and Geological logs of the Shallow Weathered Zone Aquifer boreholes, used to describe the local geology for the Lamont Park, Rosashof and Louisrus area within the IVS Integrated Environmental Master Plan Baseline Study

(IVS Boreholes)

Site Information Report

Date compiled:6/18/2001

BASIC SITE INFORMATION: Site Identifier: 2627DB01005 Number: IVS-B5 Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -77003.070

Reg.IBB.:

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2949925.56

G-Nr.:

Site status: In use

Col. ht. [m]: 0.26

Altitude [m]: 1466.43

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Special Durat. treatment

Constr. cost

20000830 EDMS - BOET JACKSON Air percussion Open bottom

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date constr.

Comment

JMA

0.00

21.00

215

20000830

ROTARY PERCU

JMA

21.00

31.00

165

20000830

ROTARY PERCU

CASING DETAILS:

Date inst.

Dep. to top [m]

bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Openings [mm]: Type

Length Width

Hori. dist.

Vert. dist.

20000830

0.00

3.00

165

Steel

3

Perforated or slotted

20000830

3.00

21.00

165

Steel

3

Perforated or slotted

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

14.00

15.00

0.30

Estimated

Geologist, technician,

JMA

18.00

19.00

0.30

Estimated

Geologist, technician,

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

0.50

SOIL

Brown

Dark

Clayey

0.50

3.00

FERRICRETE

Brown

Reddish

Weathered

Clayey

3.00

4.00

SHALE

Brown

Purple

Weathered

Clayey

4.00

10.00

SHALE

Brown

Yellowish

Weathered

Clayey

10.00

13.00

SLATE

Brown

Olive

Weathered

Clayey

13.00

15.00

SLATE

Brown

Greyish

Fractured

15.00

19.00

SLATE

Brown

Greyish

Fractured

19.00

20.00

SLATE

Grey

Brownish

Fractured

Fresh

20.00

21.00

DIABASE

Grey

Brownish

Fractured

Fresh

21.00

23.00

DIABASE

Grey

Brownish

Fresh

Fractured

23.00

25.00

DIABASE

Grey

Fresh

Siliceous

25.00

31.00

DIABASE

Grey

Fresh

WATER LEVEL:

Meth. meas.

Level status

Piez. Info src.

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20001009

0930

0.00

5.29

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Borehole Construction and Geological Log

Date compiled: 6/15/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01005 Number: IVS-B5

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -77003.070

Alt. No. 1:

X Coord. [m]: 2949925.56

Alt. No. 2:

Altitude [m]: 1466.43

Coord. acc.: Accurate to within 10 units

Coord. meth.: Interpolated from map

Topo-set.: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

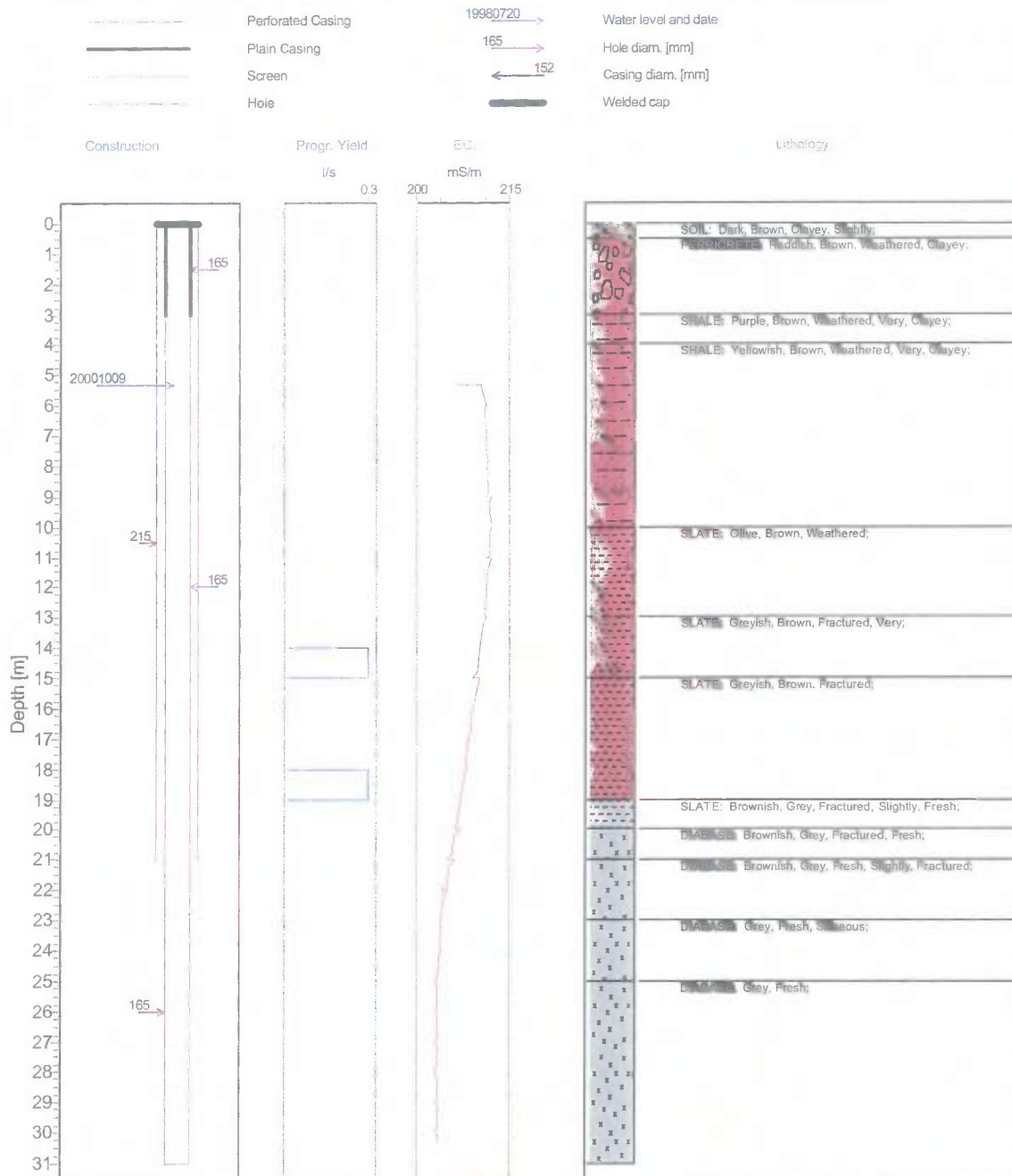
Depth [m]: 30.50

Collar h. [m]: 0.26

Drain. reg.:

Diam. [mm]: 165

Rep. inst.: JMA

Construction and Geohydrological Legend

COMMENT:

Page 1



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Site Information Report

Date compiled: 6/18/2001

BASIC SITE INFORMATION: Site Identifier: 2627DB01011 Number: IVS-B11 Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -76365.030	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 30.00
X Coord. [m]: 2948793.33	G-Nr.:	Site status: In use	Col. ht. [m]: 0.36
Altitude [m]: 1454.62		Site purp.: Observation	Drain. reg.:
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.:		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20000911	EDMS - BOET JACKSON	Air percussion	Open bottom			

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date constr.	Comment
JMA	0.00	7.00	215	20000911	ROTARY PERCU
JMA	7.00	31.00	165	20000911	ROTARY PERCU

CASING DETAILS:	Date inst.	Dep. to top [m]	bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Openings [mm]: Type	Length	Width	Hori. dist.	Vert. dist.
20000911	0.00	3.60	165	Steel		3					
20000911	3.60	7.00	165	Steel		3	Perforated or slotted				

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	13.50	14.00	0.01	Notch (V- or U-notch)		Geologist, technician,	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	1.00	CLAY	Grey	Dark			
	1.00	2.00	FERRICRETE	Brown	Dark		Weathered	
	2.00	3.50	CLAY	Brown	Dark		Sandy	
	3.50	5.00	SLATE	Grey	Brownish	Fine	Weathered	Fractured
	5.00	6.00	SLATE	Grey	Brownish	Fine	Fractured	Fresh
	6.00	11.00	SLATE	Grey		Fine	Fresh	Fractured
	11.00	15.00	SLATE	Grey	Brownish	Fine	Fractured	Fresh
	15.00	20.00	SLATE	Grey	Brownish	Fine	Fresh	Fractured
	20.00	31.00	SHALE	Grey	Bluish	Fine	Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez. Info src.	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0 Field checked	20001011	0836	0.00	2.36	

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Borehole Construction and Geological Log

Date compiled: 6/15/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01011 Number: IVS-B11

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -76365.030

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 30.00

X Coord. [m]: 2948793.33

Alt. No. 2:

Site status: In use

Collar h. [m]: 0.36

Altitude [m]: 1454.62

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

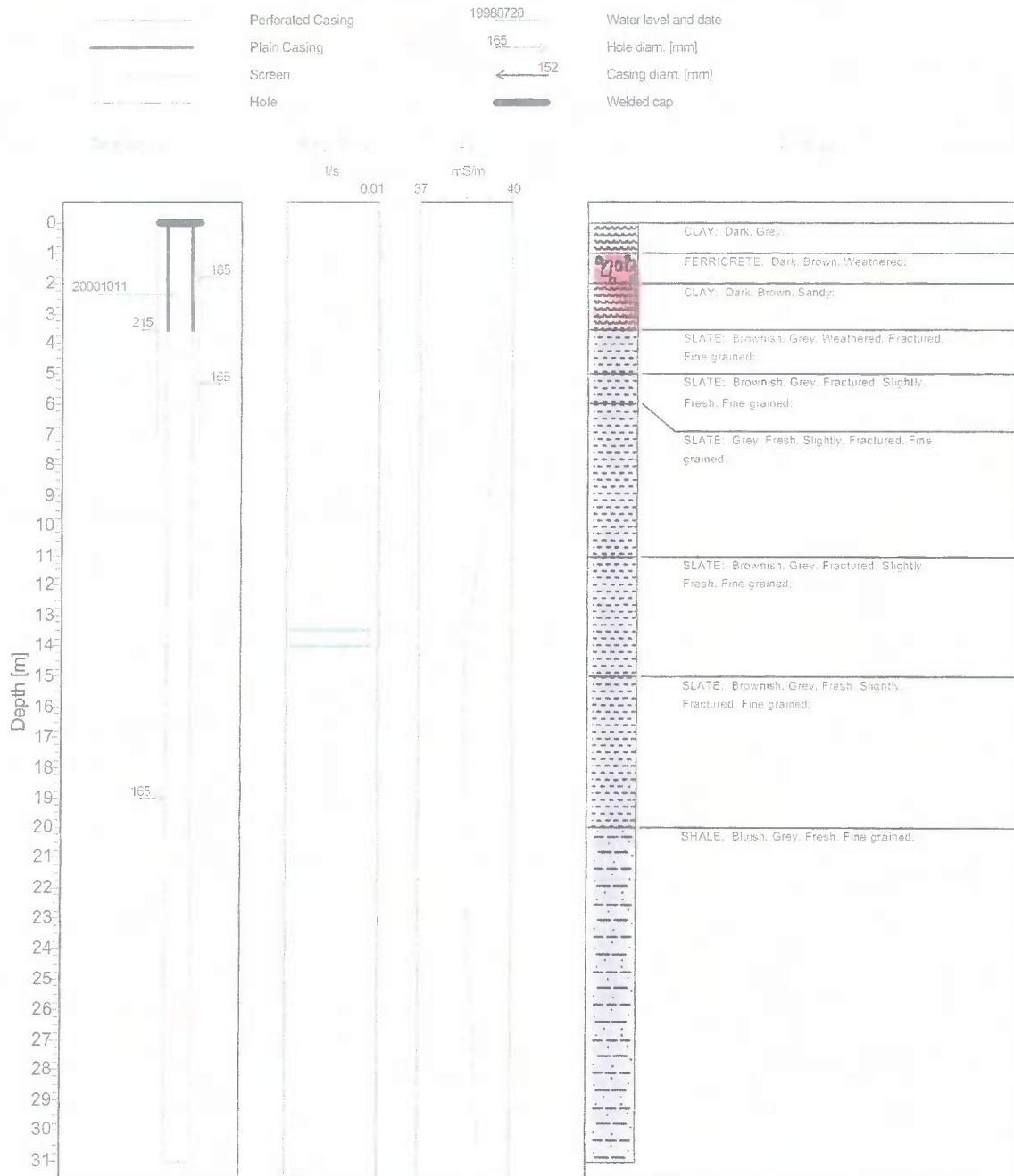
Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.:

Equipment: No equipment

Rep. inst.: JMA



COMMENT:

Page 1

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Site Information Report

Date compiled: 6/18/2001

BASIC SITE INFORMATION: Site Identifier: 2627DB01012 Number: IVS-B12 Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Desc.:

Y Coord. [m]: -76835.780	Reg./BB.:	Topo-set.: Flat surface, plain	Depth [m]: 30.50
X Coord. [m]: 2948805.83	G-Nr.:	Site status: In use	Col. ht. [m]: 0.15
Altitude [m]: 1458.13		Site purp.: Observation	Drain. reg.:
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Interpolated from map		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20000911	EDMS - BOET JACKSON	Air percussion	Open bottom			

HOLE DIAMETER:	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date constr.	Comment
JMA	0.00	7.00	215	20000911	ROTARY PERCU
JMA	7.00	31.00	165	20000911	ROTARY PERCU

CASING DETAILS:	Date inst.	Dep. to top [m]	bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Openings [mm]: Type	Length	Width	Hori. dist.	Vert. dist.
	20000911	0.00	3.60	165	Steel	3					
	20000911	3.60	7.20	165	Steel	3	Perforated or slotted				

AQUIFER:	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	21.00	22.00	0.01	Estimated		Geologist, technician.	

