



**ESTUDIO COSECHA DE AGUAS LLUVIAS EN  
AREAS DE SECANO  
REGIÓN DE COQUIMBO  
Anexos Hidrológicos y Geofísicos**

## **ANEXO I**

# **ANTECEDENTES DE ESTADÍSTICAS PLUVIOMÉTRICAS DISPONIBLES**

**Tabla I.1**  
**Precipitaciones Mensuales Est. Cogotí Embalse [mm]**

TEMPORADA	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ENE	FEB	MAR
1979 - 1980	2.00	0.80	0.00	13.00	1.00	10.50	4.00	0.00	0.00	0.00	3.00	0.00
1980 - 1981	111.20	0.00	20.20	99.50	15.00	36.90	0.00	0.00	0.00	0.00	0.00	0.00
1981 - 1982	0.00	56.20	20.00	14.20	12.10	12.10	0.00	0.00	0.00	0.00	0.00	4.70
1982 - 1983	0.00	30.30	39.50	68.00	44.00	3.50	0.80	0.00	0.00	0.00	0.00	0.00
1983 - 1984	0.00	21.20	29.90	158.00	47.50	0.90	0.00	0.00	0.00	0.00	0.00	0.00
1984 - 1985	0.00	7.50	3.00	346.50	3.00	1.50	0.00	0.90	0.00	0.00	0.00	8.40
1985 - 1986	0.00	2.50	1.00	42.50	6.50	0.00	0.80	0.00	0.00	0.00	0.00	0.00
1986 - 1987	0.00	55.50	5.50	1.40	18.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1987 - 1988	2.30	22.30	29.80	325.80	96.30	3.70	2.80	0.00	0.00	0.00	0.00	0.00
1988 - 1989	0.00	0.80	14.00	0.30	9.50	4.30	0.00	0.00	0.00	0.00	0.00	0.00
1989 - 1990	1.70	16.90	0.00	43.50	54.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990 - 1991	0.00	0.00	13.00	21.60	6.80	6.10	2.00	0.00	0.00	0.00	0.00	0.00
1991 - 1992	0.00	25.80	177.10	31.50	0.00	13.50	0.00	0.00	0.70	0.00	0.00	26.50
1992 - 1993	9.80	32.00	186.20	0.00	101.50	1.20	0.00	1.80	0.00	0.00	0.00	0.00
1993 - 1994	37.00	78.00	0.00	26.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994 - 1995	0.00	7.50	27.50	10.80	0.00	0.00	0.00	0.00	0.00	8.50	0.00	0.00
1995 - 1996	9.00	0.00	8.00	27.20	8.80	2.70	0.00	0.00	0.00	0.00	0.00	0.00
1996 - 1997	6.70	0.00	2.50	37.00	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997 - 1998	0.00	3.80	255.60	17.00	211.20	4.40	45.40	0.00	0.00	0.00	0.00	0.00
1998 - 1999	4.80	4.80	7.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
1999 - 2000	0.50	12.00	12.50	0.00	38.20	46.80	14.50	0.00	0.00	0.00	0.00	0.00
2000 - 2001	0.40	14.80	138.40	15.40	0.00	87.90	0.00	0.00	0.00	0.00	0.00	2.60
2001 - 2002	0.90	28.80	0.00	135.50	38.50	17.20	4.00	0.00	0.00	0.00	0.00	0.00
2002 - 2003	7.60	101.20	103.50	101.10	53.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003 - 2004	0.00	64.30	26.20	13.10	6.40	0.00	0.00	0.00	0.00	0.00	0.00	9.00
2004 - 2005	23.30	0.00	19.40	70.80	68.90	0.00	0.00	2.00	0.00	0.00	0.00	0.50
2005 - 2006	0.00	35.90	3.20	2.90	29.70	17.80	5.50	0.00	0.00	0.00	0.00	0.00
2006 - 2007	0.20	0.30	45.50	64.90	0.00	0.00	8.60	0.00	0.00	0.00	0.00	0.20
2007 - 2008	0.00	0.50	32.70	2.50	21.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008 - 2009	0.00	14.00	45.00	39.50	59.70	3.00	0.00	0.00	0.00	0.00	0.00	0.00
2009 - 2010	0.00	0.70	59.00	3.00	53.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010 - 2011	0.00	43.80	67.70	19.20	7.50	14.30	0.00	7.00	0.00	0.00	0.00	0.00
2011 - 2012	0.00	0.00	188.80	42.80	11.60	0.00	0.90	0.00	0.00	0.00	0.00	0.00
2012 - 2013	3.60	6.30	12.07	0.00	26.80	0.00	0.90	0.00	0.00	0.00	0.00	0.00
2013 - 2014	0.00	82.10	15.30	5.10	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fuente: Estadísticas DGA

Nota: La casilla destacada en fondo amarillo fue determinada mediante correlación con estación pluviométrica Peñablanca.

**Tabla I.2**  
**Precipitaciones Mensuales Est. Combarbalá [mm]**

TEMPORADA	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ENE	FEB	MAR
1979 - 1980	0.00	0.00	0.00	1.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1980 - 1981	43.35	0.00	0.00	8.29	0.13	4.18	0.00	0.00	0.00	0.00	0.00	0.00
1981 - 1982	0.00	15.16	0.00	0.02	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00
1982 - 1983	0.00	4.90	4.05	33.80	30.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1983 - 1984	0.00	0.54	0.00	44.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1984 - 1985	0.00	0.00	0.00	73.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985 - 1986	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986 - 1987	0.00	8.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1987 - 1988	0.00	0.70	0.63	152.97	30.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988 - 1989	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1989 - 1990	0.00	0.06	0.00	7.54	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990 - 1991	0.00	0.00	0.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1991 - 1992	0.00	5.23	60.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1992 - 1993	0.00	1.32	13.13	0.00	43.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993 - 1994	6.10	0.00	0.00	0.90	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1994 - 1995	0.00	0.00	1.15	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995 - 1996	0.00	0.00	0.00	1.52	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996 - 1997	0.00	0.00	0.00	6.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1997 - 1998	0.00	0.00	69.39	0.00	108.33	0.00	2.17	0.00	0.00	0.00	0.00	0.00
1998 - 1999	0.00	0.01	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999 - 2000	0.00	1.74	0.37	0.00	5.32	3.73	0.46	0.00	0.00	0.00	0.00	0.00
2000 - 2001	0.00	0.00	41.78	0.00	0.00	10.99	0.00	0.00	0.00	0.00	0.00	0.00
2001 - 2002	0.00	0.00	0.00	34.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002 - 2003	0.00	16.97	54.27	18.82	5.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003 - 2004	0.00	5.96	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004 - 2005	0.00	0.00	0.00	2.91	15.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005 - 2006	0.00	3.37	0.00	0.00	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006 - 2007	0.00	0.00	8.25	0.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007 - 2008	0.00	0.00	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008 - 2009	0.00	0.34	7.62	0.65	11.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009 - 2010	0.00	0.00	4.31	0.00	2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010 - 2011	0.00	6.62	8.60	1.17	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00
2011 - 2012	0.00	0.00	31.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012 - 2013	0.00	0.00	0.05	0.00	1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013 - 2014	0.00	3.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Fuente: Estadísticas DGA

Nota: Las casillas destacadas en fondo verde fueron determinadas mediante correlación con la estación pluviométrica Cogotí Embalse.

**Tabla I.3**  
**Precipitaciones Mensuales Est. Peñablanca [mm]**

TEMPORADA	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ENE	FEB	MAR
1979 - 1980	1.88	0.75	0.00	12.23	0.94	9.88	3.76	0.00	0.00	0.00	2.82	0.00
1980 - 1981	104.64	0.00	19.01	93.63	14.11	34.72	0.00	0.00	0.00	0.00	0.00	0.00
1981 - 1982	0.00	52.88	18.82	13.36	11.39	11.39	0.00	0.00	0.00	0.00	0.00	4.42
1982 - 1983	0.00	28.51	37.17	63.99	41.40	3.29	0.75	0.00	0.00	0.00	0.00	0.00
1983 - 1984	0.00	19.95	28.14	148.68	44.70	0.85	0.00	0.00	0.00	0.00	0.00	0.00
1984 - 1985	0.00	7.06	2.82	326.05	2.82	1.41	0.00	0.85	0.00	0.00	0.00	7.90
1985 - 1986	0.00	2.35	0.94	40.00	6.12	0.00	0.75	0.00	0.00	0.00	0.00	0.00
1986 - 1987	0.00	52.23	5.18	1.32	16.94	1.88	0.00	0.00	0.00	0.00	0.00	0.00
1987 - 1988	2.16	20.98	28.04	306.58	90.62	3.48	2.63	0.00	0.00	0.00	0.00	0.00
1988 - 1989	0.00	0.75	13.17	0.28	8.94	4.05	0.00	0.00	0.00	0.00	0.00	0.00
1989 - 1990	1.97	15.46	0.00	40.49	51.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1990 - 1991	0.00	0.00	13.92	36.60	4.00	10.40	2.00	0.00	0.00	0.00	0.00	0.00
1991 - 1992	0.00	60.10	129.40	18.60	8.50	19.50	0.00	0.00	0.00	0.00	0.00	35.00
1992 - 1993	7.50	18.50	130.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1993 - 1994	15.00	13.66	11.50	21.00	31.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1994 - 1995	0.00	3.00	50.00	11.04	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1995 - 1996	4.00	0.00	7.00	51.00	7.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00
1996 - 1997	6.00	0.00	5.40	73.00	10.50	0.00	8.60	0.00	0.00	0.00	0.00	0.00
1997 - 1998	0.00	21.00	276.50	28.00	205.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
1998 - 1999	2.00	1.00	10.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.70
1999 - 2000	7.00	11.64	20.00	16.00	28.00	38.80	11.00	0.00	0.00	0.00	0.00	0.00
2000 - 2001	3.00	16.00	138.00	6.00	0.00	102.00	1.00	0.00	0.00	0.00	0.00	0.00
2001 - 2002	3.00	58.00	0.00	163.00	40.00	21.00	3.00	0.00	0.00	0.00	0.00	0.00
2002 - 2003	1.00	76.00	95.00	113.00	47.20	3.00	0.00	0.00	0.00	0.00	0.00	0.00
2003 - 2004	0.00	73.00	7.00	16.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00
2004 - 2005	20.00	3.00	13.00	71.20	57.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005 - 2006	0.00	36.00	0.00	4.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2006 - 2007	0.00	0.00	41.50	62.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2007 - 2008	0.00	0.00	14.50	0.00	16.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008 - 2009	0.00	11.00	7.50	27.00	46.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00
2009 - 2010	0.00	0.00	59.30	0.00	73.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010 - 2011	0.00	35.40	34.00	13.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011 - 2012	0.00	0.00	224.50	50.50	3.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
2012 - 2013	0.00	3.00	12.00	0.00	64.50	0.00	8.00	0.00	0.00	0.00	0.00	0.00
2013 - 2014	0.00	68.00	10.00	3.50	4.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00

Fuente: Estadísticas DGA

Nota: Las casillas destacadas en fondo verde fueron determinadas mediante correlación con la estación pluviométrica Cogotí Embalse.

**Tabla I.4**  
**Precipitaciones Máximas Anuales en 24hr [mm]**

ESTACIÓN	COGOTÍ EMBALSE		PEÑABLANCA		COMBARBALÁ	
	Pp max 24 [mm]	FECHA	Pp max 24 [mm]	FECHA	Pp max 24 [mm]	FECHA
1979	10.50	31/07	11.35	31/07	20.00	31/07
1980	100.00	10/04	108.10	10/04	102.00	10/04
1981	40.00	12/05	43.24	12/05	59.00	12/05
1982	37.50	16/07	40.54	16/07	74.50	16/07
1983	76.00	07/07	82.16	07/07	64.00	07/07
1984	85.00	01/07	91.89	01/07	85.50	01/07
1985	22.00	29/07	23.78	29/07	18.00	29/07
1986	32.50	28/05	35.13	28/05	62.00	28/05
1987	89.30	24/07	96.53	24/07	96.20	24/07
1988	12.00	16/06	12.97	16/06	19.00	16/06
1989	24.50	20/08	35.50	02/08	27.80	02/08
1990	13.00	07/07	16.40	07/07	14.50	07/07
1991	52.10	17/06	55.50	26/05	68.10	19/06
1992	66.00	05/06	49.00	05/06	73.00	30/08
1993	70.00	06/05	31.00	29/08	27.00	19/04
1994	27.50	29/06	47.00	29/06	30.00	20/07
1995	16.00	04/07	25.00	05/07	12.00	13/08
1996	20.00	06/07	50.00	06/07	46.50	06/07
1997	111.70	16/08	157.00	16/08	135.00	16/08
1998	7.00	15/06	8.50	09/06	9.50	15/06
1999	23.90	07/09	22.00	21/08	24.30	30/08
2000	57.20	23/06	57.00	10/09	72.00	23/06
2001	51.40	19/07	54.00	18/07	59.00	18/07
2002	91.00	04/06	78.00	04/06	105.60	04/06
2003	49.80	20/05	55.00	21/05	40.90	20/05
2004	52.00	02/08	41.00	02/08	52.50	02/08
2005	21.60	03/05	24.00	03/05	29.00	03/05
2006	45.50	08/06	33.00	07/06	49.50	08/06
2007	18.20	14/06	16.10	08/08	29.00	14/06
2008	42.50	18/06	45.50	16/08	49.50	15/08
2009	29.30	15/08	51.00	15/08	34.80	15/08
2010	37.00	18/06	25.00	15/05	31.00	18/06
2011	82.50	18/06	87.50	19/06	73.50	18/06
2012	11.30	16/08	28.50	15/08	18.00	22/08
2013	37.50	17/05	35.00	17/05	37.50	17/05
2014	38.30	11/06	42.00	11/06	41.50	11/06

Fuente: Estadísticas DGA

Nota: Los valores destacados en rojo fueron determinadas mediante correlación con la estación pluviométrica Cogotí Embalse.