GEOLOGY:	Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
	0.00	0.50	SOIL	Grey	Dark		Clayey	
	0.50	2.00	SLATE	Brown	Yellowish	Fine	Weathered	
	2.00	4.00	SLATE	Brown	Greyish	Fine	Weathered	Fractured
	4.00	8.00	SLATE	Grey	Brownish	Fine	Fractured	
	8.00	12.00	SLATE	Grey		Fine	Fresh	Fresh
	12.00	14.00	SLATE	Grey	Brownish	Fine	Fresh	Fractured
	14.00	21.00	SLATE	Grey		Fine	Fresh	
	21.00	22.00	SLATE	Grey	Brownish	Fine	Fractured	Fresh
	22.00	31.00	SLATE	Grey		Fine	Fresh	

WATER LEVEL:	Meth. meas.	Level status	Piez.	Info src.	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
	Electrical contact	Static	0	Field checked	20001011	0900	0.00	2.96	

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Borehole Construction and Geological Log

Date compiled: 6/15/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01012 Number: IVS-B12

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -76835.780

X Coord. [m]: 2948805.83

Altitude [m]: 1458.13

Coord. acc.: Accurate to within 10 units

Coord. meth.: Interpolated from map

Alt. No. 1:

Alt. No. 2:

Topo-set: Flat surface, plain

Site status: In use

Site purp.: Observation

Use applic.: Industrial - industrial

Equipment: No equipment

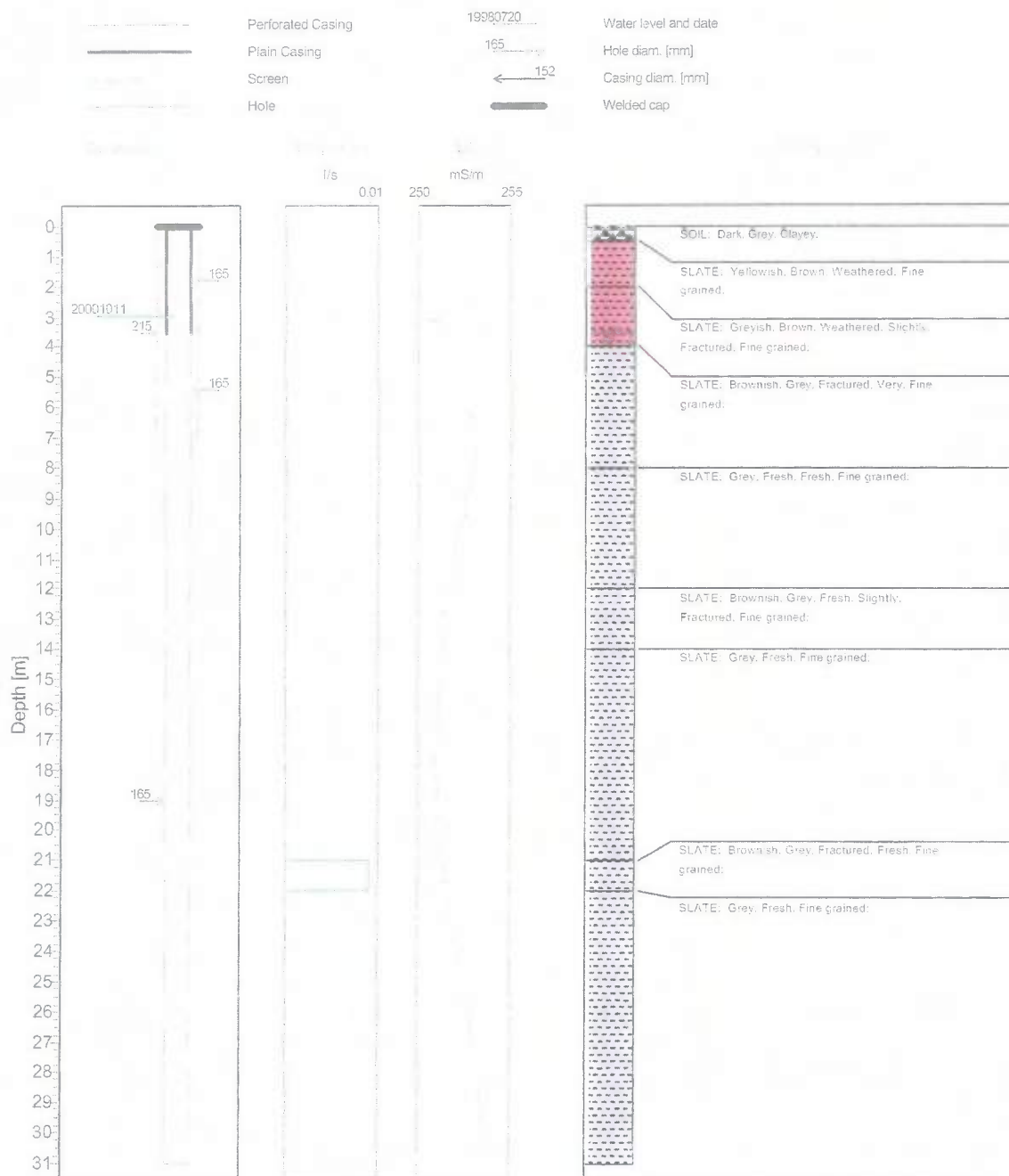
Depth [m]: 30.50

Collar h. [m]: 0.15

Drain. reg.:

Diam. [mm]: 165

Rep. inst.: JMA



COMMENT:

Page 1



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Site Information Report

Date compiled:6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01017 Number: IVS-B17 Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -75901.500	Reg.IBB.:	Topo-set.: Flat surface, plain	Depth [m]: 23.50
X Coord. [m]: 2948970.63	G-Nr.:	Site status: In use	Col. ht. [m]: 0.09
Altitude [m]: 1449.91		Site purp.: Observation	Drain. reg.:
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Interpolated from map		Equipment: No equipment	Rep. inst.: JMA

CONSTRUCTION:

Date const.	Contractor	Constr. meth.	Type finish	Development Method	Special Durat. treatment	Constr. cost
20000913	EDMS - BOET JACKSON	Air percussion	Open bottom			

HOLE DIAMETER:

Rep. Inst.	Depth to Top [m]	Depth to Bottom [m]	Diameter [mm]	Date constr.	Comment
JMA	0.00	15.00	215	20000913	ROTARY PERCU
JMA	15.00	31.00	165	20000913	ROTARY PERCU

CASING DETAILS:

Date inst.	Dep. to top [m]	bot. [m]	Diam. [mm]	Material	Thickn. [mm]	Openings [mm]: Type	Length	Width	Hori. dist.	Vert. dist.
20000913	0.00	15.00	165	Steel	3	Perforated or slotted				

AQUIFER:

Rep. Inst.	Depth to Top [m]	Bot. [m]	Yield [l/s]	Method meas.	Aquifer type	Info source	Comment
JMA	10.00	12.00	0.50	Estimated		Geologist, technician,	
JMA	13.00	14.00	1.00	Notch (V- or U-notch)		Geologist, technician,	

GEOLOGY:

Dep. Top [m]	Bot. [m]	Lithology code	Colour Primary	Secondary	Texture	Feature Primary	Secondary
0.00	1.00	SOIL	Grey	Dark		Clayey	
1.00	3.00	CLAY	Brown	Yellowish			
3.00	8.00	DIABASE	Brown	Yellowish		Weathered	Clayey
8.00	10.00	DIABASE	Brown			Weathered	
10.00	12.00	DIABASE	Brown	Greyish	Medium	Weathered	Fractured
12.00	13.00	DIABASE	Brown	Dark	Medium	Weathered	
13.00	14.00	SLATE	Brown	Greyish	Fine	Fractured	
14.00	15.00	SLATE	Grey	Brownish	Fine	Fresh	Fractured
15.00	18.00	SLATE	Grey	Bluish	Fine	Fresh	Fractured
18.00	31.00	SLATE	Grey	Bluish	Fine	Fresh	

WATER LEVEL:

Meth. meas.	Level status	Piez.	Info src.	Date meas.	Time meas.	Sec.	Water lev. [m]	Comment
Electrical contact	Static	0	Field checked	20001011	1235	0.00	2.22	

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Borehole Construction and Geological Log

Date compiled: 6/15/2001

BASIC SITE INFORMATION:

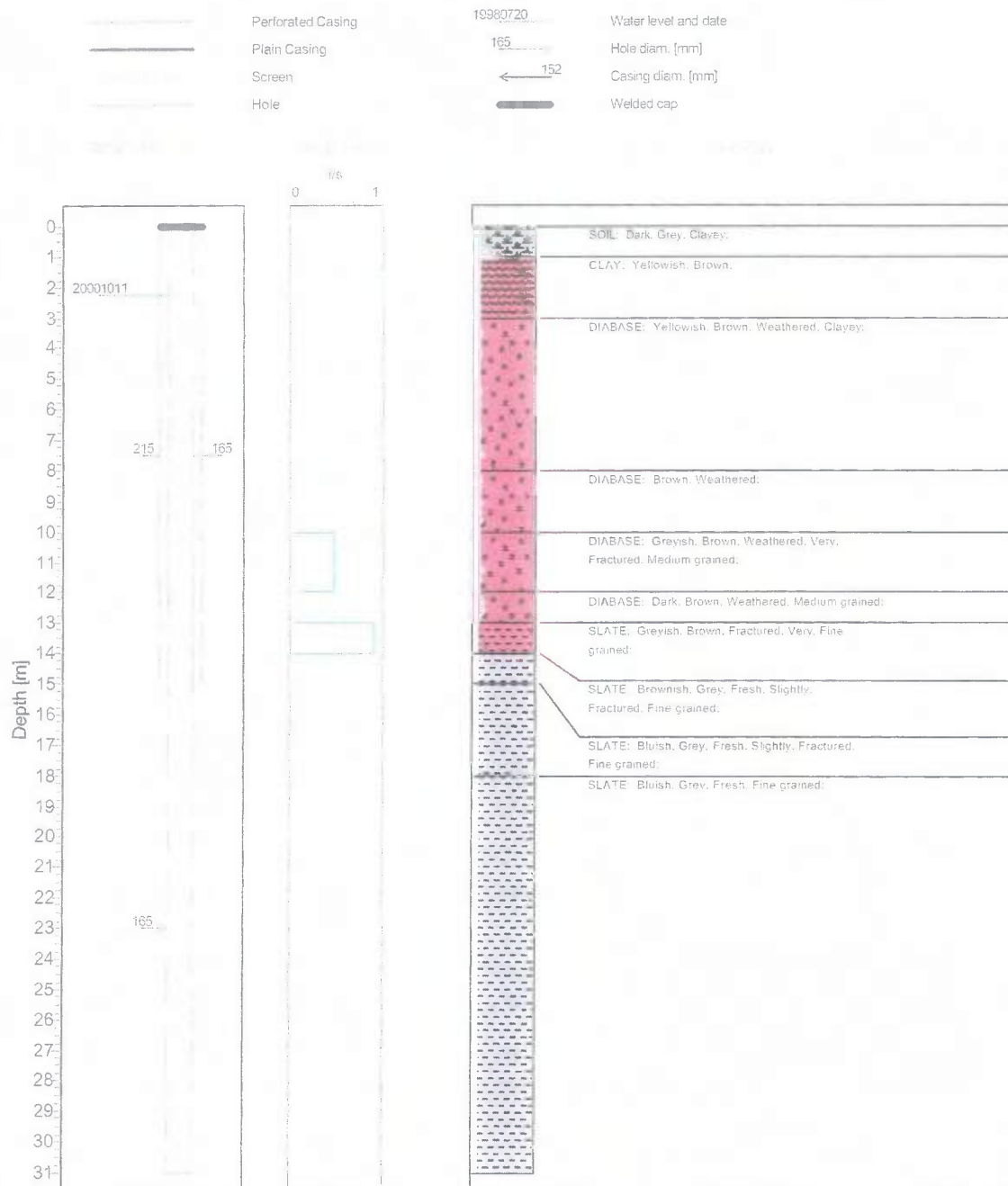
Site Identifier: 2627DB01017 Number: IVS-B17

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -75901.500	Alt. No. 1:	Topo-set.: Flat surface, plain	Depth [m]: 23.50
X Coord. [m]: 2948970.63	Alt. No. 2:	Site status: In use	Collar h. [m]: 0.09
Altitude [m]: 1449.91		Site purp.: Observation	Drain. reg.:
Coord. acc.: Accurate to within 10 units		Use applic.: Industrial - industrial	Diam. [mm]: 165
Coord. meth.: Interpolated from map		Equipment: No equipment	Rep. inst.: JMA



COMMENT

Page 1



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Site Information Report

Date compiled: 6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01018 Number: IVS-B18

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -75521.420

Reg./BB.:

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2948864.27

G-Nr.:

Site status: In use

Col. ht. [m]: 0.18

Altitude [m]: 1453.63

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

 Development
Method

 Special
Durat. treatment

 Constr.
cost

20000913 EDMS - BOET JACKSON Air percussion Open bottom

HOLE DIAMETER:

Rep. Inst.

 Depth to
Top [m]

 Depth to
Bottom [m]

Diameter [mm]

Date constr.

Comment

JMA

0.00

16.00

215

20000913

ROTARY PERCU

JMA

16.00

31.00

165

20000913

ROTARY PERCU

CASING DETAILS:

Date inst.

Dep. to top [m]

bot. [m]

 Diam.
[mm]

Material

 Thickn.
[mm]

 Openings [mm]:
Type

Length

Width

 Hori.
dist.

 Vert.
dist.

20000913

0.00

4.00

165

Steel

3

20000913

4.00

16.00

165

Steel

3

Perforated or slotted

AQUIFER:

Rep. Inst.

 Depth to
Top [m]

Bot. [m]

 Yield
[l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

0.00

0.00

0.00

Notch (V- or U-notch)

Geologist, technician,

DRY

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

 Colour
Primary

Secondary

Texture

 Feature
Primary

Secondary

0.00

1.00

SOIL

Brown

Reddish

Gravel-bearing

1.00

2.00

SHALE

Brown

Weathered

Sandy

2.00

5.00

SHALE

Brown

Light

Fine

Weathered

Sandy

5.00

7.00

DIABASE

Brown

Weathered

7.00

10.00

DIABASE

Brown

Greenish

Medium

Weathered

10.00

12.00

DIABASE

Brown

Greyish

Medium

Weathered

12.00

14.00

DIABASE

Grey

Greenish

Medium

Weathered

Fractured

14.00

16.00

SLATE

Grey

Fine

Fresh

Fractured

16.00

17.00

SLATE

Grey

Fine

Fresh

Fractured

17.00

31.00

SLATE

Grey

Fine

Fresh

Hard

WATER LEVEL:

Meth. meas.

Level status

Piez. Info src.