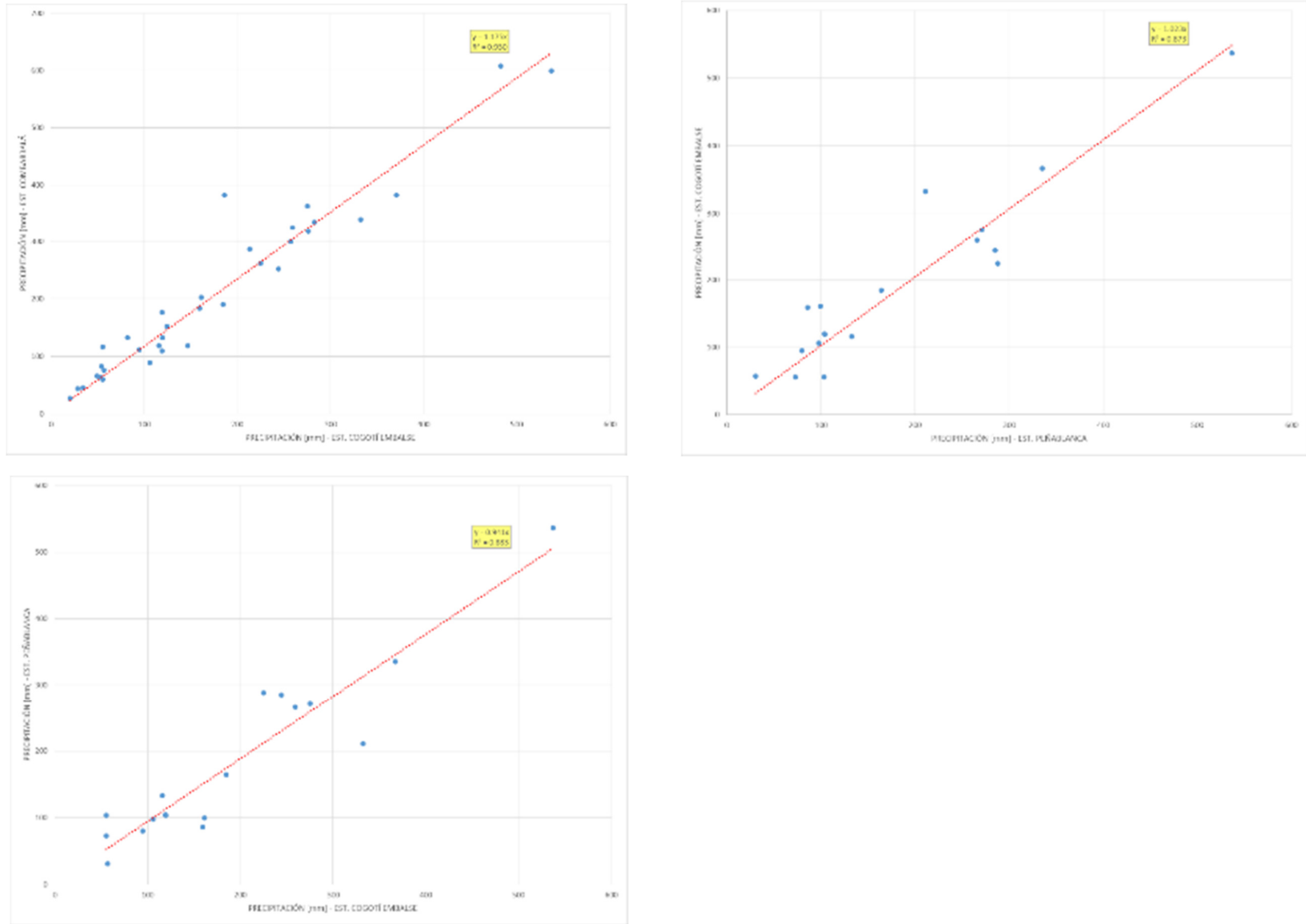
**ANEXO II**

**ANÁLISIS, RELLENO Y EXTENSIÓN DE  
ESTADÍSTICAS PLUVIOMÉTRICAS**

**ANEXO II.1**  
**CORRELACIONES DE PRECIPITACIONES**  
**ENTRE ESTACIONES PLUVIOMÉTRICAS**

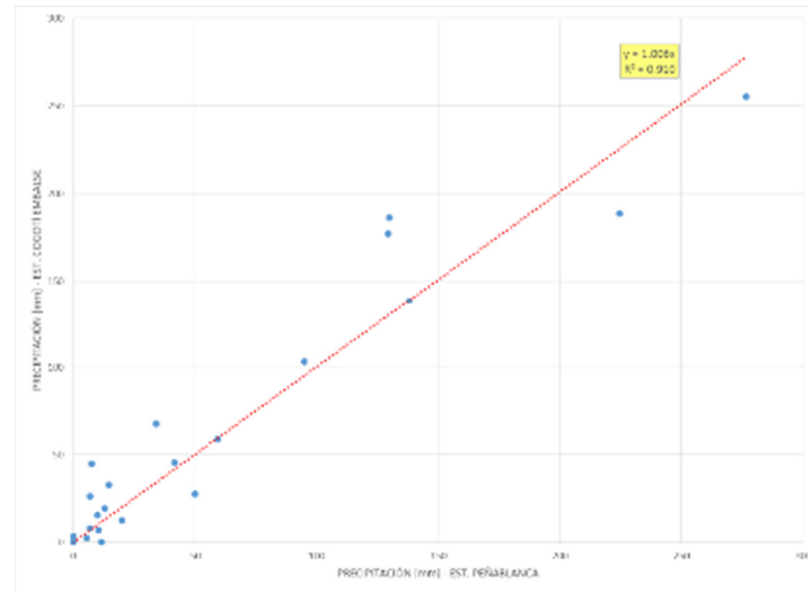


Figura II.1.1 – Correlaciones de Precipitaciones Anuales



Fuente: Elaboración Propia Jorge Romero Navea

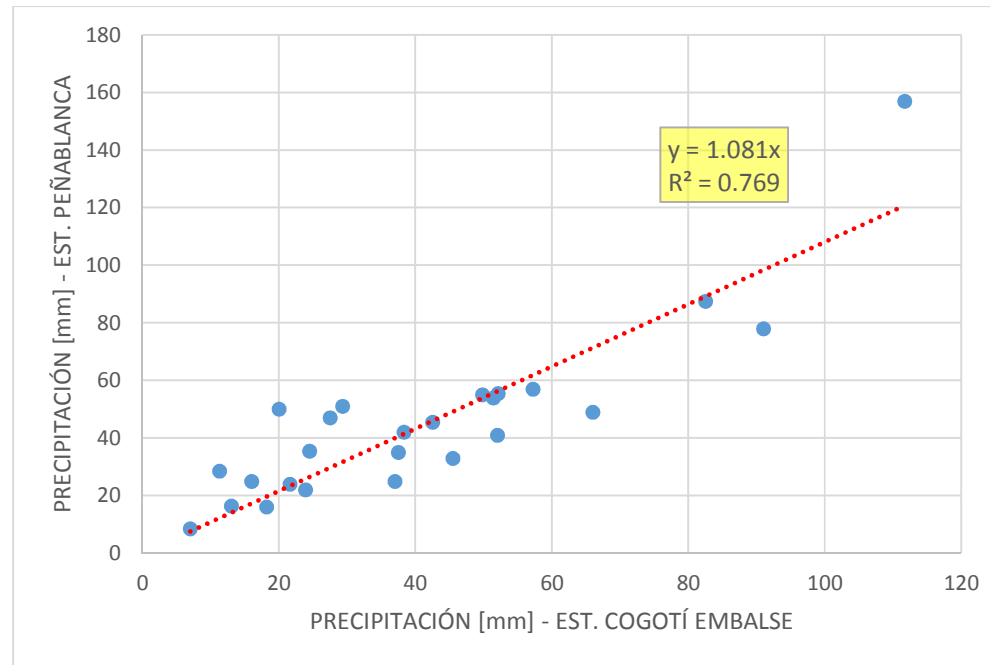
**Figura II.1.2 – Correlación de Precipitación Mensual, Estación Cogotí Embalse**



Fuente: Elaboración Propia Jorge Romero Navea

**ANEXO II.2**  
**CORRELACIONES DE PRECIPITACIONES**  
**MÁXIMAS ANUALES EN 24 HR**

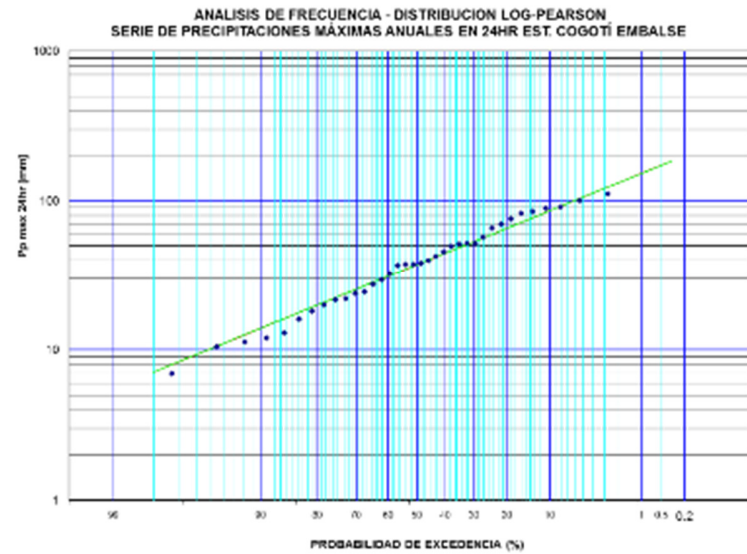
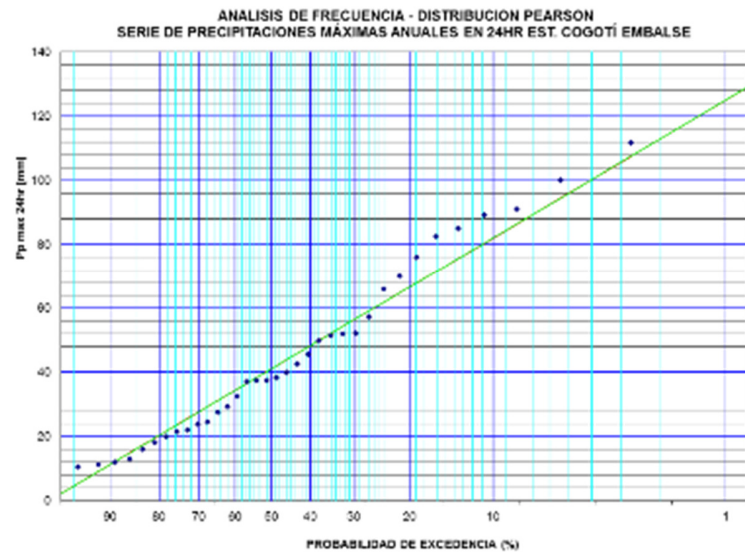
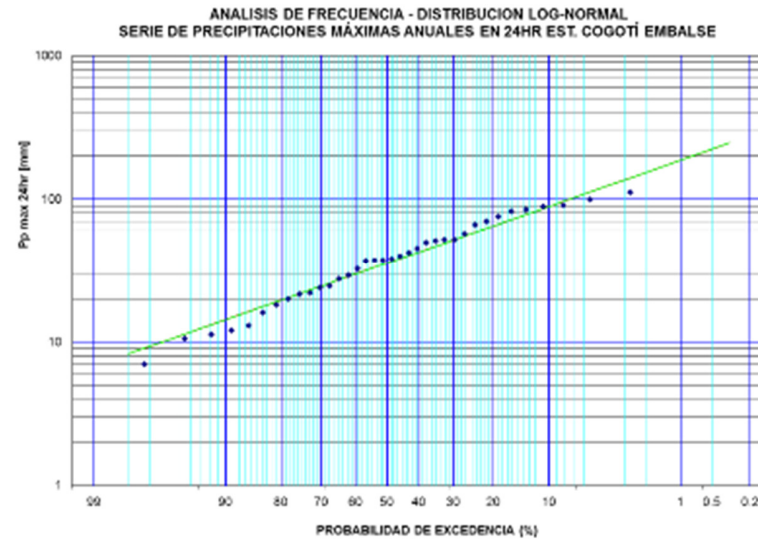
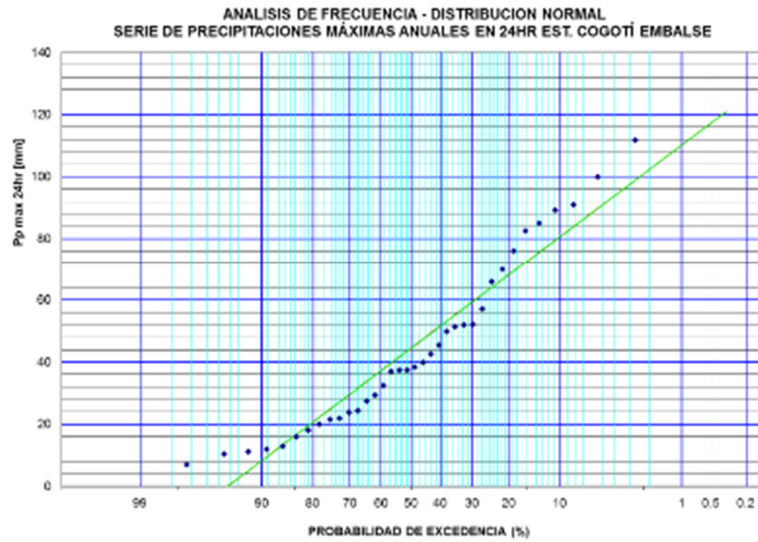
Figura II.2.1 – Correlación de Precipitaciones Máximas Anuales, Estación Pluviométrica Peñablanca



Fuente: Elaboración Propia Jorge Romero Navea

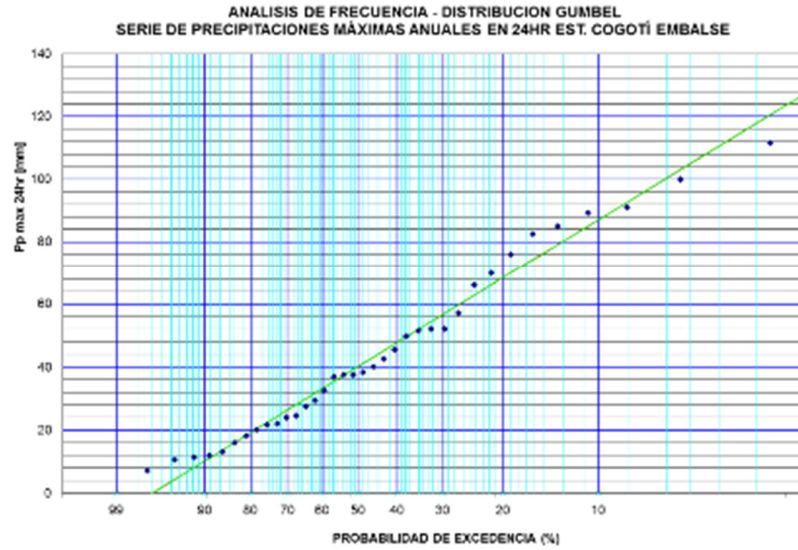
**ANEXO II.3**  
**ANÁLISIS DE FRECUENCIAS**  
**PRECIPITACIONES MÁXIMAS ANUALES**  
**EN 24 HR**

Figura II.3.1 – Análisis de Frecuencias Precipitaciones Máximas Anuales en 24 horas, Estación Cogotí Embalse



Fuente: Elaboración Propia Jorge Romero Navea

**Figura II.3.2 – Análisis de Frecuencias Precipitaciones Máximas Anuales en 24 horas, Estación Cogotí Embalse**



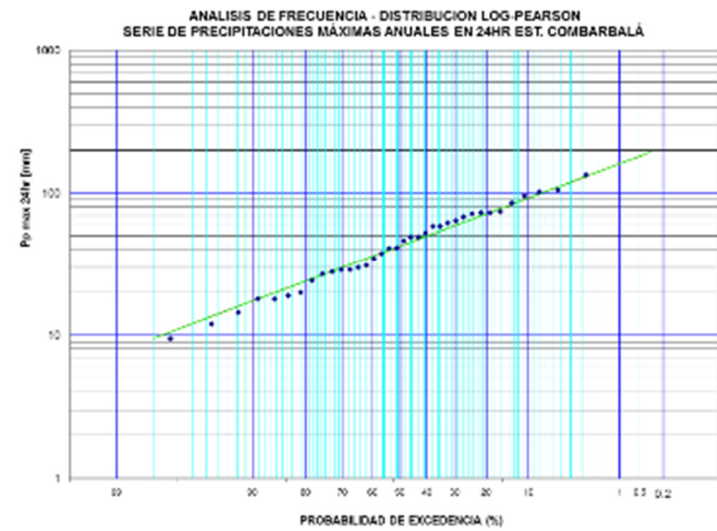
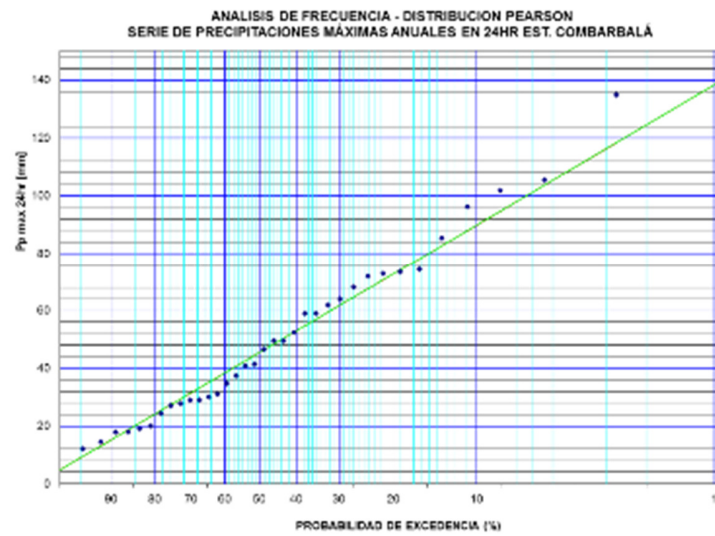
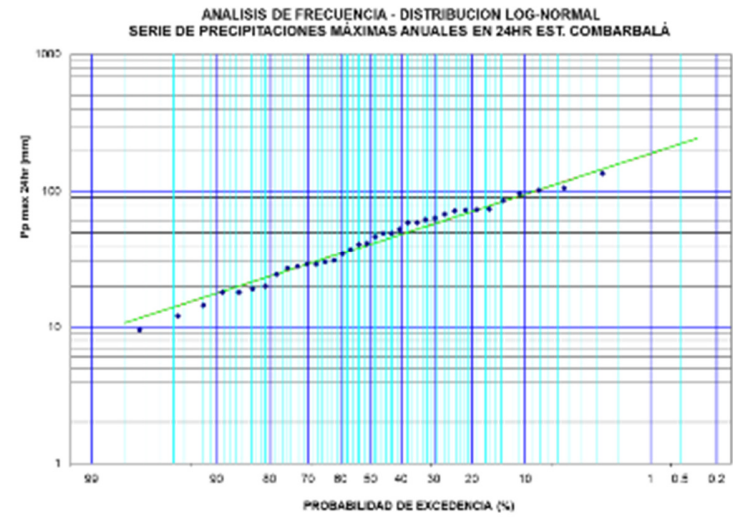
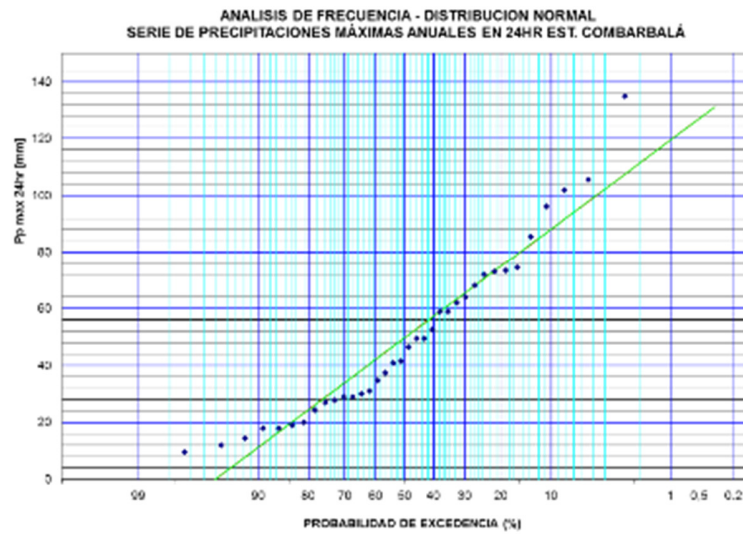
Fuente: Elaboración Propia Jorge Romero Navea

**Tabla II.3.1 – Resultados Test  $\chi^2$  – Estación Cogotí Embalse**

Distribución	$\chi^2$ Calculado	Nº Param.	$\nu$	$\chi^2$ Límite	$\chi^2$ Cal / $\chi^2$ Límite	Test
Normal	2.86	2	2	5.99	Aceptado	2.86
Log-Normal	2.15	2	2	5.99	Aceptado	2.15
Pearson	1.58	3	1	3.84	Aceptado	1.58
Log-Pearson	1.44	3	1	3.84	Aceptado	1.44
Gumbel	0.99	2	2	5.99	Aceptado	0.99

Fuente: Elaboración Propia Jorge Romero Navea

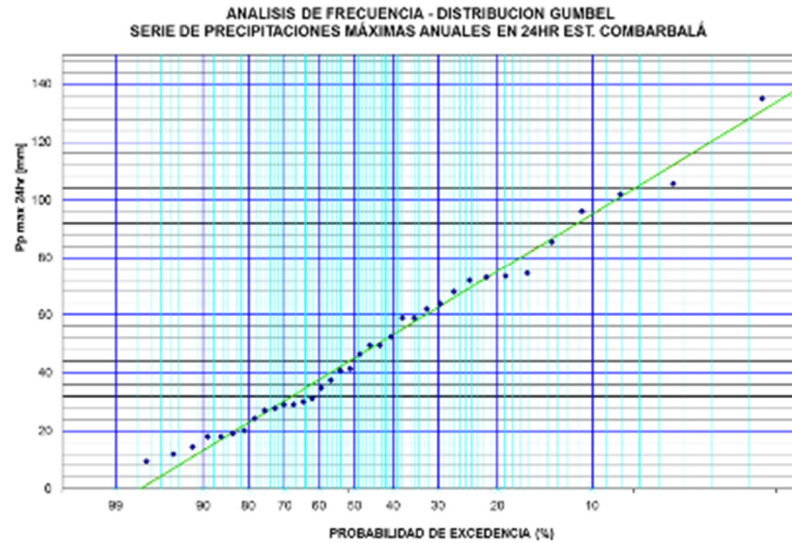
Figura II.3.3 – Análisis de Frecuencias Precipitaciones Máximas Anuales en 24 horas, Estación Combarbalá