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20001011

1216

0.00

10.57

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Borehole Construction and Geological Log

Date compiled: 6/15/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01018 Number: IVS-B18

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -75521.420

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2948864.27

Alt. No. 2:

Site status: In use

Collar h. [m]: 0.18

Altitude [m]: 1453.63

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA



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Page 1

Site Information Report

Date compiled:6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01027 Number: IVS-B27

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -76302.310

Reg./BB.:

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2950008.71

G-Nr.:

Site status: In use

Col. ht. [m]: 0.27

Altitude [m]: 1462.74

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Special treatment

Constr. cost

20000915 EDMS - BOET JACKSON Air percussion Open bottom

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date constr.

Comment

JMA

0.00

13.00

215

20000915

ROTARY PERCU

JMA

13.00

31.00

165

20000915

ROTARY PERCU

CASING DETAILS:

Date inst.

Dep. to top [m]

bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Openings [mm]: Type

Length

Width

Hori. dist. Vert. dist.

20000915

0.00

1.00

165

Steel

3

20000915

1.00

13.00

165

Steel

3

Perforated or slotted

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

0.00

0.00

0.00

Notch (V- or U-notch)

Geologist, technician,

DRY

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

0.50

SOIL

Brown

Dark

Gravel-bearing

0.50

1.50

FERRICRETE

Brown

Dark

Gravel-bearing

Clayey

1.50

3.00

SHALE

Brown

Yellowish

Fine

Weathered

3.00

6.00

SHALE

Brown

Reddish

Fine

Weathered

6.00

7.00

SHALE

Brown

Reddish

Fine

Weathered

Ferruginous

7.00

7.50

SHALE

Brown

Yellowish

Fine

Weathered

7.50

9.50

SHALE

Brown

Reddish

Fine

Weathered

Fractured

9.50

11.00

SHALE

Brown

Yellowish

Fine

Weathered

Fractured

11.00

12.00

SHALE

Brown

Greyish

Fine

Weathered

Fractured

12.00

13.00

DIABASE

Grey

Brownish

Medium

Fractured

Fresh

13.00

17.00

DIABASE

Brown

Greyish

Medium

Fractured

Weathered

17.00

20.00

DIABASE

Grey

Light

Medium

Fractured

Fresh

20.00

25.00

DIABASE

Grey

Medium

Fresh

Fractured

25.00

26.00

DIABASE

Grey

Brownish

Medium

Fractured

Fresh

26.00

27.50

DIABASE

Grey

Medium

Fresh

Fractured

27.50

28.00

DIABASE

Grey

Brownish

Medium

Fractured

Fresh

28.00

31.00

DIABASE

Grey

Medium

Fresh

WATER LEVEL:

Meth. meas.

Level status

Piez. Info src.

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20001009

1200

0.00

2.77

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Borehole Construction and Geological Log

Date compiled: 6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01027 Number: IVS-B27

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -76302.310

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 30.50

X Coord. [m]: 2950008.71

Alt. No. 2:

Site status: In use

Collar h. [m]: 0.27

Altitude [m]: 1462.74

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

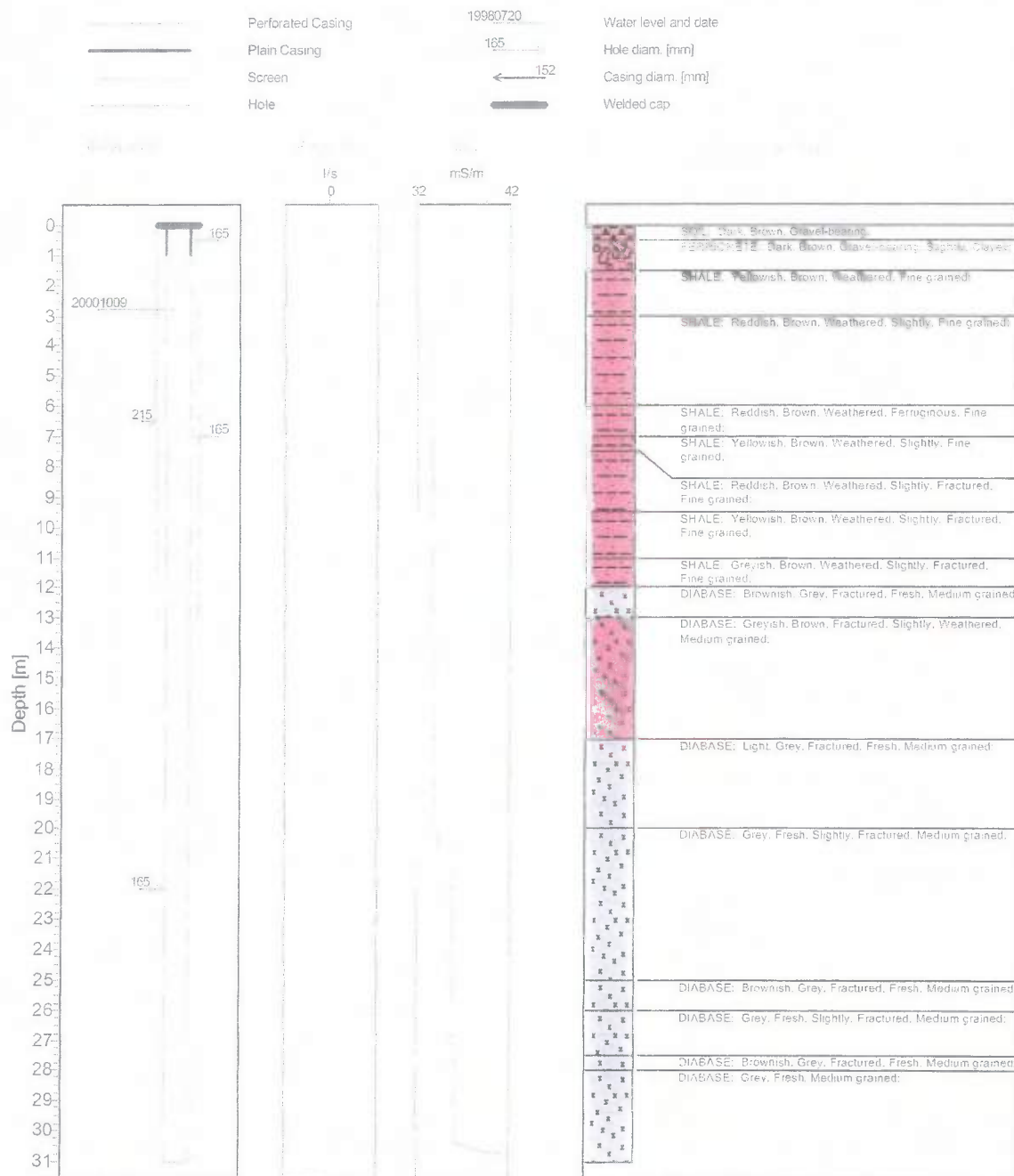
Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA



COMMENT:



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Site Information Report

Date compiled:6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01028 Number: IVS-B28

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -75183.270

Reg.IBB.:

Topo-set.: Flat surface, plain

Depth [m]: 30.00

X Coord. [m]: 2949852.34

G-Nr.:

Site status: In use

Col. ht. [m]: 0.30

Altitude [m]: 1451.46

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Special treatment

Constr. cost

20000915 EDMS - BOET JACKSON Air percussion Open bottom

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date constr.

Comment

JMA

0.00

7.00

215

20000915

ROTARY PERCU

JMA

7.00

31.00

165

20000915

ROTARY PERCU

CASING DETAILS:

Date inst.

Dep. to top [m]

bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Openings [mm]: Type

Length

Width

Hori. dist. Vert. dist.

20000915

0.00

1.00

165

Steel

3

20000915

1.00

6.00

165

Steel

3

Perforated or slotted

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [l/s]

Method meas.

Aquifer type

Info source

Comment

JMA

16.00

17.00

0.01

Estimated

Geologist, technician,

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

0.50

SOIL

Brown

Dark

0.50

3.00

FERRICRETE

Brown

Dark

Weathered

Clayey

3.00

4.00

CLAY

Brown

Yellowish

4.00

5.00

SLATE

Brown

Greyish

Fine

Weathered

5.00

12.00

SLATE

Grey

Brownish

Fine

Fractured

Fresh

12.00

13.00

SLATE

Brown

Greyish

Fine

Fractured

13.00

16.00

SLATE

Grey

Brownish

Fine

Fractured

Fresh

16.00

17.00

SLATE

Grey

Brownish

Fine

Fractured

17.00

23.00

SLATE

Grey

Brownish

Fine

Fractured

Fresh

23.00

31.00

SLATE

Grey

Bluish

Fine

Fresh

WATER LEVEL:

Meth. meas.

Level status

Piez. Info src.

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

20001009

1335

0.00

2.72

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Date compiled: 6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01028 Number: IVS-B28

Site type: Borehole

Distr./Farm No.: 552 IQ

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -75183.270

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]:	30.00
------------	-------

X Coord. [m]: 2949852.34

Alt No. 2:

Site status: In use

Collar h. [m]: 0.30

Altitude [m]: 1451.46

Site purp.: Observation

Drain. req.:

Coord. acc.: Accurate to within 10 units

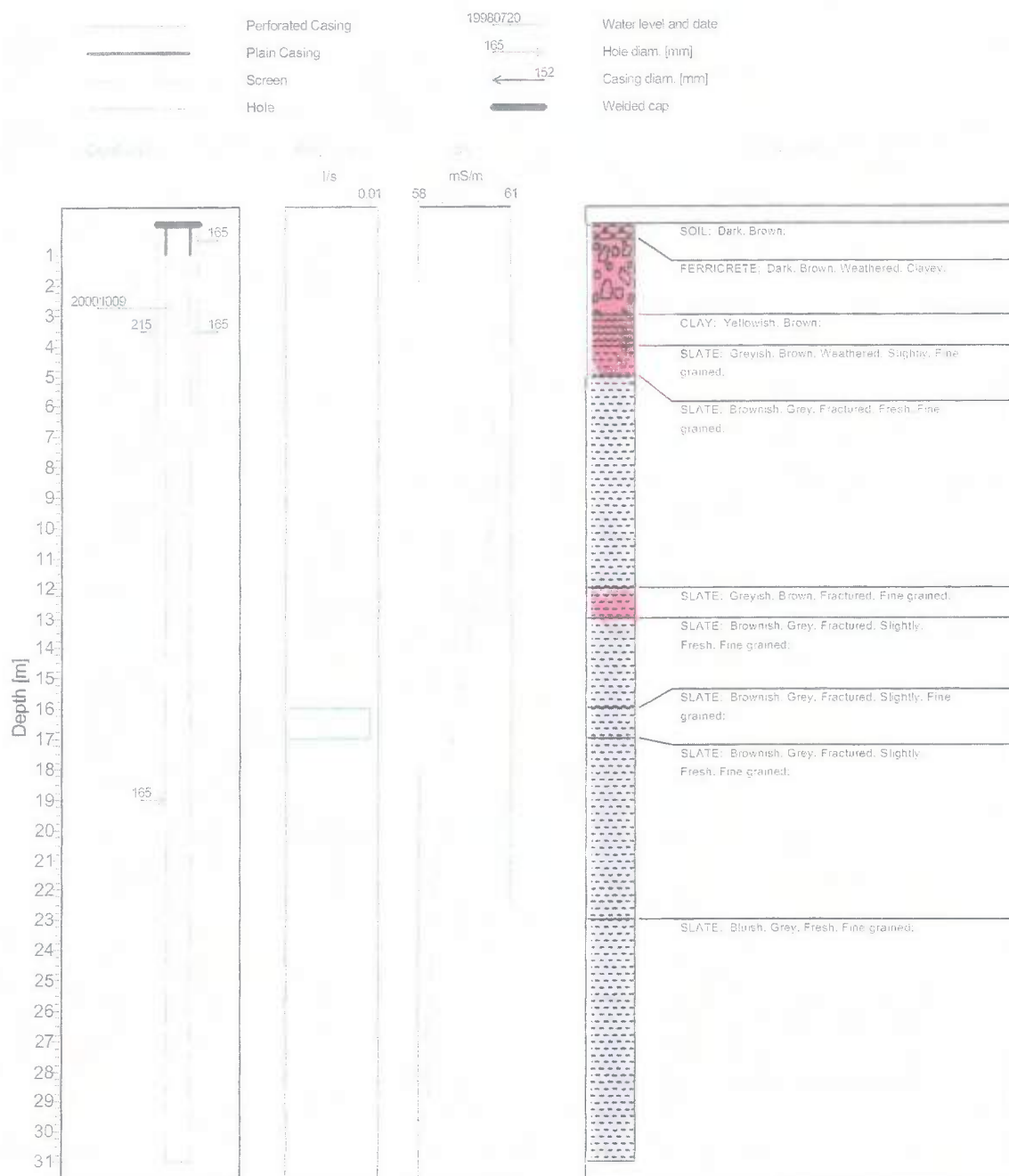
Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA



COMMENT:

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Page 1

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Site Information Report

Date compiled: 6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01029 Number: IVS-B29

Site type: Borehole

Distr./Farm No.:

Site Name/Des.: ISCOR V D BIJL MONITORING B/HOLE

Region Type:

Region Descr.:

Y Coord. [m]: -75652.200

Reg.IBB.:

Topo-set.: Flat surface, plain

Depth [m]: 30.00

X Coord. [m]: 2950189.04

G-Nr.:

Site status: In use

Col. ht. [m]: 0.22

Altitude [m]: 1457.85

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

CONSTRUCTION:

Date const. Contractor

Constr. meth.

Type finish

Development Method

Special Durat. treatment

Constr. cost

20000915 EDMS - BOET JACKSON Air percussion

Open bottom

HOLE DIAMETER:

Rep. Inst.

Depth to Top [m]

Depth to Bottom [m]

Diameter [mm]

Date constr.

Comment

JMA

0.00

13.00

215

20000915

ROTARY PERCU

JMA

13.00

30.00

165

20000915

ROTARY PERCU

CASING DETAILS:

Date inst.

Dep. to top [m]

bot. [m]

Diam. [mm]

Material

Thickn. [mm]

Openings [mm]: Type

Length

Width

Hori. dist. Vert. dist.

20000915

0.00

1.00

165

Steel

3

20000915

1.00

12.00

165

Steel

3

Perforated or slotted

AQUIFER:

Rep. Inst.

Depth to Top [m]

Bot. [m]

Yield [[l/s]]

Method meas.