Fuente: Elaboración Propia Jorge Romero Navea



**Figura II.3.4 – Análisis de Frecuencias Precipitaciones Máximas anuales en 24 horas, Estación Combarbalá**



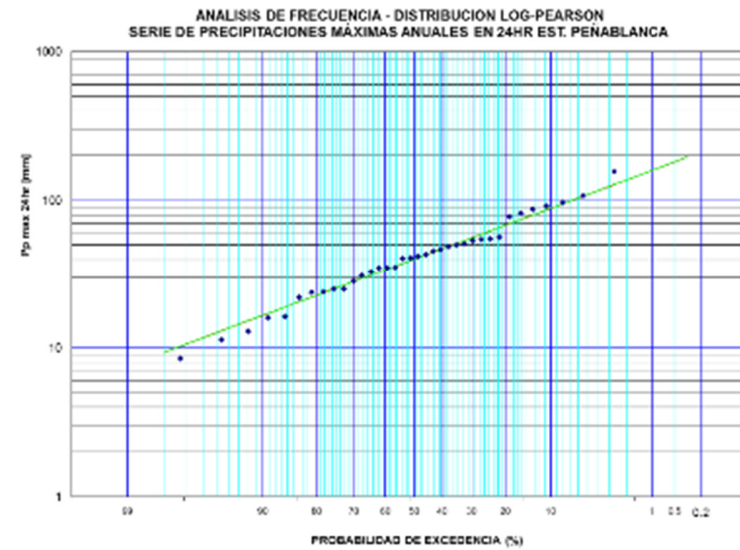
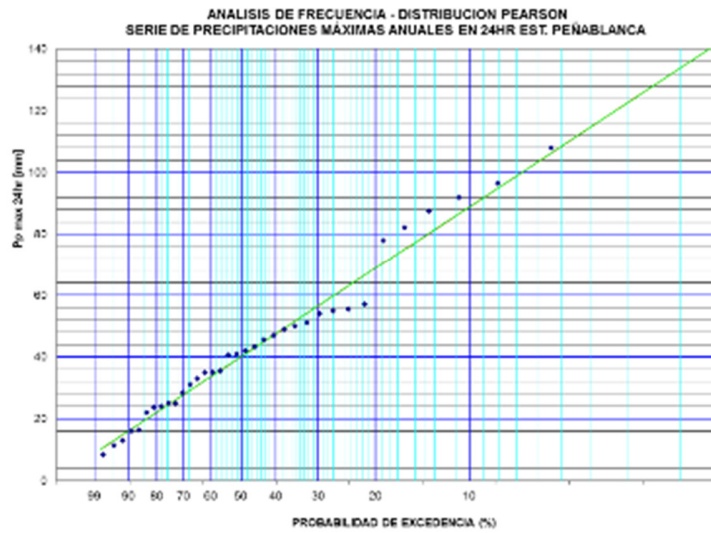
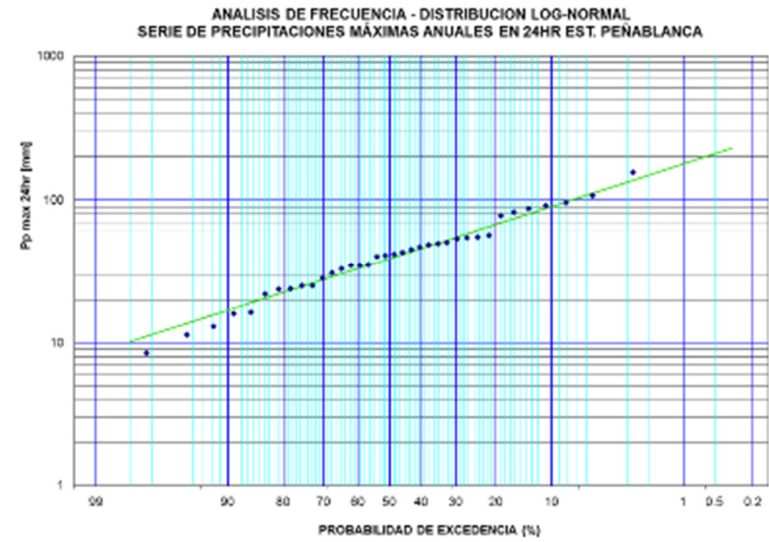
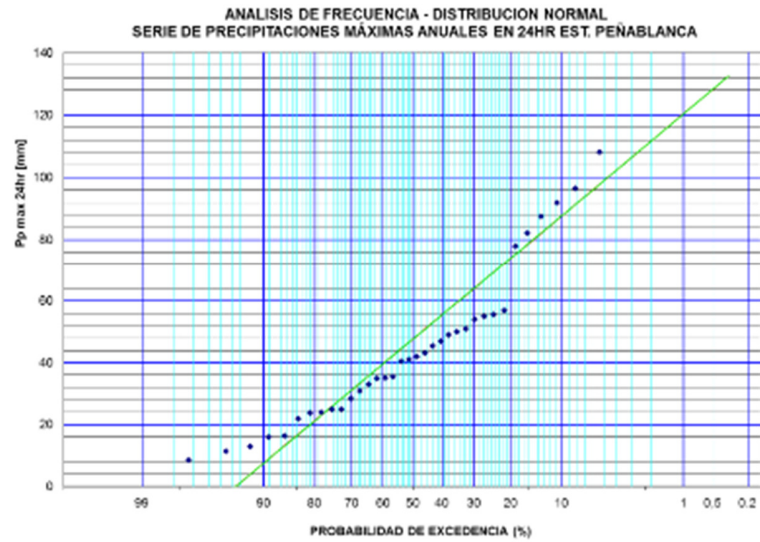
Fuente: Elaboración Propia Jorge Romero Navea

**Tabla II.3.2 – Resultados Test  $\chi^2$  – Estación Combarbalá**

Distribución	$\chi^2$ Calculado	Nº Param.	$\nu$	$\chi^2$ Límite	$\chi^2$ Cal / $\chi^2$ Límite	Test
Normal	1.54	2	2	5.99	Aceptado	1.54
Log-Normal	2.49	2	2	5.99	Aceptado	2.49
Pearson	0.99	3	1	3.84	Aceptado	0.99
Log-Pearson	1.60	3	1	3.84	Aceptado	1.60
Gumbel	1.13	2	2	5.99	Aceptado	1.13

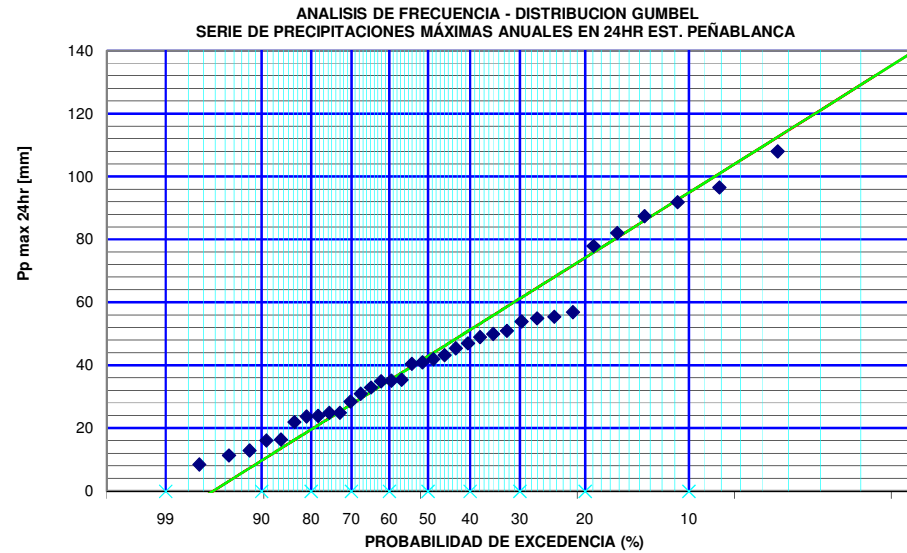
Fuente: Elaboración Propia Jorge Romero Navea

Figura II.3.5 – Análisis de Frecuencias Precipitaciones Máximas Anuales en 24 horas, Estación Peñablanca



Fuente: Elaboración Propia Jorge Romero Navea

**Figura II.3.6 – Análisis de Frecuencias Precipitaciones Máximas Anuales en 24 horas, Estación Peñablanca**



Fuente: Elaboración Propia Jorge Romero Navea

**Tabla II.3.3 – Resultados Test  $\chi^2$  – Estación Peñablanca**

Distribución	$\chi^2$ Calculado	Nº Param.	$\nu$	$\chi^2$ Límite	$\chi^2$ Cal / $\chi^2$ Límite	Test
Normal	4.77	2	2	5.99	Aceptado	4.77
Log-Normal	0.81	2	2	5.99	Aceptado	0.81
Pearson	0.63	3	1	3.84	Aceptado	0.63
Log-Pearson	0.47	3	1	3.84	Aceptado	0.47
Gumbel	0.90	2	2	5.99	Aceptado	0.90

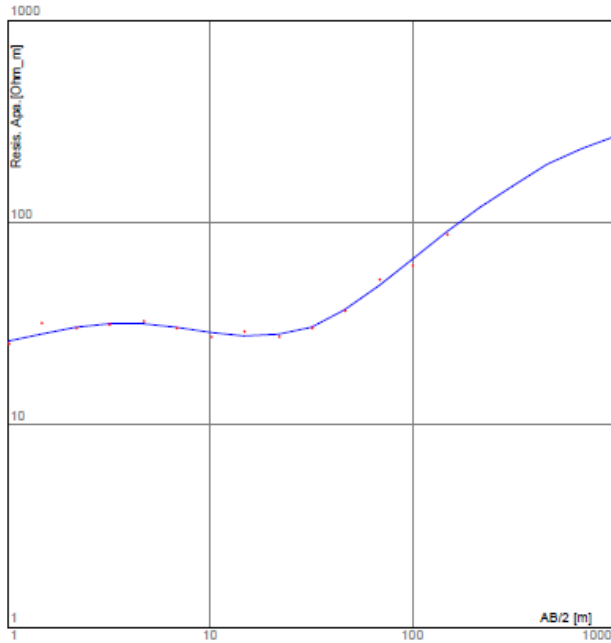
Fuente: Elaboración Propia Jorge Romero Navea

## **ANEXO III**

### **Curvas Sondajes Eléctricos Verticales**

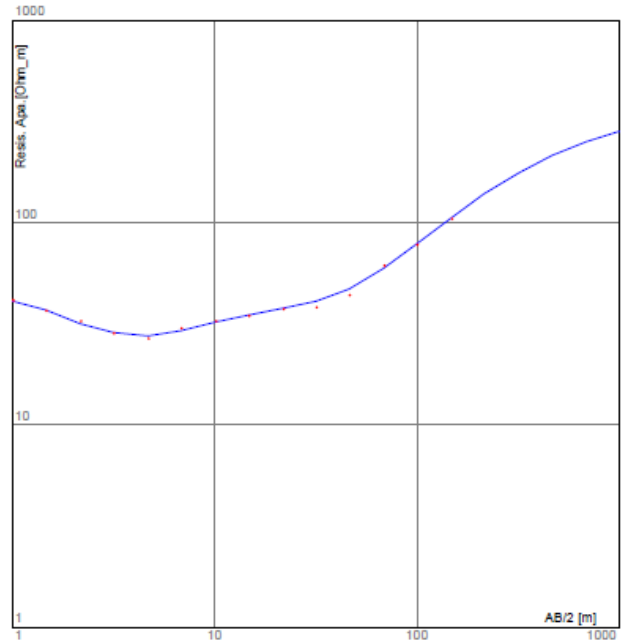
**ANEXO III-1**  
**S.E.V. SECTOR PEÑA BLANCA**

SECTOR PENABLANCA								S.E.V.	
Resist.	Espesor	Cota	Profund.						
23	0.6	+379.4	0.6	CotaSupe	+380.0	N	6579371	P1-1	
37	2.0	+377.4	2.6	CotaPliso	+347.4	E	257640		
25	30.0	+347.4	32.6	EspesTot	32.6				
350	Infinito								



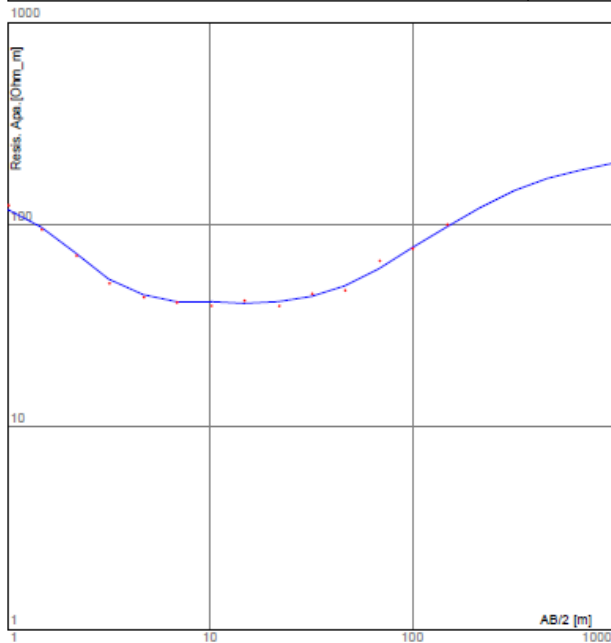
GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA								S.E.V.	
Resist.	Espesor	Cota	Profund.						
45	0.8	+387.2	0.8	CotaSupe	+388.0	N	6579365	P1-2	
23	2.5	+384.7	3.3	CotaPliso	+349.7	E	257641		
38	35.0	+349.7	38.3	EspesTot	38.3				
350	Infinito								



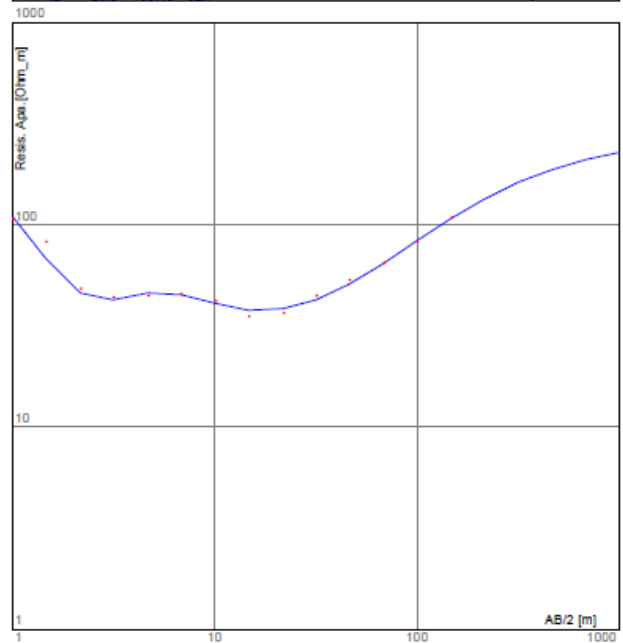
GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA								S.E.V.	
Resist.	Espesor	Cota	Profund.						
140	0.8	+384.2	0.8	CotaSupe	+385.0	N	6579409	P1-3	
40	38.0	+346.2	38.8	CotaPliso	+346.2	E	257639		
220	Infinito			EspesTot	38.8				



GEOEXPLORACIONES® S.A.

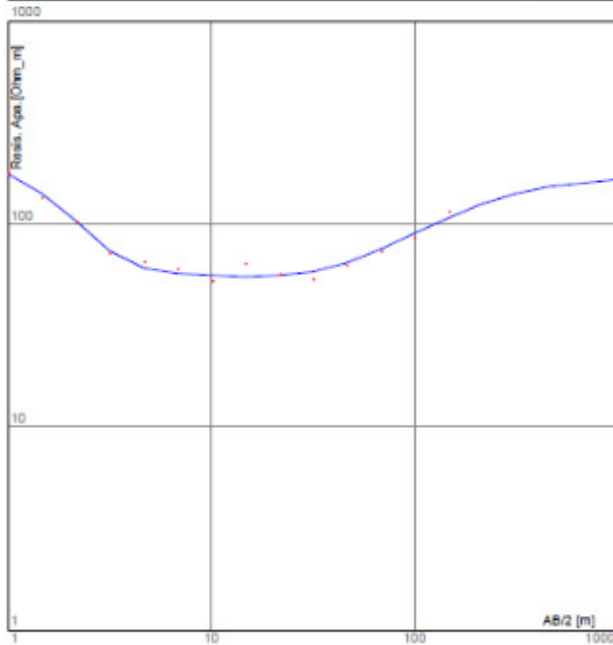
SECTOR PENABLANCA								S.E.V.	
Resist.	Espesor	Cota	Profund.						
200	0.5	+389.5	0.5	CotaSupe	+390.0	N	6579424	P1-4	
28	1.4	+386.1	1.9	CotaPliso	+357.3	E	257643		
170	1.0	+387.1	2.9	EspesTot	32.7				
11	1.8	+385.3	4.7						
42	28.0	+357.3	32.7						



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	ColaSupe		N	E
210	0.8	+344.2	0.8	+365.0	6579457		
54	36.0	+348.2	36.6	+348.2	257641		
170	Infinito			EspeTot	36.6		

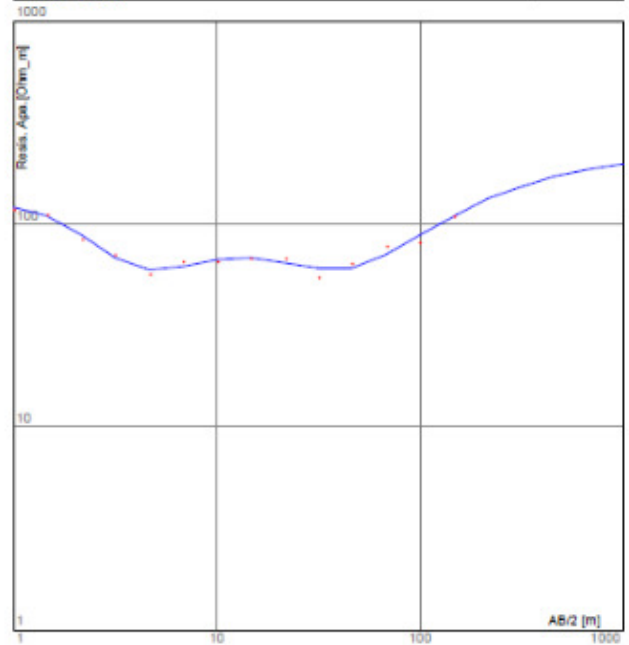
P1-5



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	ColaSupe		N	E
130	1.2	+337.8	1.2	+389.0	6579457		
23	1.0	+396.8	2.2	+350.8	257639		
95	6.0	+390.8	8.2	EspeTot	36.2		
45	30.0	+350.8	38.2				
210	Infinito						

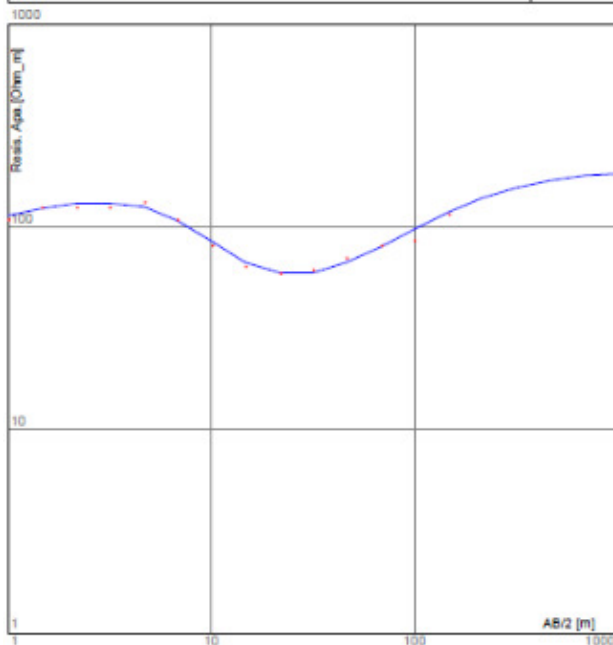
P1-6



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	ColaSupe		N	E
100	0.5	+396.5	0.5	+387.0	6579400		
150	3.0	+383.5	3.5	+352.5	257641		
52	31.0	+352.5	34.5	EspeTot	34.5		
190	Infinito						

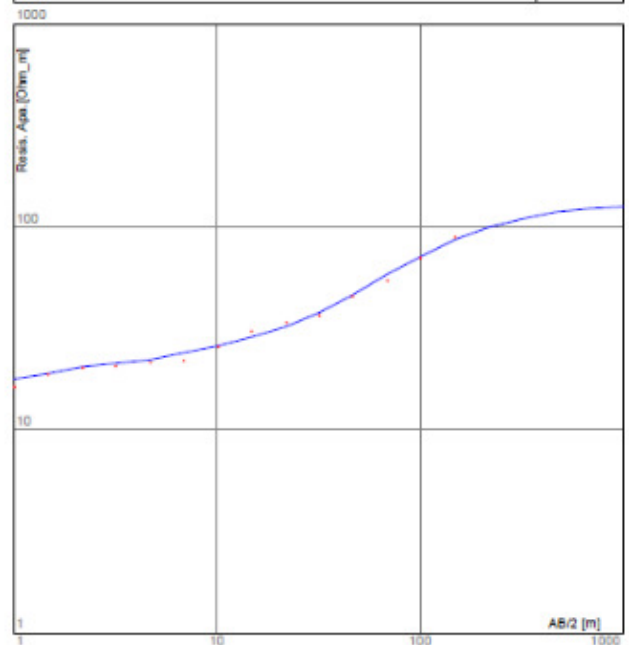
P1-7



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	ColaSupe		N	E
16	0.5	+394.5	0.5	+365.0	6579404		
22	4.0	+380.5	4.5	+362.5	257716		
32	15.0	+362.5	22.5	EspeTot	22.5		
130	Infinito						

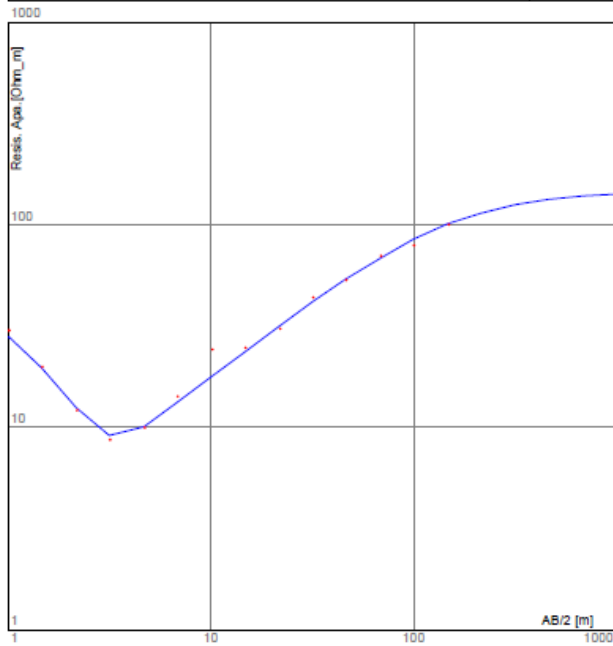
P2-1



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
36	0.7	+381.3	0.7	+382.0		6579428	
5	2.0	+379.3	2.7	+369.3		257709	
50	10.0	+369.3	12.7	EspesTot	12.7		
145	Infinito						

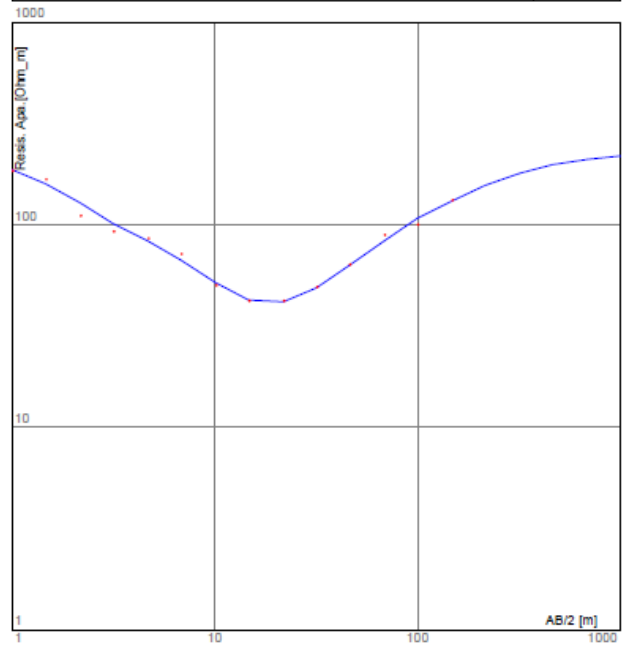
S.E.V.  
P2-2



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
210	0.5	+386.2	0.5	+387.0		6579443	
85	3.4	+382.8	4.2	+366.8		257700	
30	16.0	+366.8	20.2	EspesTot	20.2		
230	Infinito						

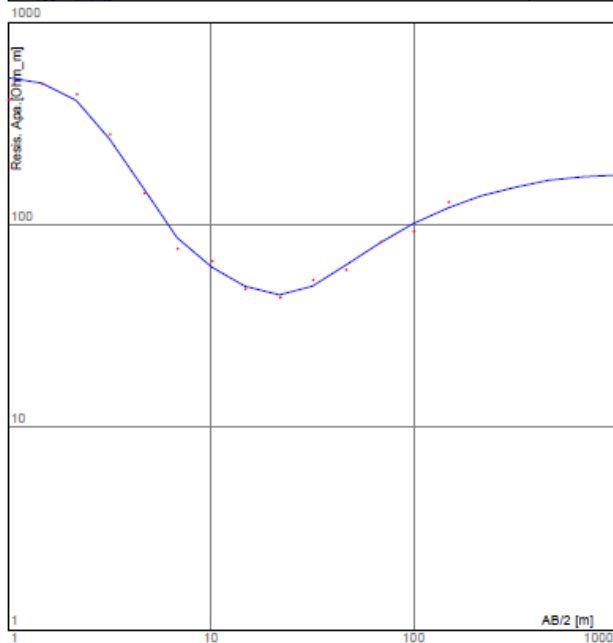
S.E.V.  
P2-3



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
500	0.5	+387.4	0.5	+388.0		6579463	
1150	0.4	+387.0	1.0	+357.5		257696	
80	4.5	+382.5	5.5	EspesTot	20.5		
31	15.0	+367.5	20.5				
180	Infinito						