Aquifer type

Info source

Comment

JMA

25.00

26.00

0.01

Estimated

Geologist, technician,

GEOLOGY:

Dep. Top [m]

Bot. [m]

Lithology code

Colour Primary

Secondary

Texture

Feature Primary

Secondary

0.00

0.50

SOIL

Brown

Dark

Clayey

Sandy

0.50

2.00

FERRICRETE

Brown

Yellowish

Weathered

Clayey

2.00

4.00

GRIT

Brown

Dark

Clayey

4.00

5.00

CLAY

Brown

Yellowish

5.00

6.00

SHALE

Brown

Yellowish

Fine

Weathered

6.00

9.00

SHALE

Brown

Greyish

Fine

Weathered

Fractured

9.00

11.00

SHALE

Grey

Brownish

Fine

Fresh

Fractured

11.00

13.00

SHALE

Grey

Fine

Fresh

Fractured

13.00

21.00

SHALE

Grey

Fine

Fresh

Fractured

21.00

25.00

SHALE

Grey

Fine

Fresh

25.00

26.00

SHALE

Grey

Fine

Fractured

26.00

31.00

SHALE

Grey

Fine

Fresh

Carbonaceous

WATER LEVEL:

Meth. meas.

Level status

Piez. Info src.

Date meas.

Time meas.

Sec.

Water lev. [m]

Comment

Electrical contact

Static

0

Field checked

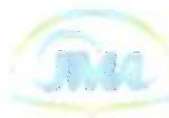
20001009

1400

0.00

2.11

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Borehole Construction and Geological Log

Date compiled: 6/18/2001

BASIC SITE INFORMATION:

Site Identifier: 2627DB01029 Number: IVS-B29

Site type: Borehole

Distr./Farm No.:

Site Name/Descr.: ISCOR V D BIJL MONITORING B/HOLE

Y Coord. [m]: -75652.200

Alt. No. 1:

Topo-set.: Flat surface, plain

Depth [m]: 30.00

X Coord. [m]: 2950189.04

Alt. No. 2:

Site status: In use

Collar h. [m]: 0.22

Altitude [m]: 1457.85

Site purp.: Observation

Drain. reg.:

Coord. acc.: Accurate to within 10 units

Use applic.: Industrial - industrial

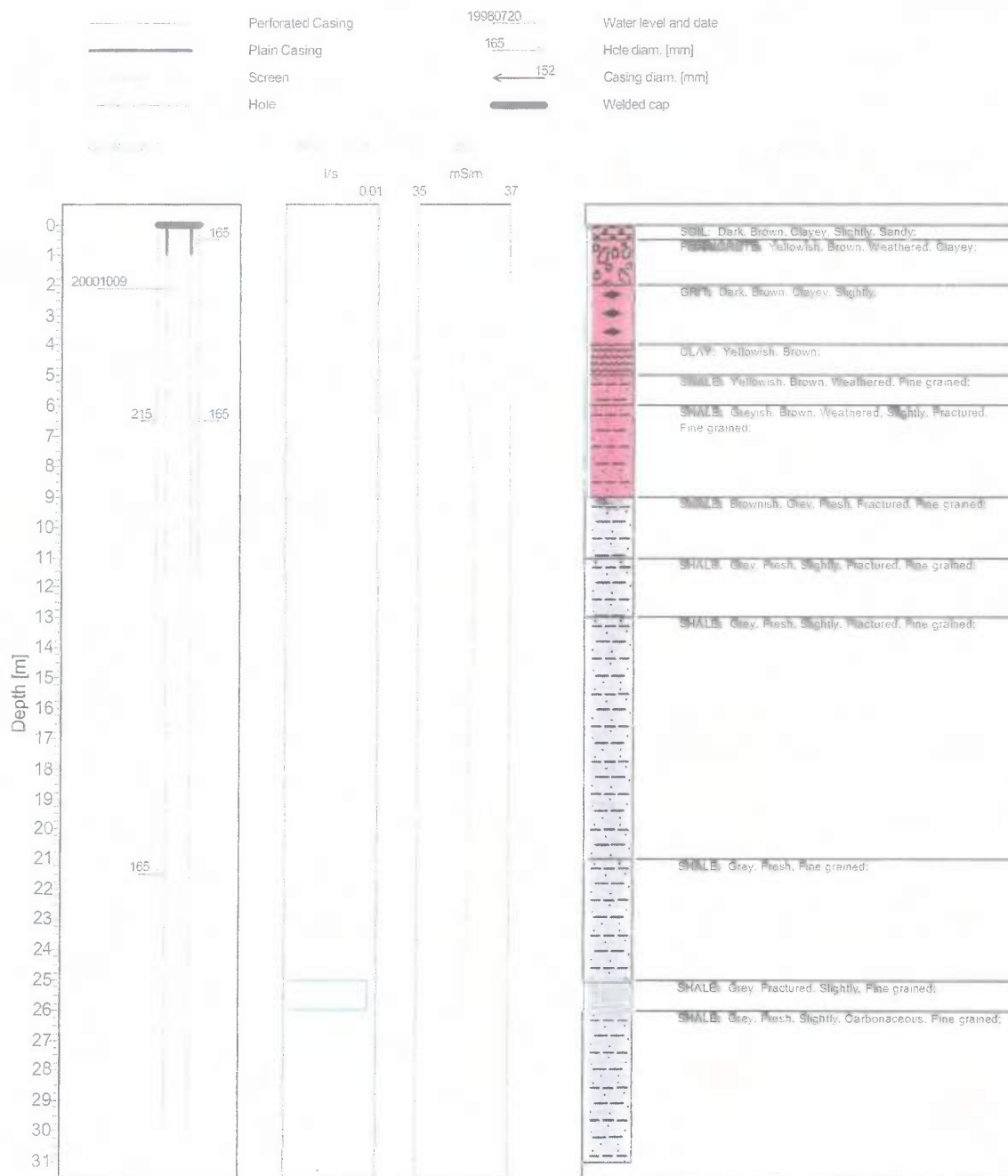
Diam. [mm]: 165

Coord. meth.: Interpolated from map

Equipment: No equipment

Rep. inst.: JMA

Construction and Geology Log



COMMENT:



Jasper Müller Associates cc.
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Tel: (013)665 1788
E-mail: webmaster@jma-cc.co.za

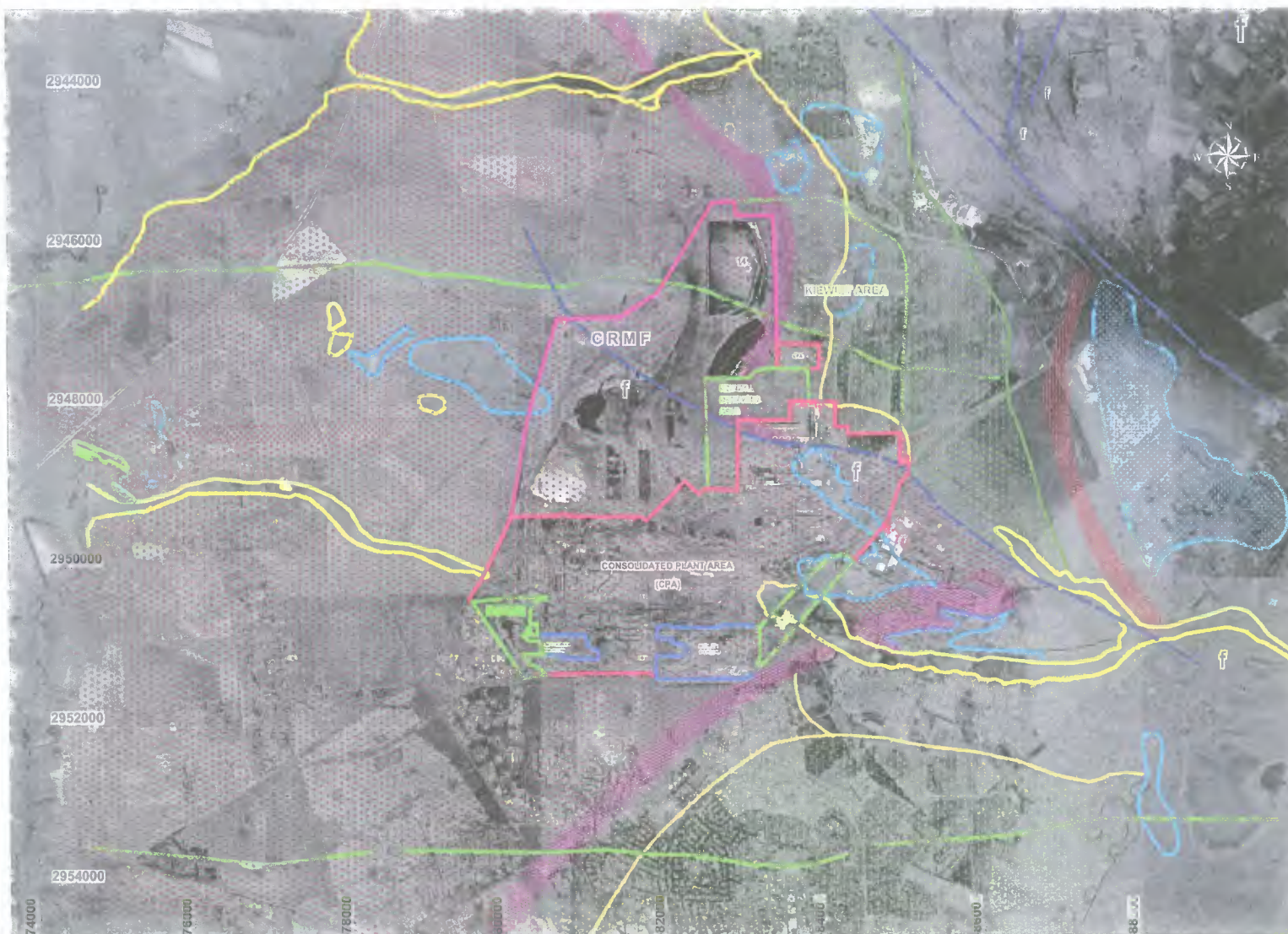
APPENDIX V

FIGURE V-1: Regional Geology

DATA SET V-1: Summary of geochemical analyses done on the Transvaal Sequence

FIGURE V-1

Regional Geology



LEGEND

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silverton: Shale with interbedded quartzite, hornfels, limestone
- Timeballhill: Klapperkop quartzite, ferruginous
- Alluvium
- Malmanie Subgroup: Dolomite, chert & remnants of chert breccia

SCALE 1: 80 000

Client: RSCM, Vanderlipark Steel
 Project: Mafeking North West
 Map Series: 1001
 Compiled by: G. Cloete
 Checked by: R. Grobbelaar

JASPER MÜLLER ASSOCIATES CC

Project no:
10193

Date:
October 2002

FIGURE V-1

Regional Geology

DATA SET V-1

Summary of geochemical analyses done on the Transvaal Sequence

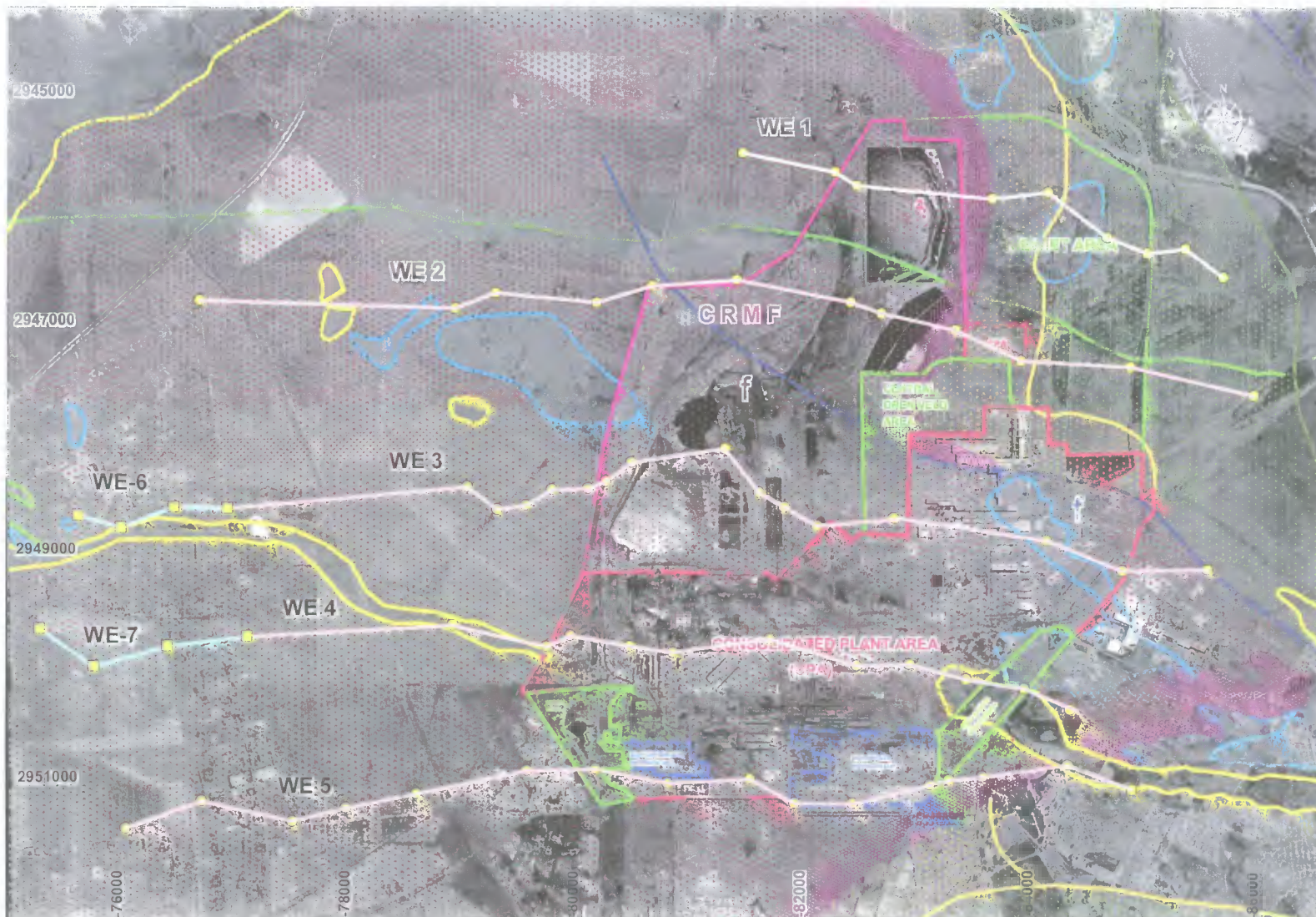
DATASET V-1: Summary of geochemical analyses done on the Transvaal Sequence.