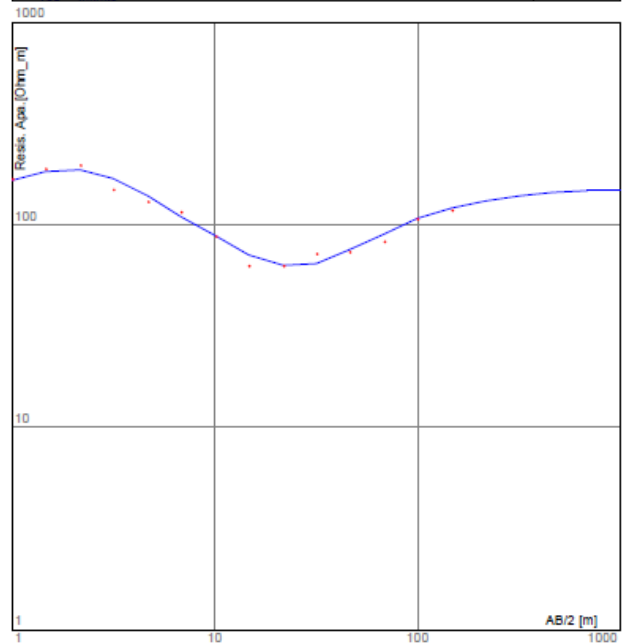
S.E.V.  
P2-4



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
125	0.5	+395.5	0.5	+396.0		6579477	
440	0.5	+395.0	1.0	+375.0		257695	
100	5.0	+390.0	6.0	EspesTot	21.0		
44	15.0	+375.0	21.0				
150	Infinito						

S.E.V.  
P2-5

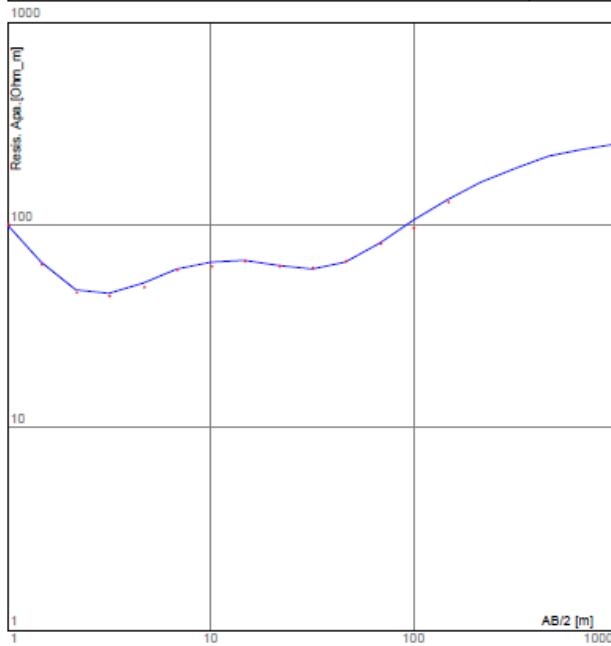


GEOEXPLORACIONES® S.A.



SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
170	0.5	+381.5	0.5	+382.0		6579505	
31	1.6	+380.0	2.0	+383.0		257681	
90	7.0	+373.0	9.0	EspeTot	29.0		
38	20.0	+353.0	29.0				
270	Infinito						

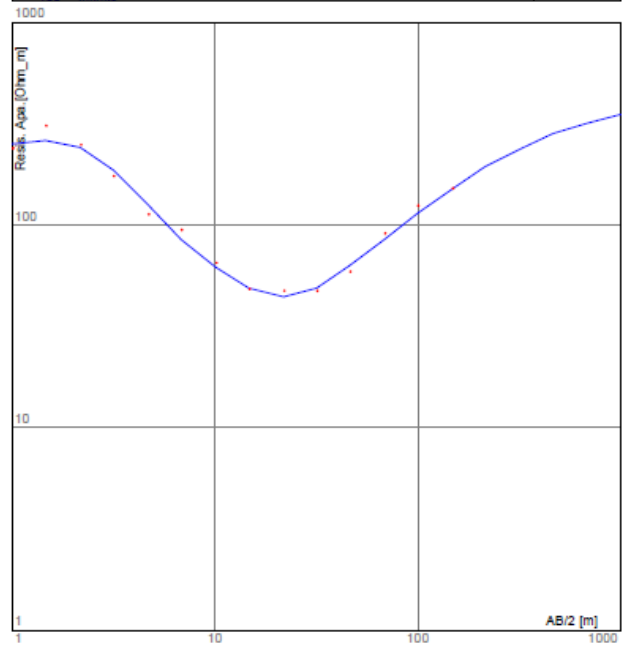
P2-6



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
200	0.5	+380.5	0.5	+381.0		6579528	
650	0.4	+380.0	0.9	+386.0		257676	
80	4.0	+376.0	4.9	EspeTot	24.9		
33	20.0	+356.0	24.9				
400	Infinito						

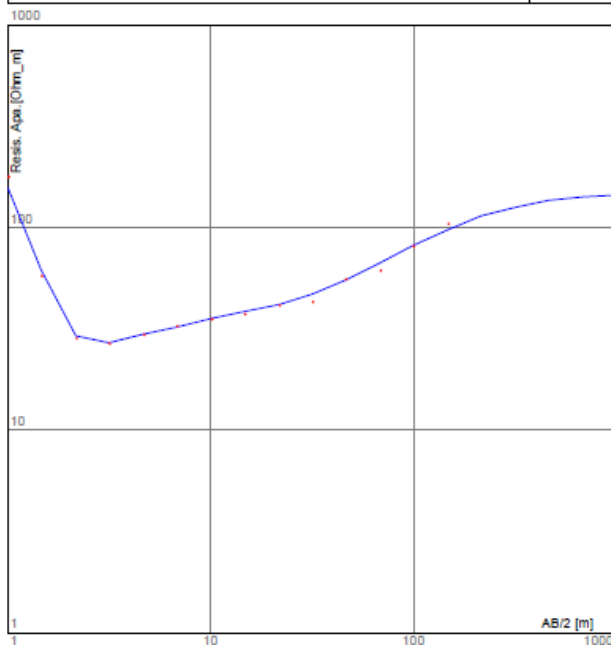
P2-7



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
560	0.3	+391.5	0.3	+392.0		6579380	
22	2.0	+389.5	2.3	+364.6		257750	
41	25.0	+364.6	27.3	EspeTot	27.3		
150	Infinito						

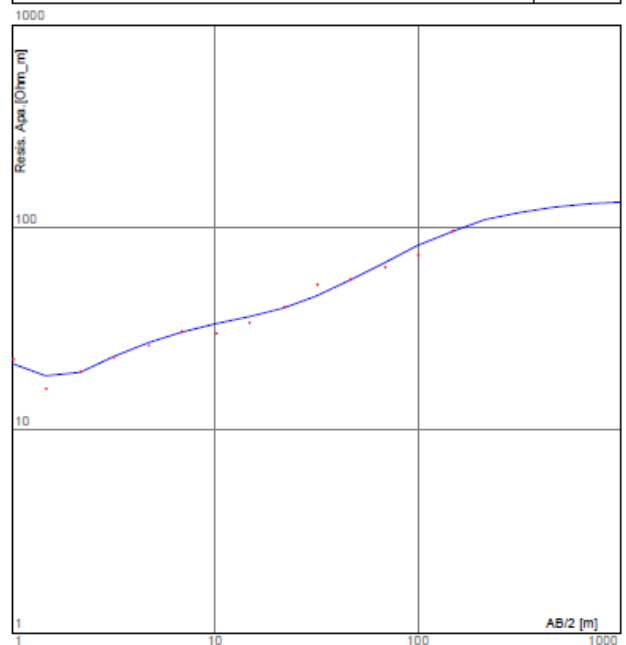
P3-1



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
30	0.5	+395.5	0.5	+396.0		6579398	
7	0.4	+395.1	0.9	+374.1		257759	
38	21.0	+374.1	21.9	EspeTot	21.9		
135	Infinito						

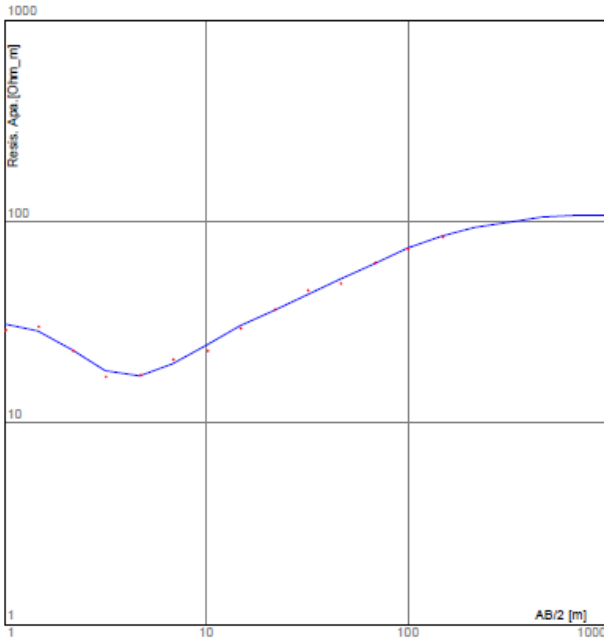
P3-2



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+390.0	N	6579416
30	0.5	+389.5	0.5	CotaPiso	+367.1	E	257766
50	0.4	+389.1	0.9	EspesTot	22.9		
9	2.0	+387.1	2.9				
48	20.0	+367.1	22.9				
110	Infinito						

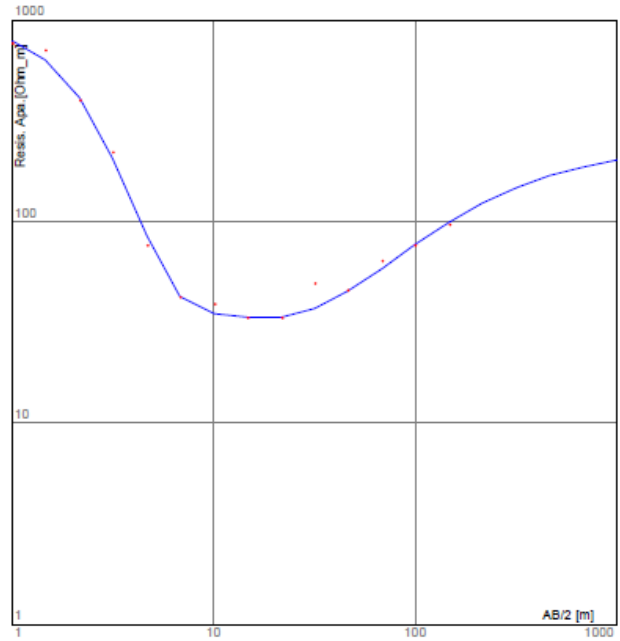
S.E.V.  
P3-3



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+377.0	N	6579439
900	1.0	+376.0	1.0	CotaPiso	+346.8	E	257769
100	1.2	+374.8	2.2	EspesTot	30.2		
30	28.0	+346.8	30.2				
220	Infinito						

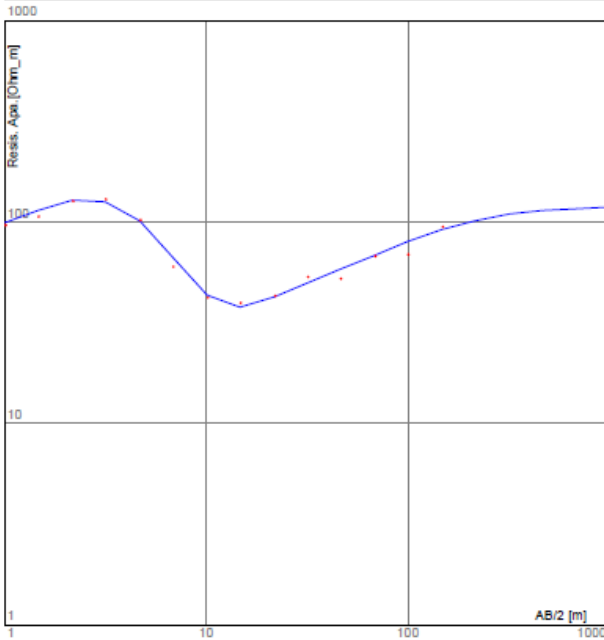
S.E.V.  
P3-4



GEOEXPLORACIONES® S.A.

SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+382.0	N	6579438
62	0.7	+381.3	0.7	CotaPiso	+355.8	E	257753
320	1.0	+380.3	1.7	EspesTot	26.2		
13	2.5	+377.8	4.2				
54	22.0	+355.8	26.2				
120	Infinito						

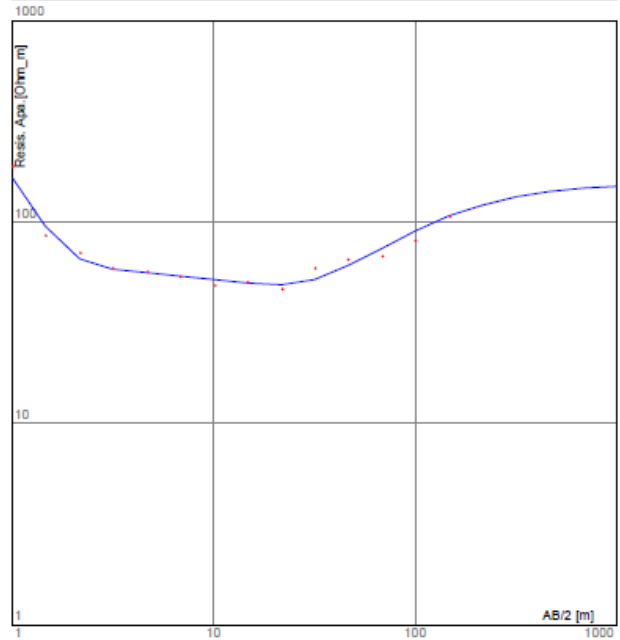
S.E.V.  
P3-5



GEOEXPLORACIONES® S.A.

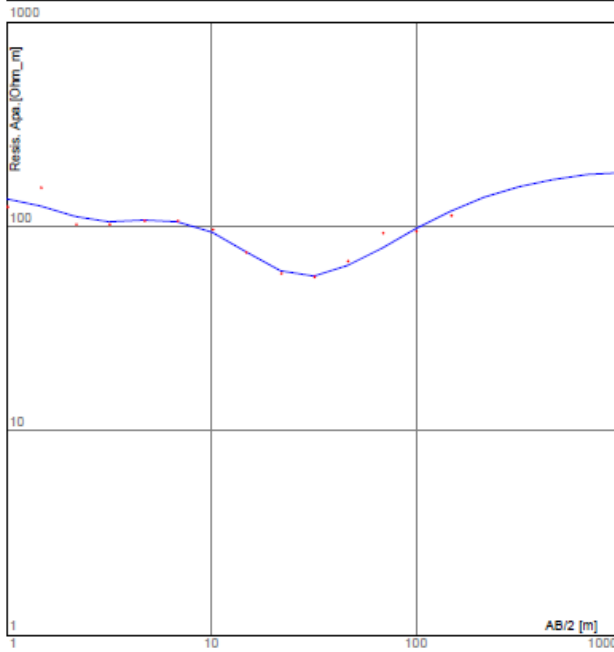
SECTOR PENABLANCA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+390.0	N	6579471
400	0.4	+389.6	0.4	CotaPiso	+363.1	E	257778
55	5.5	+384.1	5.9	EspesTot	26.9		
42	21.0	+363.1	26.9				
155	Infinito						

S.E.V.  
P3-6



GEOEXPLORACIONES® S.A.

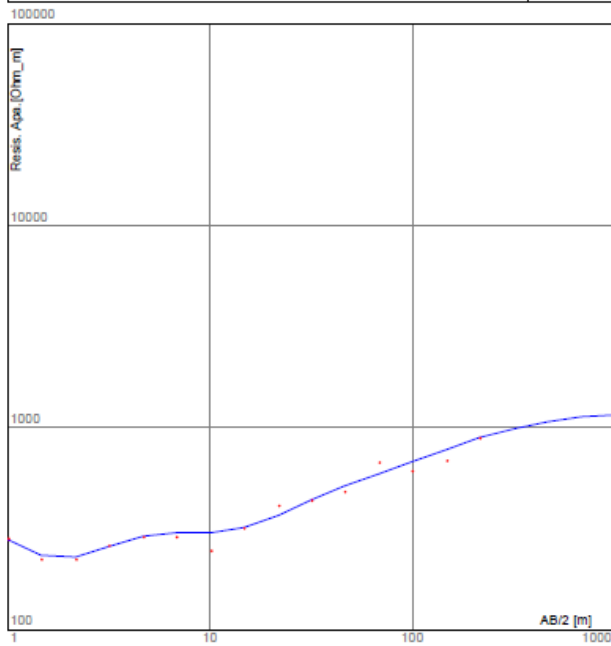
SECTOR PENABLANCA					S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+386.0	N 6579495
130	0.5	+385.5	0.5	CotaPiso	+385.9	E 257783
350	0.2	+385.3	0.7	EspeTot	29.1	
39	0.6	+384.7	1.3			
180	2.8	+381.9	4.1			
44	25.0	+356.9	29.1			



GEOEXPLORACIONES® S.A.

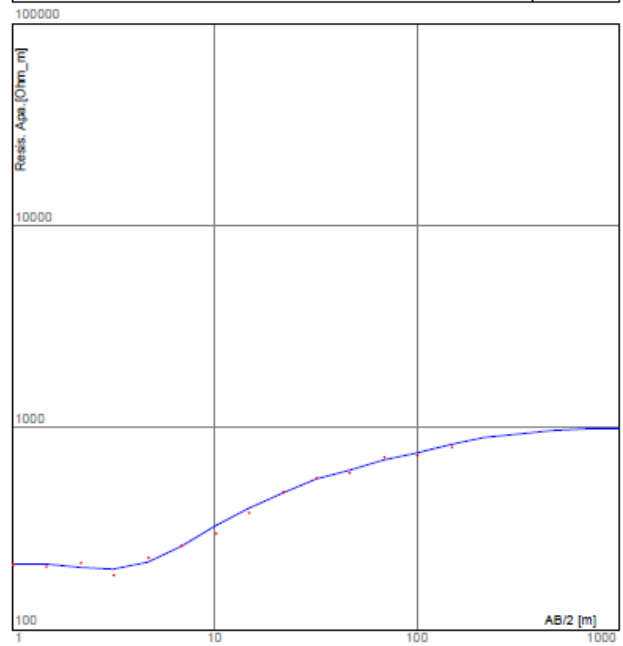
**ANEXO III-2**  
**S.E.V. SECTOR LOS RULOS**

SECTOR LOS RULOS					S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
400	0.5	+886.5	0.5	+987.0		6543117	
110	0.7	+885.3	1.2	+833.1		286332	
800	1.5	+884.3	2.7				
50	1.2	+883.1	3.9				
650	50.0	+833.1	53.9				
							P1-1



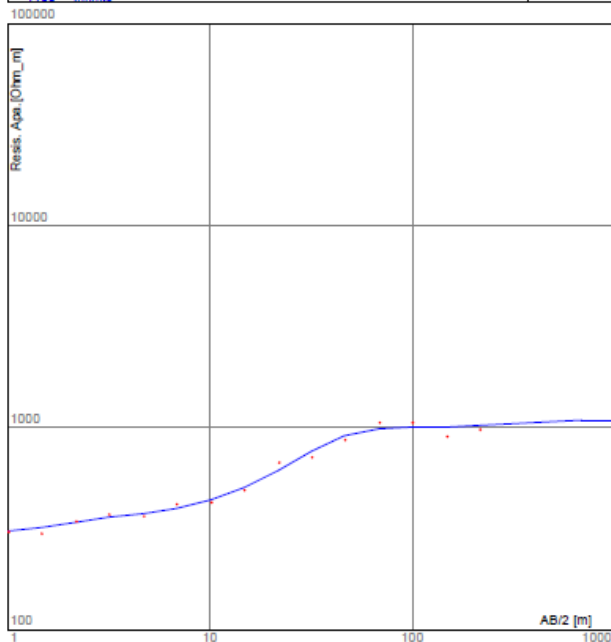
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
215	1.5	+892.4	1.5	+894.0		6543117	
100	1.2	+891.2	2.8	+851.2		286357	
700	40.0	+851.2	42.8				
1000	Infinito						
							P1-2



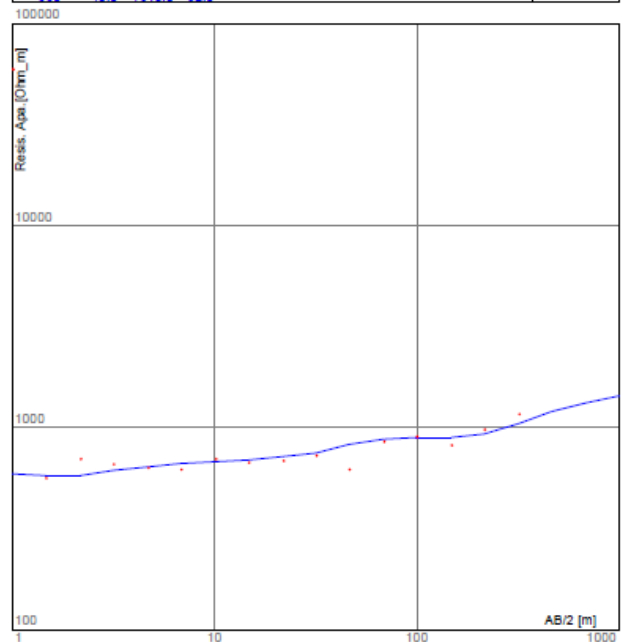
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
300	1.0	+894.0	1.0	+895.0		6543114	
400	10.0	+884.0	11.0	+849.0		286370	
3500	10.0	+874.0	21.0				
600	25.0	+849.0	46.0				
1100	Infinito						
							P1-3



GEOEXPLORACIONES® S.A.

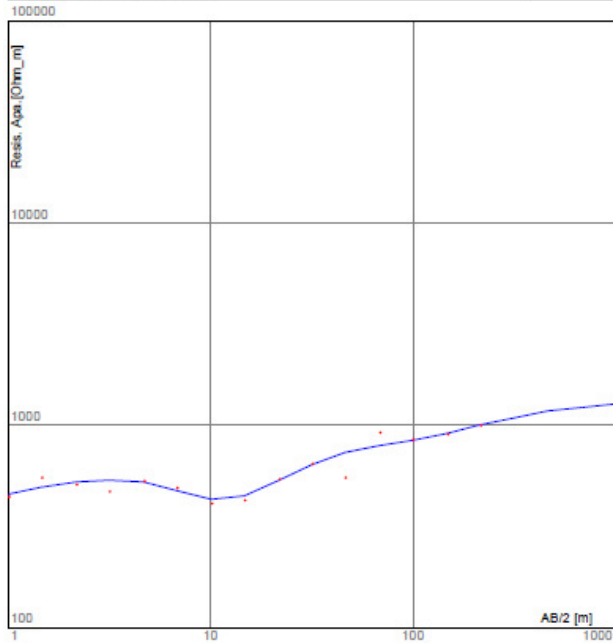
SECTOR LOS RULOS					S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
650	0.5	+891.5	0.5	+892.0		6543117	
450	0.5	+891.0	1.0	+810.0		286381	
690	26.0	+865.0	27.0				
2400	15.0	+850.0	42.0				
380	40.0	+810.0	82.0				
							P1-4



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		
400	0.5	+891.5	0.5	+982.0	N	6543119
500	3.5	+878.0	4.0	+830.5	E	286398
130	2.5	+875.5	6.5			
1300	20.0	+855.5	26.5	EspeTot		
500	25.0	+830.5	51.5			

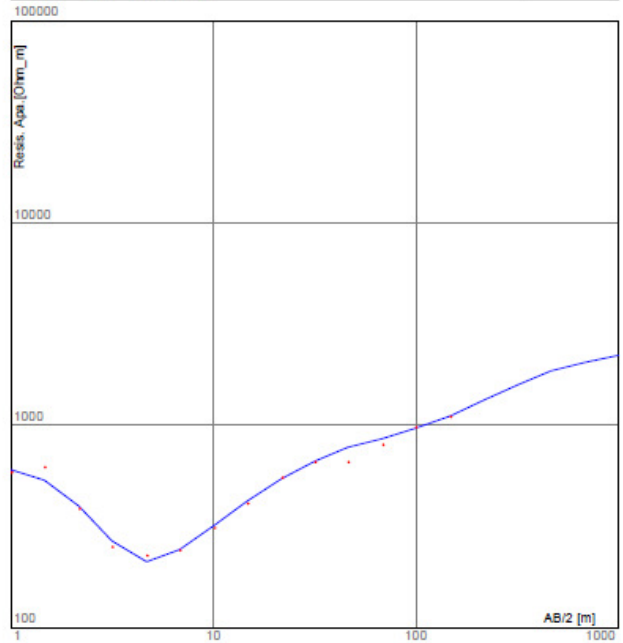
S.E.V.  
P1-5



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		
500	0.5	+894.5	0.5	+885.0	N	6543116
1000	0.4	+894.1	0.9	+821.5	E	286414
110	2.6	+881.5	3.5			
1300	20.0	+861.5	23.5	EspeTot		
680	40.0	+821.5	63.5			

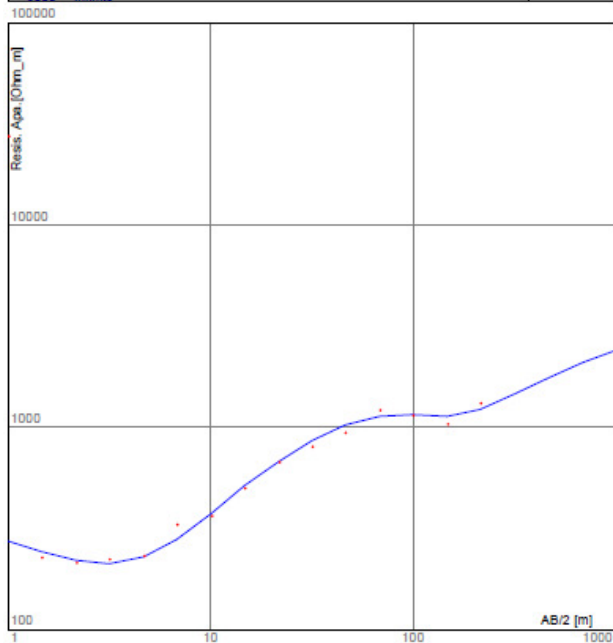
S.E.V.  
P1-6



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		
340	0.5	+902.5	0.5	+903.0	N	6543130
185	4.0	+898.5	4.5	+828.5	E	286448
2200	30.0	+868.5	34.5	EspeTot		
400	40.0	+828.5	74.5			
3000	Infinito					