ELEMENT	LOWER TIMEBALL HILL SHALE			TIMEBALL HILL QUARTZITE			STRUBENKOP FORMATION			DASPOORT FORMATION			SILVERTON FORMATION			HEKPOORT		
	AMOUNT	RANGE		AMOUNT	RANGE		AMOUNT	RANGE		AMOUNT	RANGE		AMOUNT	RANGE		AMOUNT	RANGE	
		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX
SiO ₂	120	37.96	78.92	43	53.22	98.83	55	16.08	65.63	59	62.68	99.61	203	29.08	89.23	13	44.33	62.87
TiO ₂	120	0.28	1.33	43	<LLD	0.84	55	0.28	1.37	59	<LLD	0.83	203	<LLD	1.76	13	0.51	1.9
Al ₂ O ₃	120	5.31	33.62	43	0.14	27.45	55	10.97	34.25	59	0.14	18.34	203	0.32	25.37	13	14.99	37.51
Fe ₂ O ₃	120	1.14	23.61	43	0.3	12.33	55	1.96	34.21	59	0.22	12.37	203	0.5	35.64	13	1.39	12.33
MnO	120	<LLD	0.25	43	<LLD	0.06	55	<LLD	0.12	59	<LLD	0.05	203	<LLD	0.6	13	<LLD	0.25
MgO	120	0.03	5.35	43	<LLD	2.04	55	0.03	2.21	59	<LLD	1.39	203	0.11	20.66	13	<LLD	5.23
CaO	120	<LLD	0.58	43	<LLD	0.1	55	<LLD	0.79	59	<LLD	0.87	203	<LLD	27.45	13	<LLD	15.08
Na ₂ O	120	<LLD	2.69	43	<LLD	0.88	55	<LLD	1.2	59	<LLD	4.73	203	<LLD	5.92	13	<LLD	1.32
K ₂ O	120	0.05	6.29	43	<LLD	4.54	55	0.15	5.87	59	<LLD	4.58	203	0.01	5.46	13	0.04	8.04
P ₂ O ₅	120	<LLD	0.58	43	<LLD	0.16	55	<LLD	0.69	59	<LLD	1.14	203	<LLD	0.81	13	0.01	0.23
H ₂ O	120	0.03	4.5	43	<LLD	0.3	55	0.09	1.63	59	0.01	0.54	203	0.04	6.92	13	0.07	0.55
LOI	120	1.32	9.2	43	0.02	4.88	55	1.01	7.75	59	0.12	3.35	203	-0.05	31	13	1.7	8.7
Zn	120	9	934	43	<3	44	55	6	246	59	<3	105	203	7	414	13	8	148
Cu	120	4	188	43	<3	65	55	10	310	59	<3	95	203	<3	263	13	3	165
Ni	120	9	509	43	<3	69	55	23	717	59	<3	102	203	<3	160	13	38	354
Co	120	<3	75	43	<3	24	55	<3	46	59	<3	26	203	<3	70	13	<3	38
Ga	120	<3	51	43	<3	33	55	20	39	59	<3	31	203	<3	140	13	14	37
Mo	120	<2	19	43	<2	86	55	<2	19	59	<2	13	203	<2	18	13	<2	7
Nb	120	5	26	43	<2	18	55	6	22	59	<2	16	203	4	22	13	6	20
Zr	120	80	415	43	22	336	55	97	295	59	26	975	203	7	263	13	76	295
Y	120	11	122	43	<2	42	55	19	59	59	<2	149	203	<2	96	13	14	426
Sr	120	4	316	43	<2	125	55	15	421	59	2	438	203	3	342	13	28	508
Rb	120	5	402	43	<2	225	55	9	245	59	<2	184	203	<2	228	13	<2	407
U	120	<5	22	43	<5	12	55	<5	14	59	<5	13	203	<5	13	13	<5	11
Th	120	<5	34	43	<5	29	55	9	36	59	<5	18	203	<5	31	13	8	26
Pb	120	<5	77	43	<5	133	55	<5	102	59	<5	141	203	<5	100	13	<5	55
Cr	120	46	733	43	38	249	55	100	638	59	58	338	203	<14	528	13	35	459
V	120	37	510	43	<14	152	55	118	606	59	<14	151	203	30	599	13	148	694
Ba	120	73	9799	43	<16	1508	55	93	1077	59	20	1243	203	<16	10786	13	75	1945
Sc	120	<8	36	43	<8	19	55	12	54	59	<8	22	203	<8	50	13	14	83
As	120	<10	460	43	<10	69	55	<10	11	59	<10	11	203	<10	66	13	<10	18
S	120	<50	7280	43	<50	1256	55	73	624	59	<50	891	203	<50	30176	13	<50	1296
Sb	120	<8	25	43	<8	11	55	<8	27	59	<8	8	203	<8	50	13	<8	16
Sn	120	<8	23	43	<8	24	55	<8	17	59	<8	16	203	<8	82	13	<8	14
B	120	22	206	1	-	-	7	48	161	9	10	129	39	4	1670	3	227	284

<LLD Below lower detection limit

APPENDIX VI

FIGURE VI-1:	Location of Cross Section Lines.
FIGURE VI-2:	Geological Cross Section WE1 .
FIGURE VI-3:	Geological Cross Section WE2 .
FIGURE VI-4:	Geological Cross Section WE3 .
FIGURE VI-5:	Geological Cross Section WE4 .
FIGURE VI-6:	Geological Cross Section WE5 .
FIGURE VI-7 :	Geological Cross Section WE6 .
FIGURE VI-8 :	Geological Cross Section WE7 .
FIGURE VI-9:	Local Geology - CRMF .
FIGURE VI-10:	Local Geology - CPA .
FIGURE VI-11:	Local Geology - SSPA-SW .
FIGURE VI-12 :	Local Geology - SSPA-SE .
FIGURE VI-13 :	Local Geology - KA .
FIGURE VI-14 :	Local Geology - OVA-C .
FIGURE VI-15 :	Local Geology - PA-SW .
FIGURE VI-16 :	Local Geology - OVA-SE .
FIGURE VI-17 :	Local Geology - Area Surrounding IVS Works .
FIGURE VI-18 :	Local Geology - Rietkuilspruit Area .



LEGEND

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silverton: Shale with interbedded quartzite, hornfels, limestone
- Timeballhill: Klapperkop quartzite, ferruginous
- Alluvium

MP Traverse lines (WE1-WE5)

Other Traverse lines (WE6-WE7)

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SCALE 1: 50 000

Client: BCOB, Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: C. Cloete
Checked by: R. Grobbelaar



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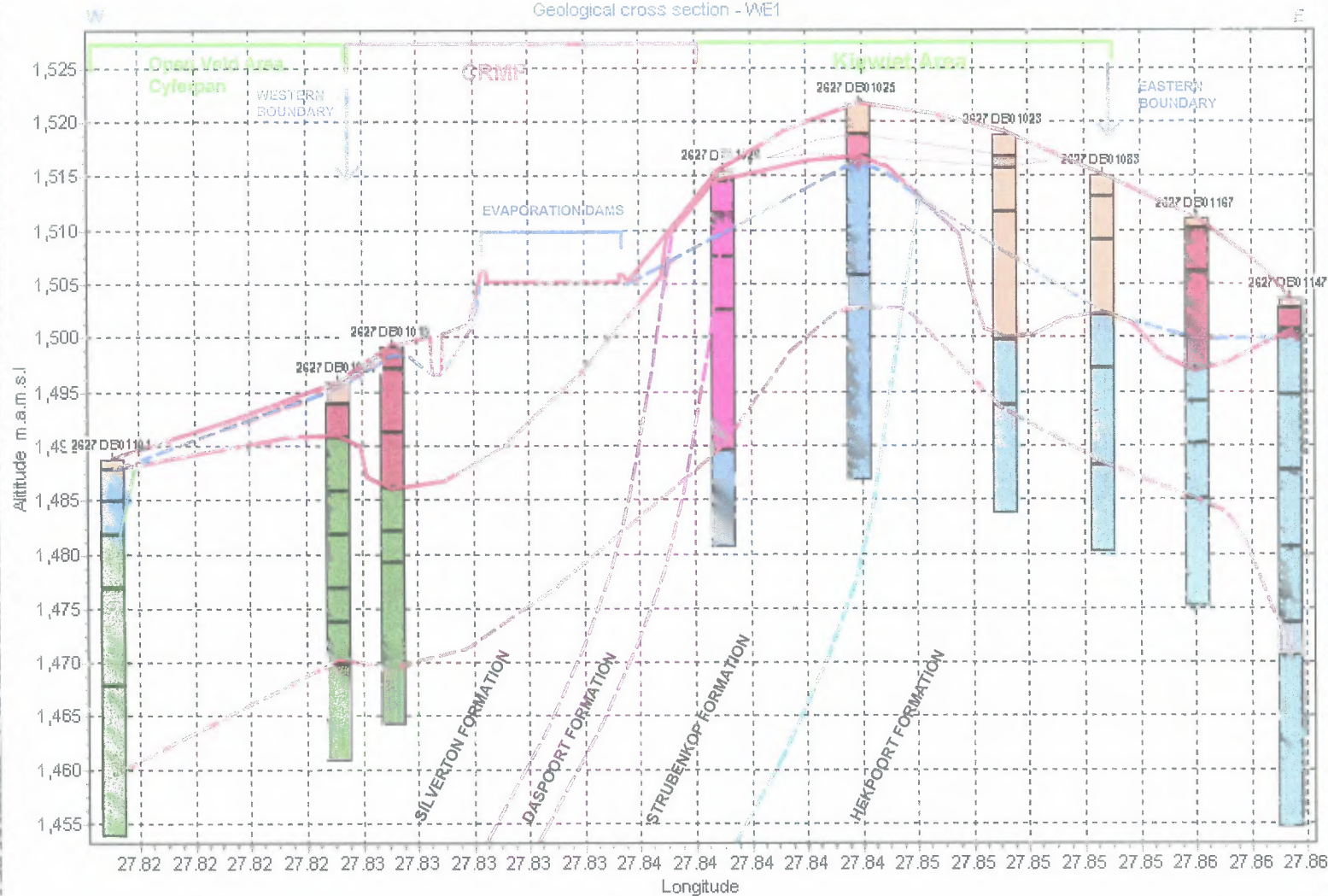
Project no:
10193

Date:
October 2002

FIGURE VI-1

Map indicating location
of Cross section lines

Geological cross section - WE1



- BOULDER CLAY
- BOULDERS AND CLAY
- CLAY
- DIABASE
- LAVA
- QUARTZITE
- SHALE
- SOIL

- WATER TABLE
- LIMIT OF WEATHERING

CRMF Consolidated Residue Management Facility

Open Veld Area
Cyferpan

Kiewiet Area

Client: INCOIL Vanderbijlpark Steel
Project: Masterplan Remediation Study
Map Station: Final
Compiled by: G. Cloete
Checked by: R. C. Cloete



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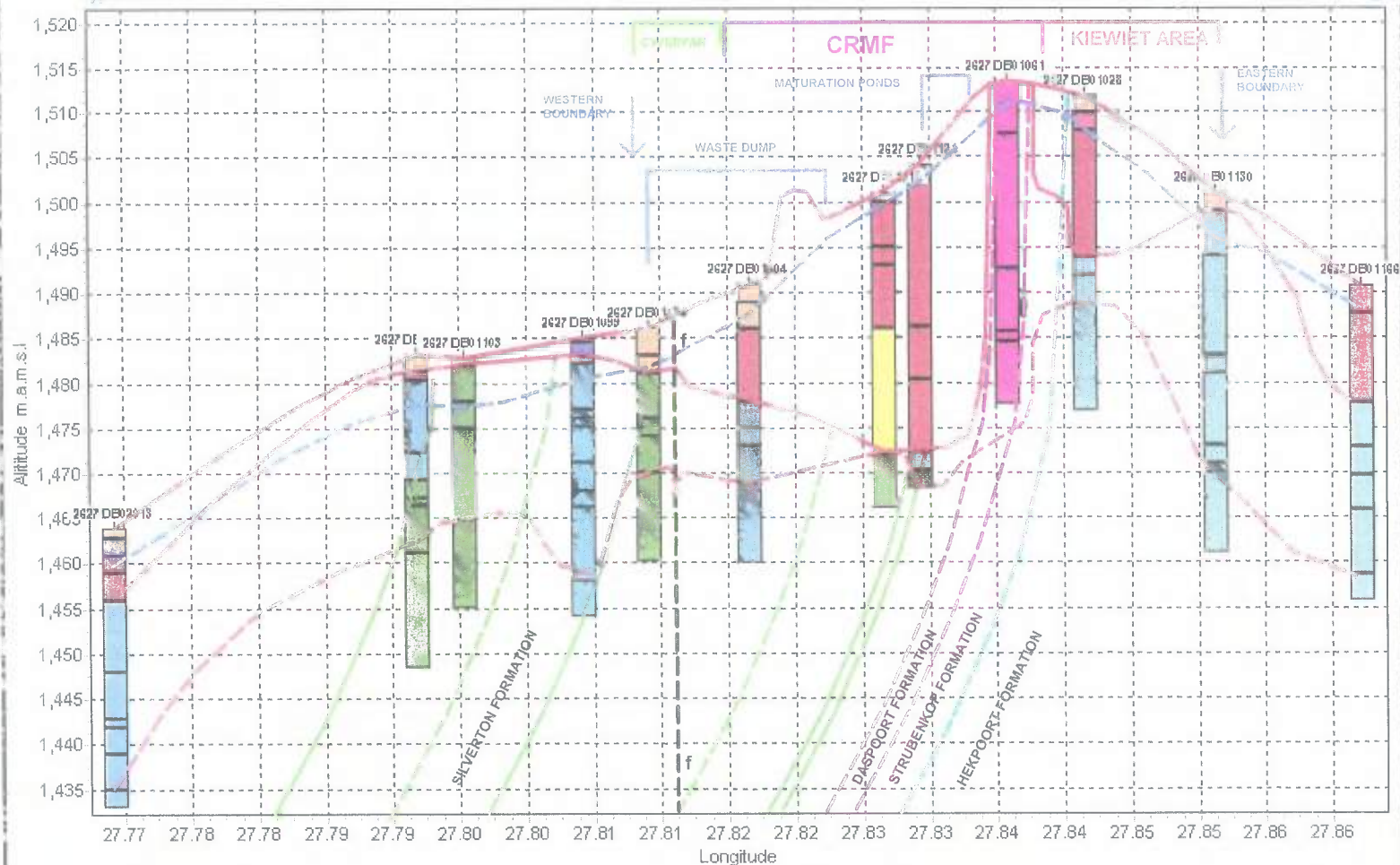
FIGURE VI-2

Geological Cross Section - WE1



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Geological cross section - WE2



- BOULDERS
- CLAY
- DIABASE
- FERRICRETE
- LAVA
- OVERBURDEN
- QUARTZITE
- SAND
- SHALE
- SLATE
- SOIL

- WATER TABLE
- LIMIT OF WEATHERING

KIEWIET AREA

CRMF -

(Consolidated Residue Management Facility)

CYFERPAN -

(Open Veld Area)

Client: ISCOR Vanderbijlpark Steel
 Project: Masterplan Baseline Study
 Map status: Final
 Compiled by: G. Cloete
 Checked by: A. Cretschmer



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Project no:

10193

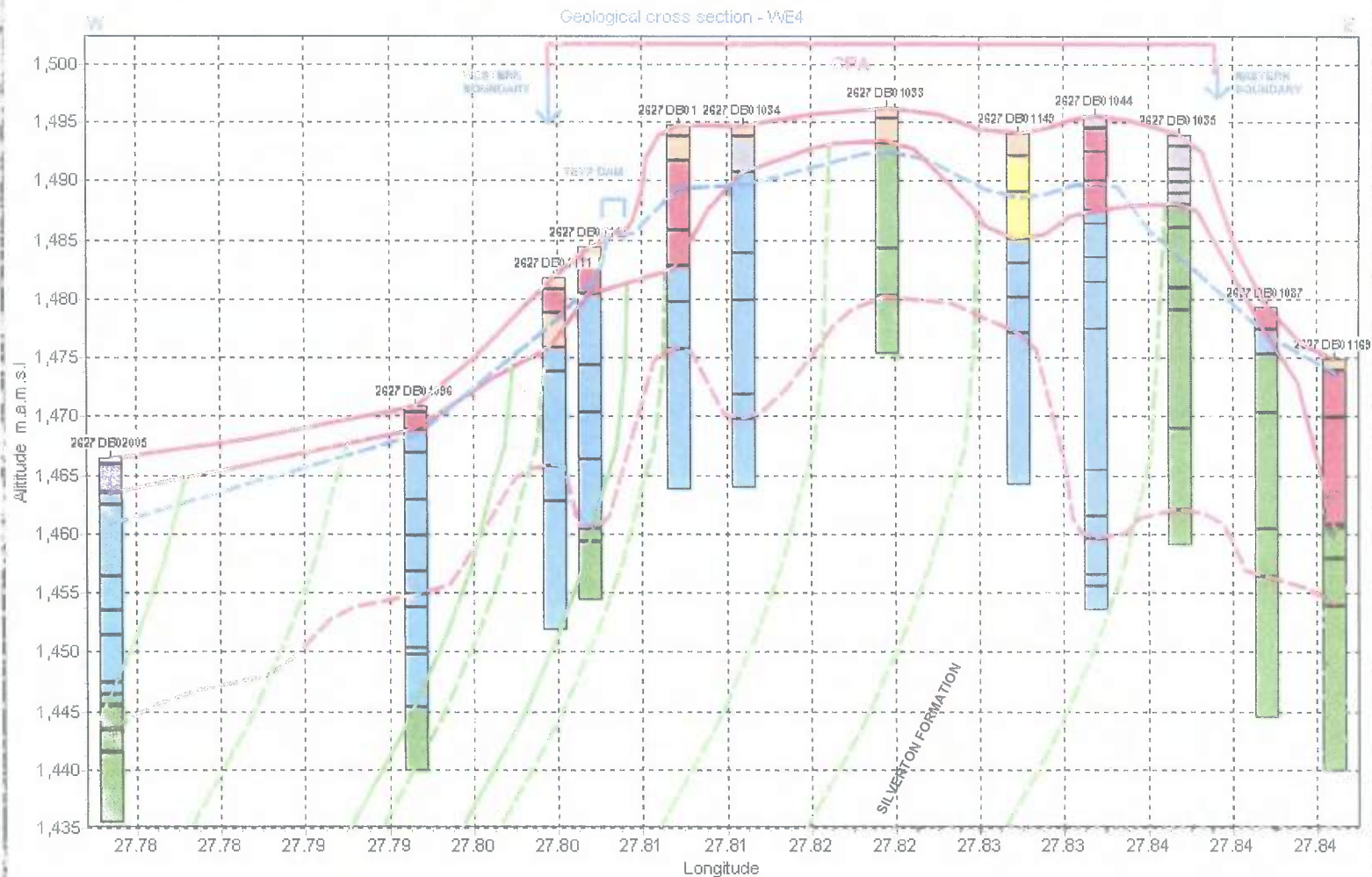
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FIGURE VI-3

Geological Cross Section - WE2

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- CLAY
- DIABASE
- FERRICRETE
- OVERBURDEN
- RUBBLE
- SAND
- SHALE
- SLATE
- SOIL

WATER TABLE
LIMIT OF
WEATHERING

CPA -
(Consolidated
Plant Area)

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: J. Gubbins



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Project no:
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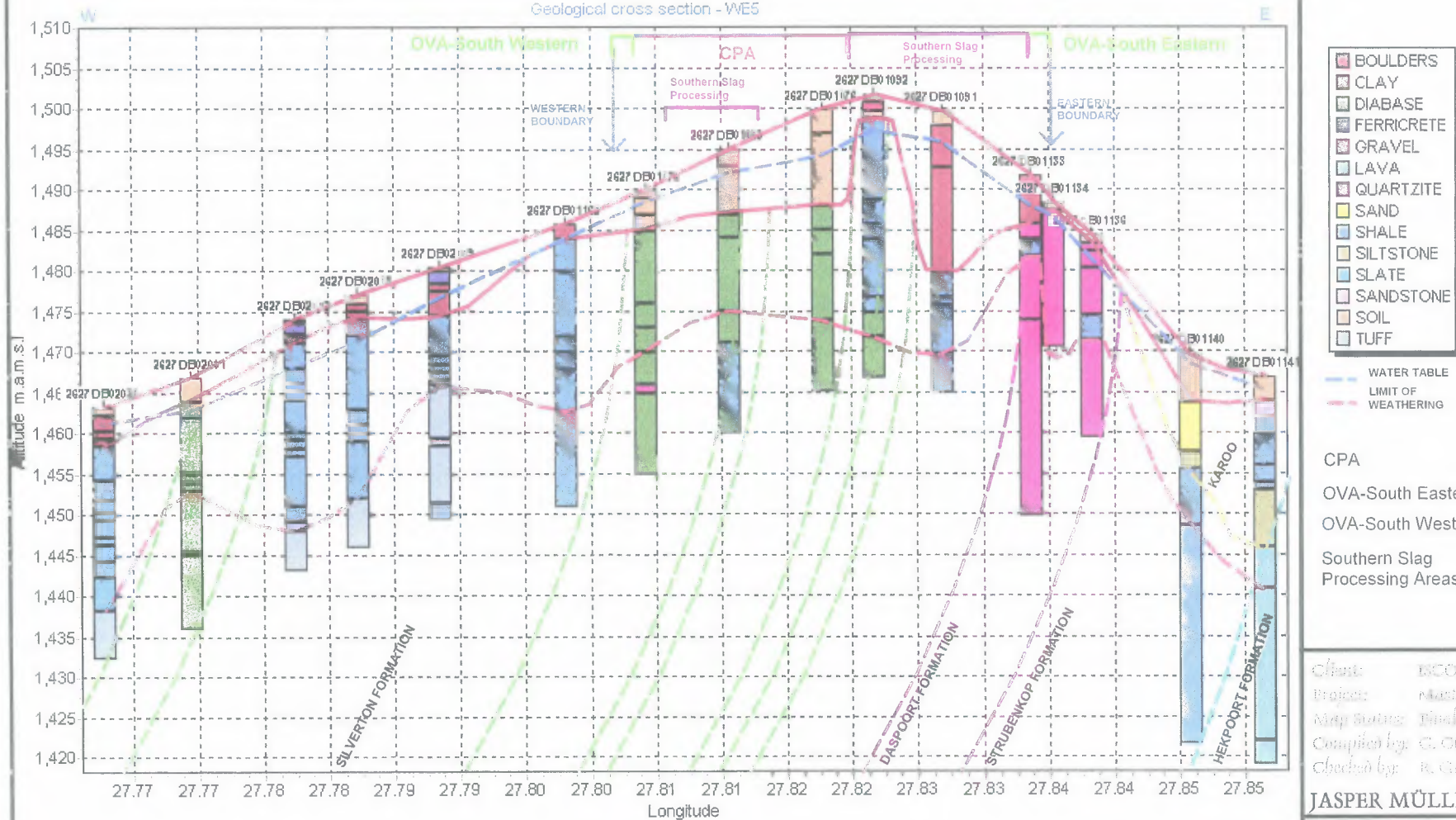
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FIGURE VI-5

Geological Cross Section - WE4

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Geological cross section - WE5



CPA

OVA-South Eastern

OVA-South Western

Southern Slag Processing Areas

Client: BCOM Vanderbijlpark Steel

Project: Masterplan Baseline Study

Map Status: Final

Compiled by: C. Cloete

Checked by: R. Grobbelaar



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Project no:

10193

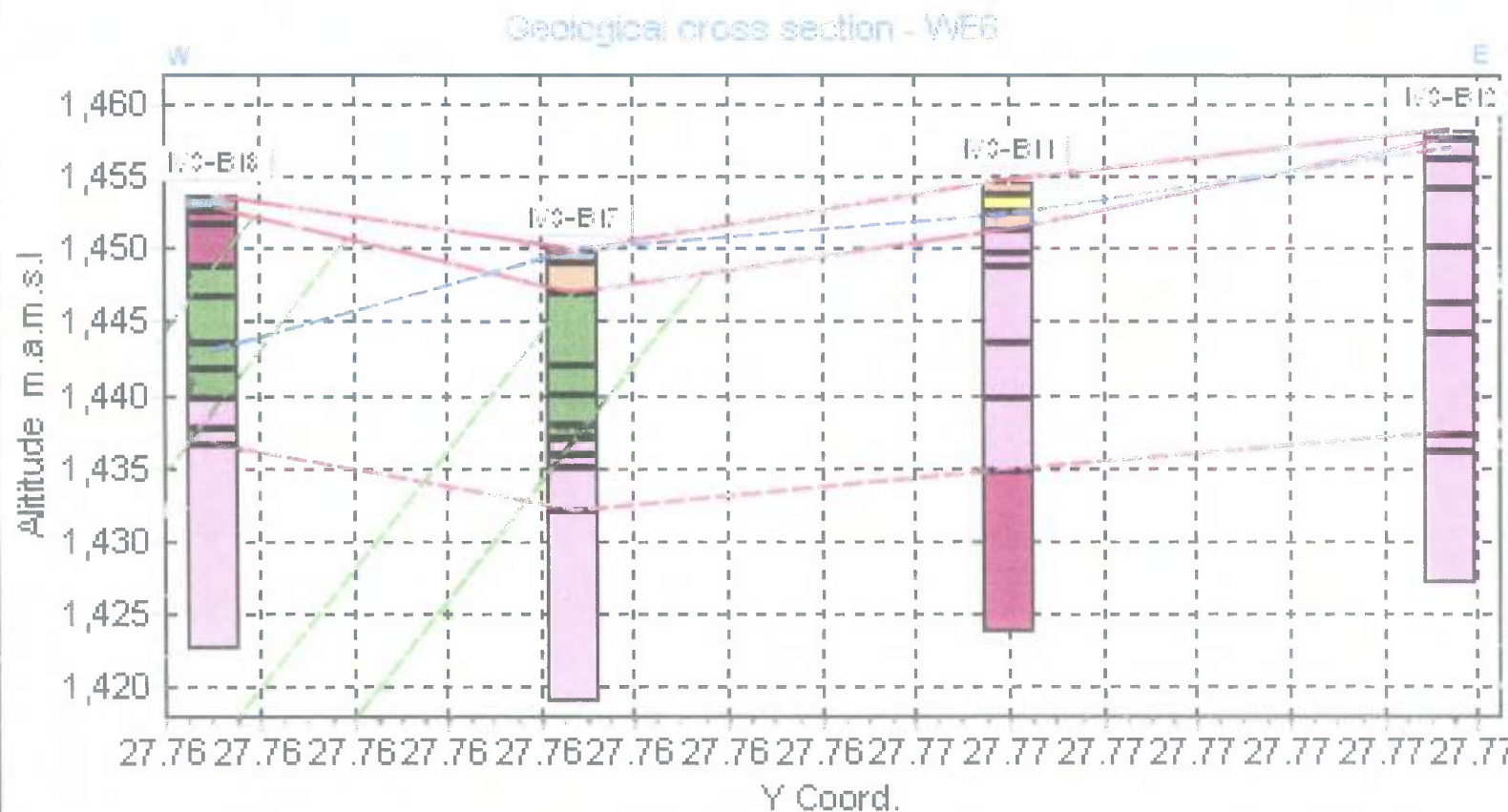
Date:

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FIGURE VI-6

Geological Cross Section - WE5

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LEGEND

- SOIL
- SLATE
- SHALE
- FERRICRETE
- DIABASE
- CLAY
- WATER TABLE
- LIMIT OF WEATHERING

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Client: TSCOR, Vanderlipark steel
 Project: Masterplan Baseline Study
 Map status: Final
 Compiled by: G. Cloete
 Checked by: A. Grottelbaer



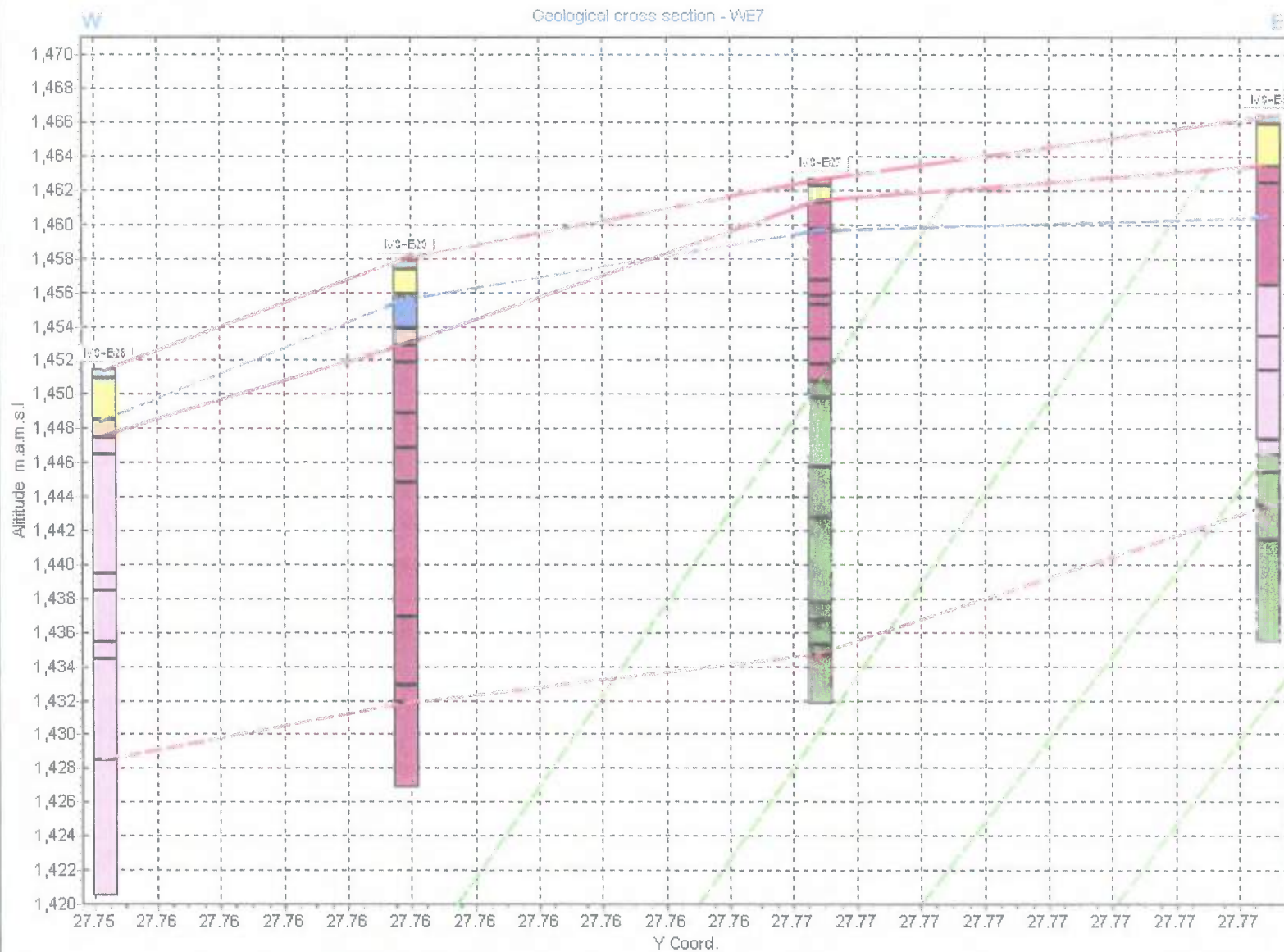
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Project no:
10193

Date:
November 2002

FIGURE VI-7

Geological Cross Section WE6



LEGEND



WATER TABLE

LIMIT OF WEATHERING

Client: WCCM Vanderbijlpark Sand
 Project: Masterplan Baseline Study
 Map Status: Final
 Compiled by: G. Cloos
 Checked by: R. Grobbelaar



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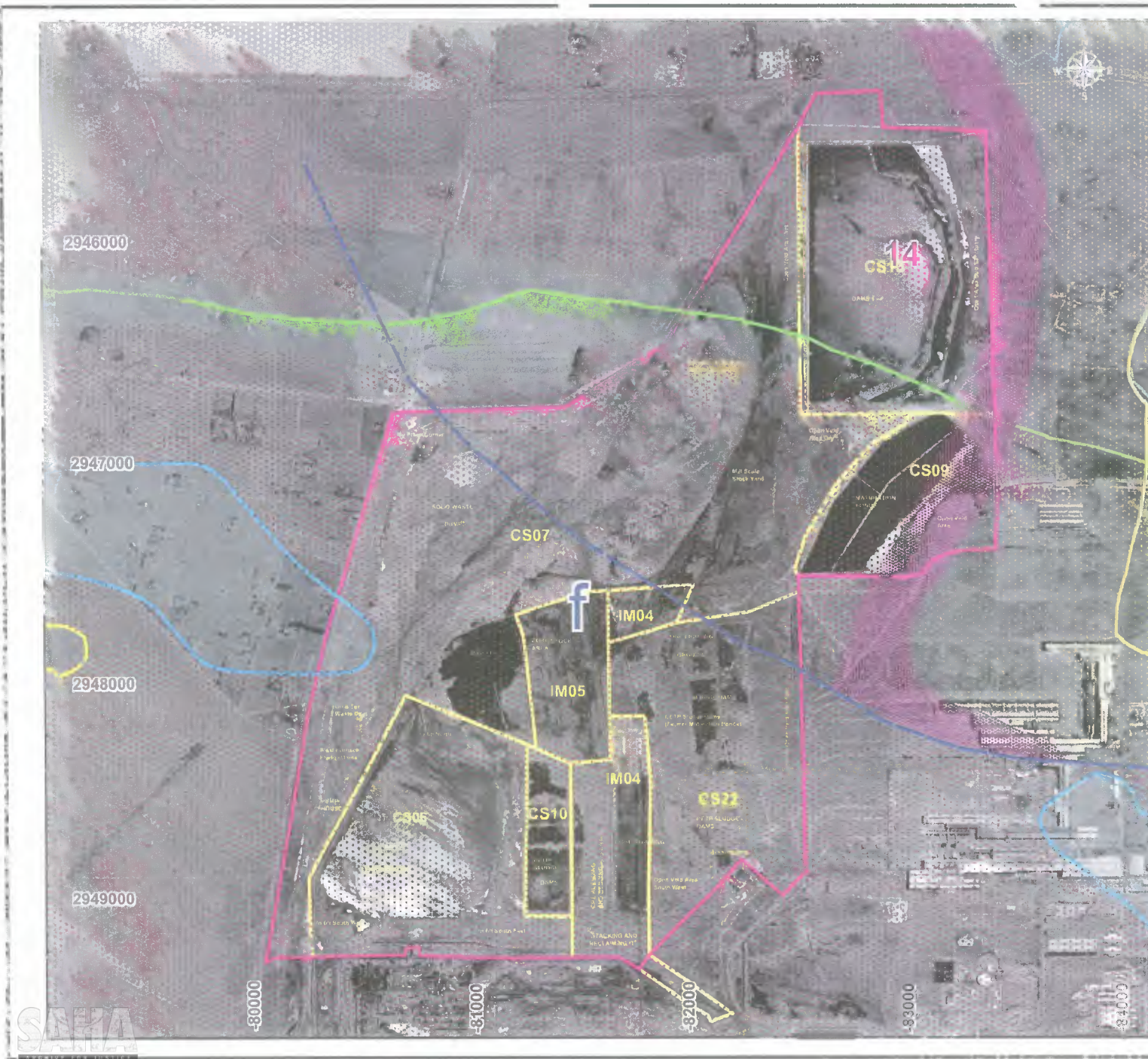
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FIGURE VI-8

Geological Cross-Section WE7

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LEGEND

CS06 - Dam 10
 CS07 - Solid Waste Dump
 CS09 - MP Dams
 CS10 - CETP Sludge
 CS13 - Dams 1-4
 CS22 - CETP Sludge Dams

IM04 - Storage Area
 IM05 - Coke Storage Area

- Fault
- Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Alluvium
- Silverton: Shale with interbedded quartzite, hornfels, limestone

SCALE 1: 26 000

Client: ESCOR Waterworks Dept
 Project: Waterworks System Study
 Map Status: Final
 Compiled by: C. Cloete
 Checked by: H. Grobelaar

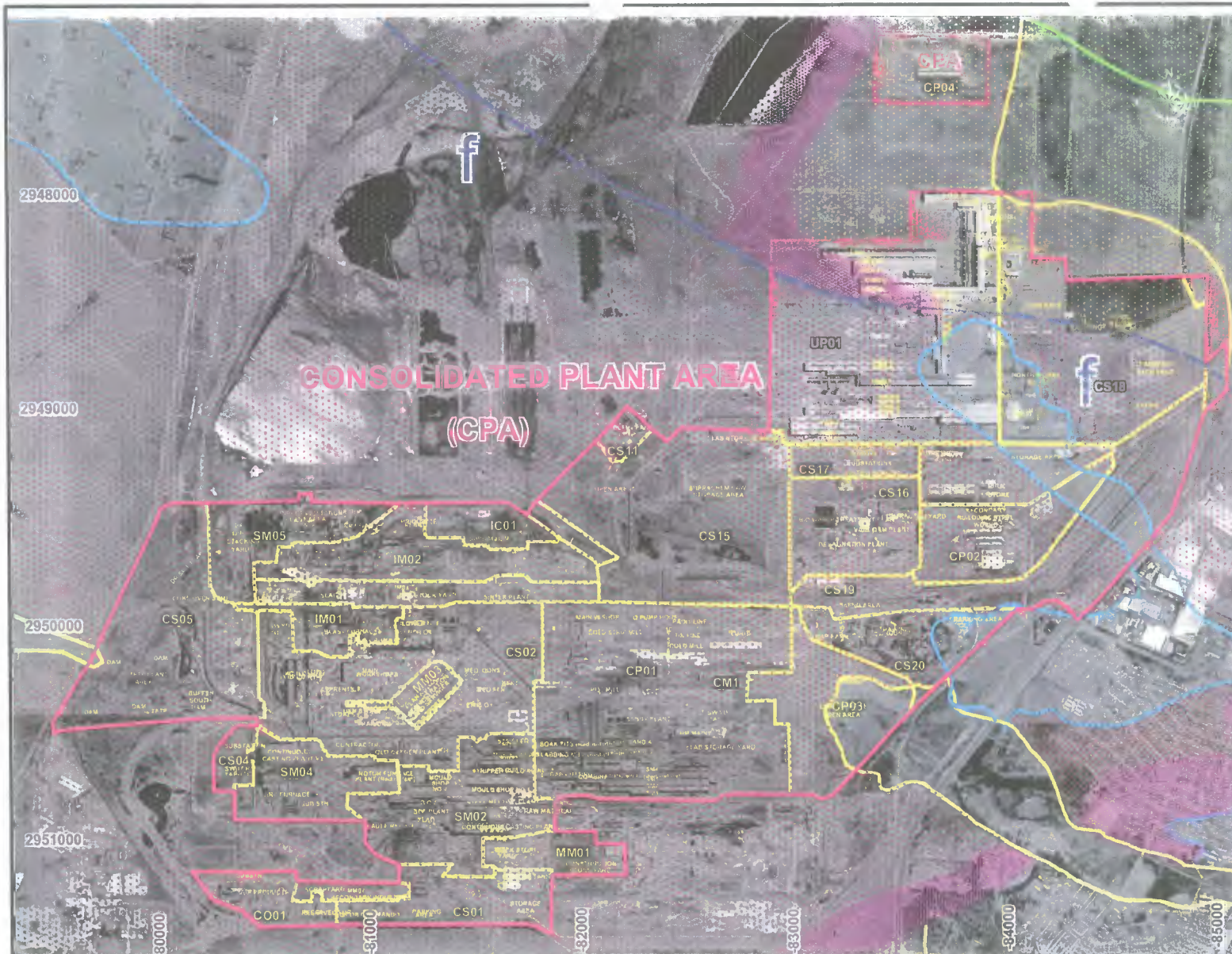
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 10193

Date:
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FIGURE VI-9

Local Geology Description
 of the CRMF



LEGEND

Coated

- CP01 - Casting & Mill Plant
- CP02 - Sec. Building Steel Works
- CP03 - Open Area
- CP04 - Plate Processing Plant

Central Services

- CS01 - Storage Area
- CS02 - Main Workshop & Med. Station
- CS11 - CETP Plant
- CS15 - Open Areas
- CS17 - Substations
- CS18 - Open Areas
- CS19 - Siding Area
- CS20 - Training Area & Nursery

Contractors

- CO01 - Air Products

Steel making

- SM02 - BOF Plant
- SM04 - Continuous Casting Plant
- SM05 - Direct reduction Plant Area

Industrial Company

- IC01 - Suprachem

Iron Making

- IM01 - Blast Furnace
- IM02 - Coke Ovens

Materials Management

- MM01 - Storeyard
- MM03 - Administration & Services

Uncoated

- UP01 - CWN & HWN

SCALE 1: 26 000

Client: ISCOR Vanderbijlpark Steel
 Project: Masterplan Baseline Study
 Map Status: Final
 Compiled by: G. Cloete
 Checked by: R. Grobbelaar

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10193

Date:

October 2002

FIGURE VI-10

Local Geology Description
 of the CPA



Fault

Dolerite Dyke



Daspoort: Quartzite & Shale,
 Ferruginous in places



Gravel



Strubenkop: Ferruginous shale,
 Quartzite



Hekpoort: Andesite,
 agglomerate, tuff



Silverton: Shale with interbedded
 quartzite, hornfels, limestone



Alluvium



LEGEND

Steel Making

SM03 - Slag Dump

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silverton: Shale with interbedded quartzite, hornfels, limestone
- Alluvium

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SCALE 1: 7 000

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



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Project no:
10193

Date:
October 2002

FIGURE VI-11

Local Geology Description
of the SSPA-SW



LEGEND

Central Services

CS03 - Open Area

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silvertown: Shale with interbedded quartzite, hornfels, limestone
- Alluvium

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SCALE 1: 9 000

Client: ISCOR Vandebijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Olters
Checked by: R. Grobelaar



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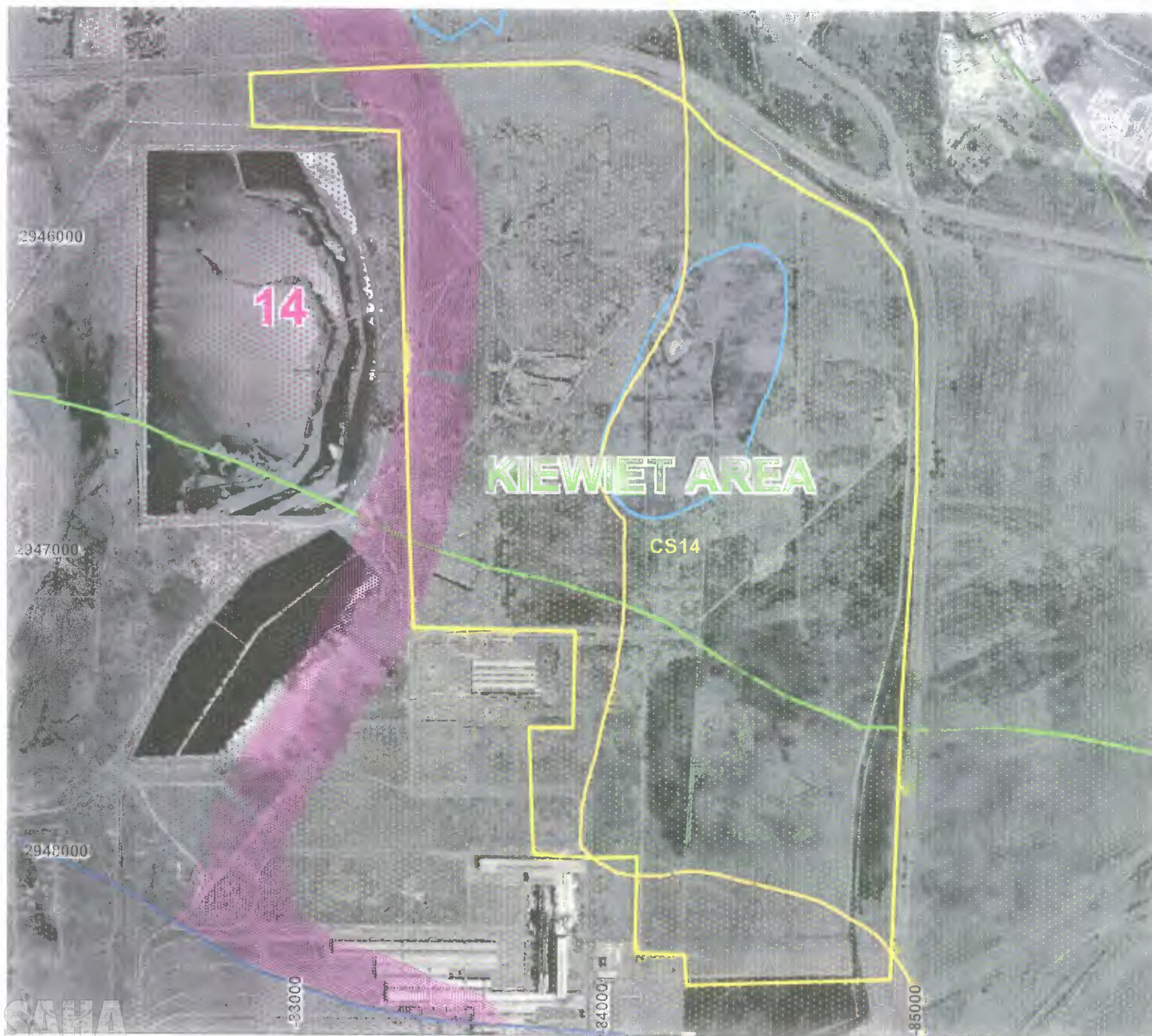
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FIGURE VI-12

Local Geology Description
of the SSPA-SE



LEGEND

Central Services

CS14 - Kiewiet Area

-  Fault
-  Dolerite Dyke
-  Daspoort: Quartzite & Shale, Ferruginous in places
-  Gravel
-  Strubenkop: Ferruginous shale, Quartzite
-  Hekpoort: Andesite, agglomerate, tuff
-  Silverton: Shale with interbedded quartzite, hornfels, limestone
-  Alluvium

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SCALE 1: 19 000

Client: TSCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



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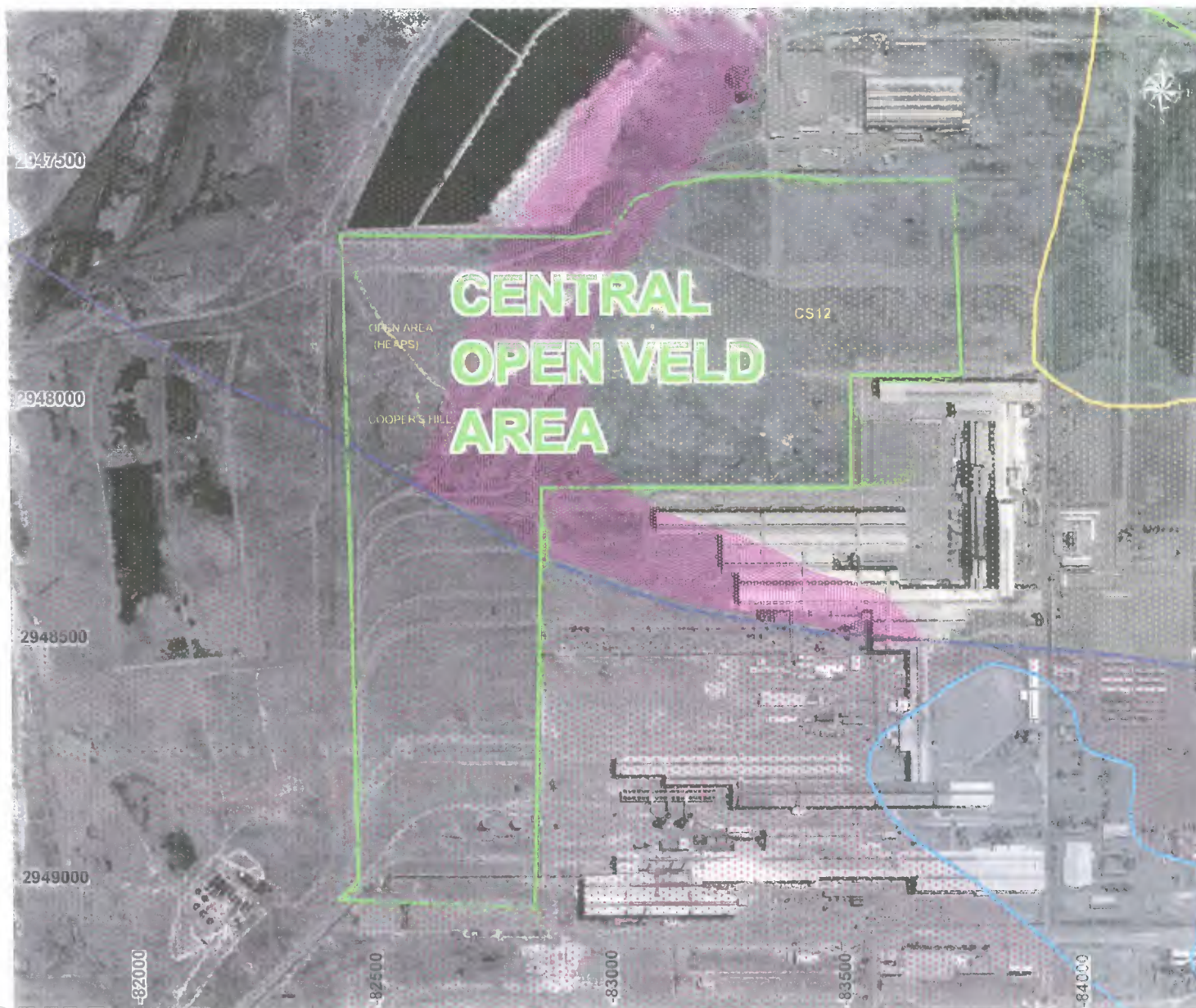
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Date:

October 2002

FIGURE VI-13

Local Geology Description
of the Kiewiet Area



LEGEND

Central Services

CS12 - Open Area Heaps

-  Fault
-  Dolerite Dyke
-  Daspoort: Quartzite & Shale, Ferruginous in places
-  Gravel
-  Strubenkop: Ferruginous shale, Quartzite
-  Hekpoort: Andesite, agglomerate, tuff
-  Silverton: Shale with interbedded quartzite, hornfels, limestone
-  Alluvium

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Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



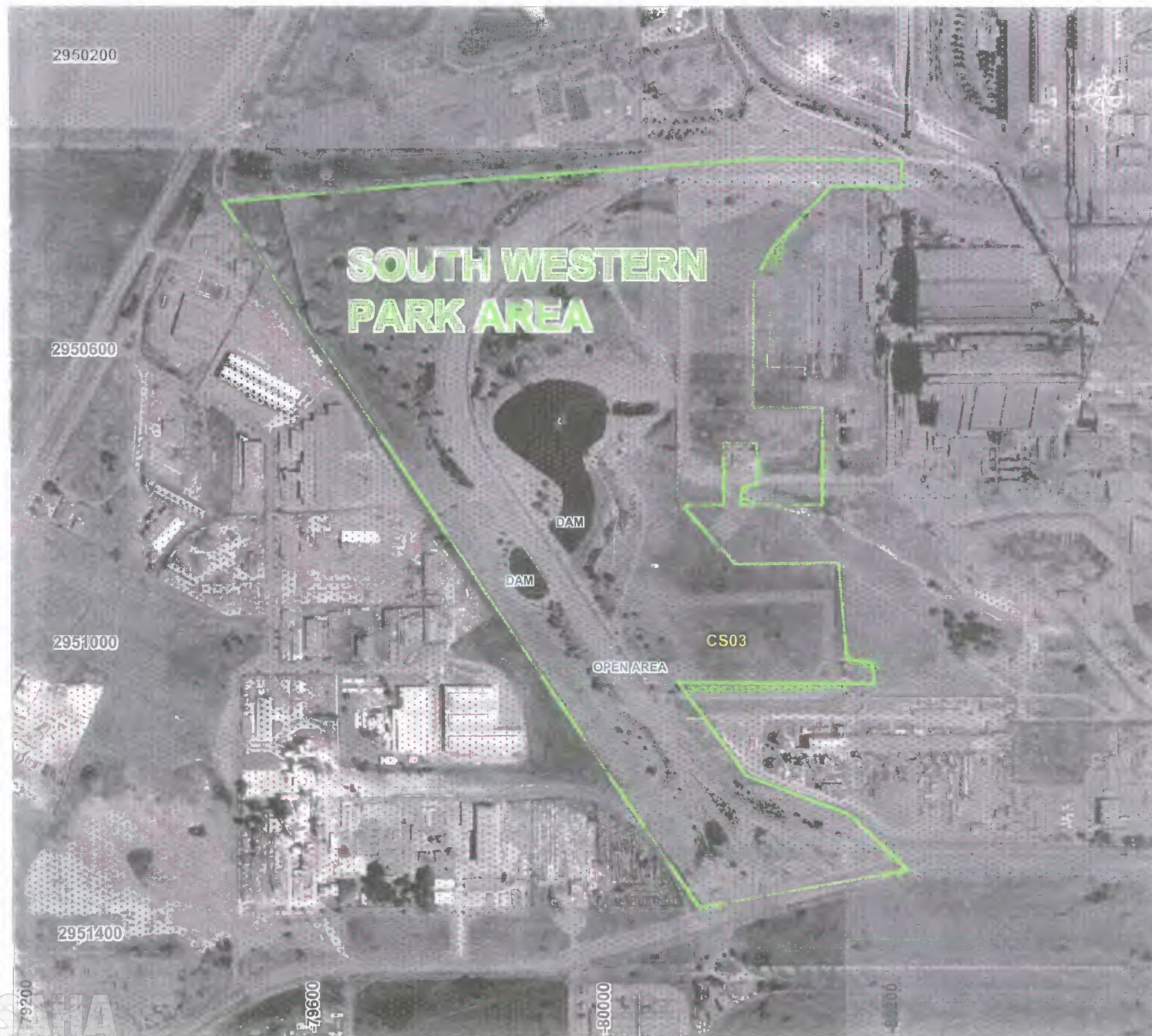
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Project no:
10193

Date:
October 2002

FIGURE VI-14

Local Geology Description
of the OVA-Central



LEGEND

Central Services

CS03 - Open Area

-  Fault
-  Dolerite Dyke
-  Daspoort: Quartzite & Shale, Ferruginous in places
-  Gravel
-  Strubenkop: Ferruginous shale, Quartzite
-  Hekpoort: Andesite, agglomerate, tuff
-  Silverton: Shale with interbedded quartzite, hornfels, limestone
-  Alluvium

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SCALE 1: 8 000

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



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Date:

October 2002

FIGURE VI-15

Local Geology Description
of the SW-Park Area



LEGEND

Central Services

CS21 - Open Area

-  Fault
-  Dolerite Dyke
-  Daspoort: Quartzite & Shale, Ferruginous in places
-  Gravel
-  Strubenkop: Ferruginous shale, Quartzite
-  Hekpoort: Andesite, agglomerate, tuff
-  Silverton: Shale with interbedded quartzite, hornfels, limestone
-  Alluvium

Draft for discussion
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Research for IVS

SCALE 1: 10 000

Client: ISCOR Steel Vanderbijlpark
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. G. G. G.
Checked by: K. G. G. G.



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Project no:
10193

Date:
October 2002

FIGURE VI-16

Local Geology Description
of the OVA-SE



LEGEND

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silverton: Shale with interbedded quartzite, hornfels, limestone
- Timeballhill: Klapperkop quartzite, ferruginous
- Alluvium

Draft for discussion
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Research for IVS

SCALE 1: 50 000

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar

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Project no:
10193

Date:
October 2002

FIGURE V-17

Local Geology Description
of the Area Surrounding
IVS Works



LEGEND

-  Canal
-  Fault
-  Dolerite Dyke
-  Daspoort: Quartzite & Shale, Ferruginous in places
-  Gravel
-  Strubenkop: Ferruginous shale, Quartzite
-  Hekpoort: Andesite, agglomerate, tuff
-  Silverton: Shale with interbedded quartzite, hornfels, limestone
-  Timeballhill: Klapperkop quartzite, ferruginous
-  Alluvium

Draft for discussion
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Research for IVS

SCALE 1: 25 000

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



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Project no:
10193

Date:
November 2002

FIGURE VI-18

Local Geology Description
of the Rietkuilspruit Area