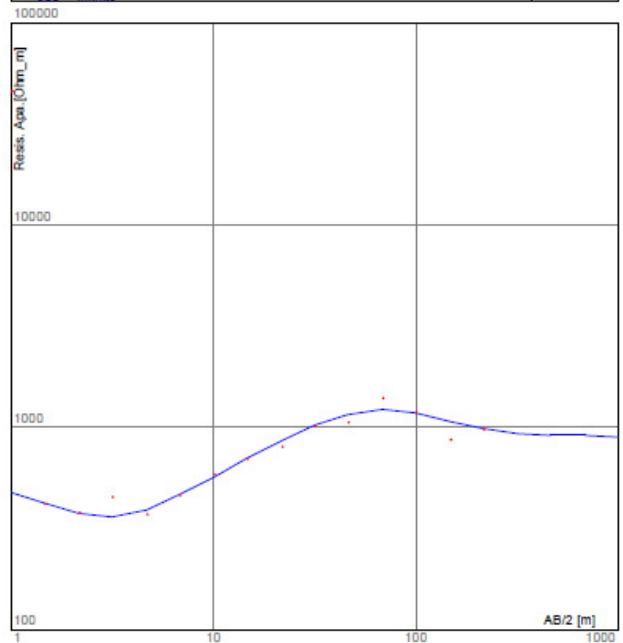
S.E.V.  
P1-7



GEOEXPLORACIONES® S.A.

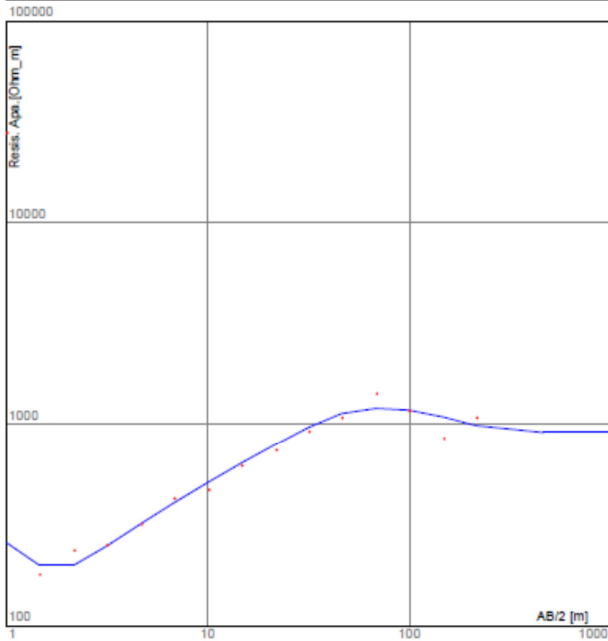
SECTOR LOS RULOS					S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		
550	0.6	+898.4	0.6	+899.0	N	6543219
300	2.8	+895.6	3.4	+874.6	E	286361
1000	10.0	+885.6	13.4	EspeTot		
3000	11.0	+874.6	24.4			
900	Infinito					

S.E.V.  
P2-1



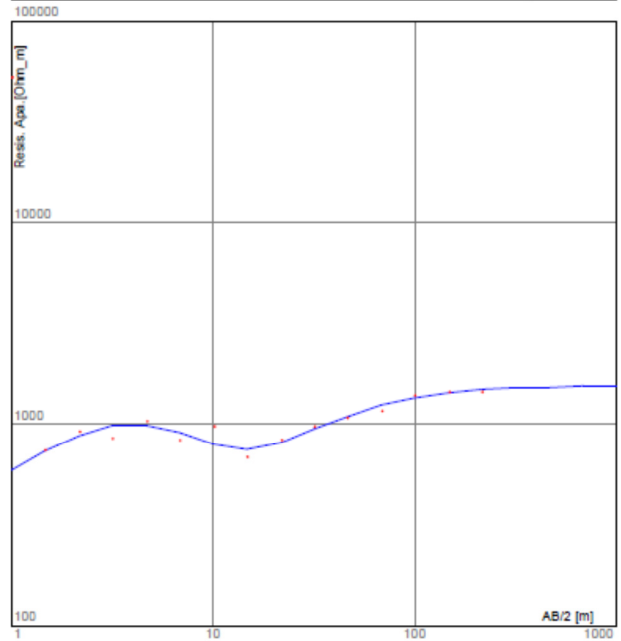
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espeor	Cota	Profund.	CotaSupe		
500	0.4	+897.5	0.4	+995.0	N	6543214
110	1.0	+896.5	1.4	+877.6	E	286369
800	10.0	+886.5	11.4	EspeTot		20.4
4000	9.0	+877.6	20.4			
900	Infinito					



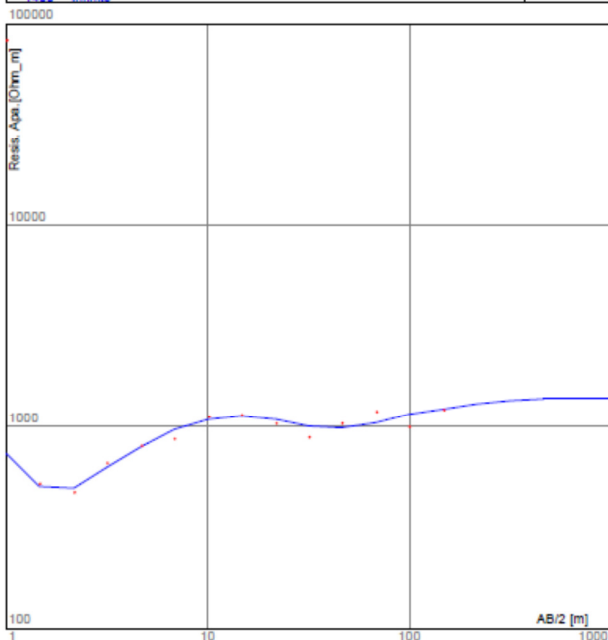
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espeor	Cota	Profund.	CotaSupe		
330	0.4	+892.6	0.4	+893.0	N	6543194
1500	1.6	+890.8	2.2	+881.8	E	286390
550	9.0	+881.8	11.2	EspeTot		11.2
1550	Infinito					



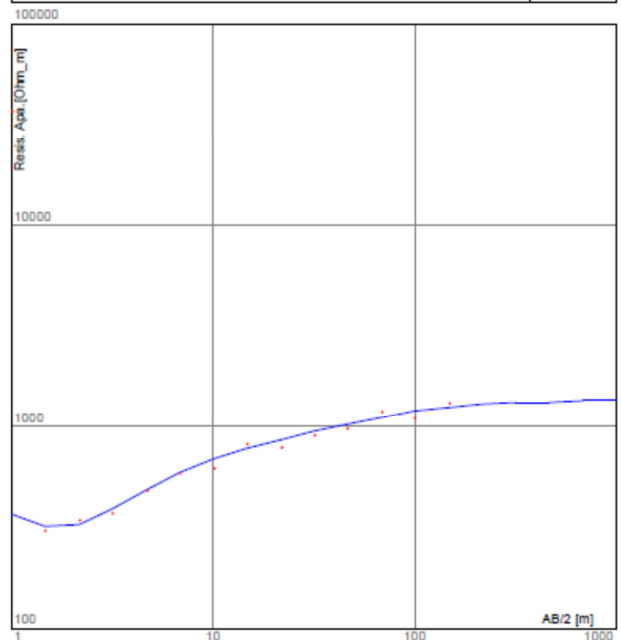
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espeor	Cota	Profund.	CotaSupe		
1800	0.4	+899.5	0.4	+900.0	N	6543213
180	0.6	+899.0	1.0	+875.0	E	286412
1800	6.0	+893.0	7.0	EspeTot		25.0
700	18.0	+875.0	25.0			
1400	Infinito					



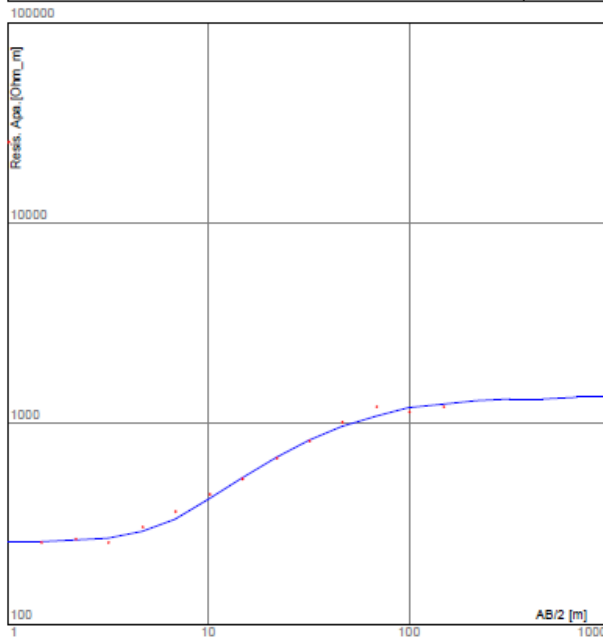
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS					S.E.V.	
Resist.	Espeor	Cota	Profund.	CotaSupe		
480	0.5	+909.5	0.5	+910.0	N	6543220
190	0.9	+908.6	1.4	+888.6	E	286427
950	20.0	+888.6	21.4	EspeTot		21.4
1350	Infinito					



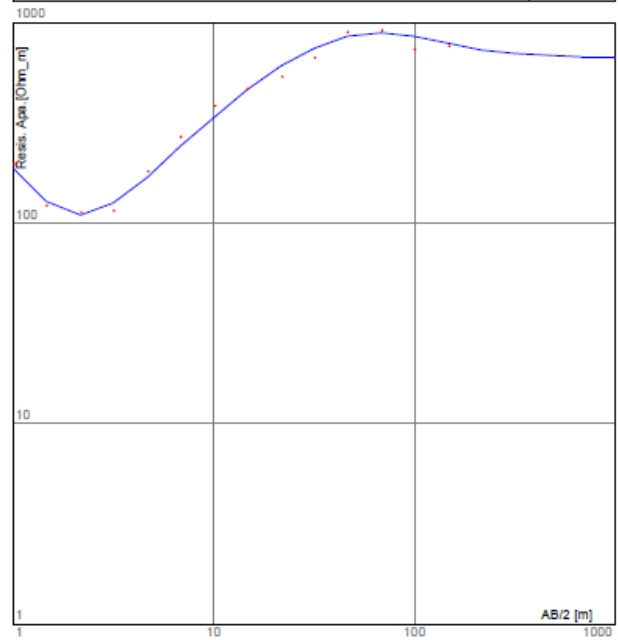
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
255	4.8	+907.2	4.8	+912.0		6543208	
1350	Infinito			+907.2	E	286439	P2-6
				EspeTot			
				4.8			



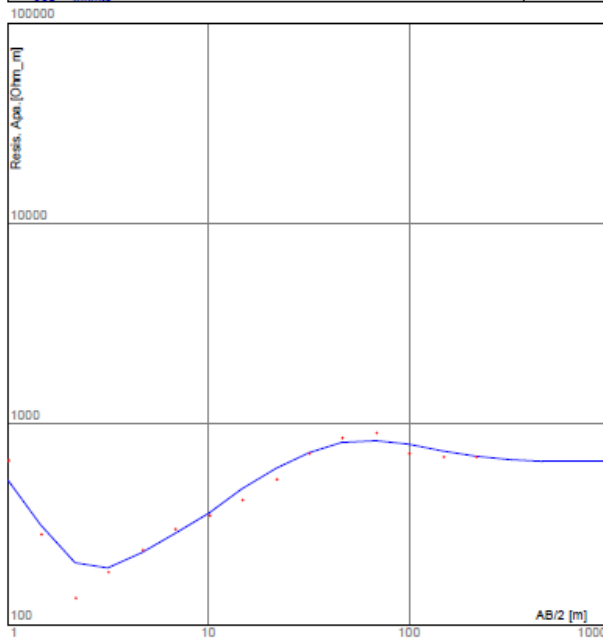
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
400	0.4	+891.5	0.4	+892.0		6543254	
75	1.9	+889.7	2.3	+882.7	E	286335	P3-1
4000	7.0	+882.7	9.3				
670	Infinito			EspeTot			
				9.3			



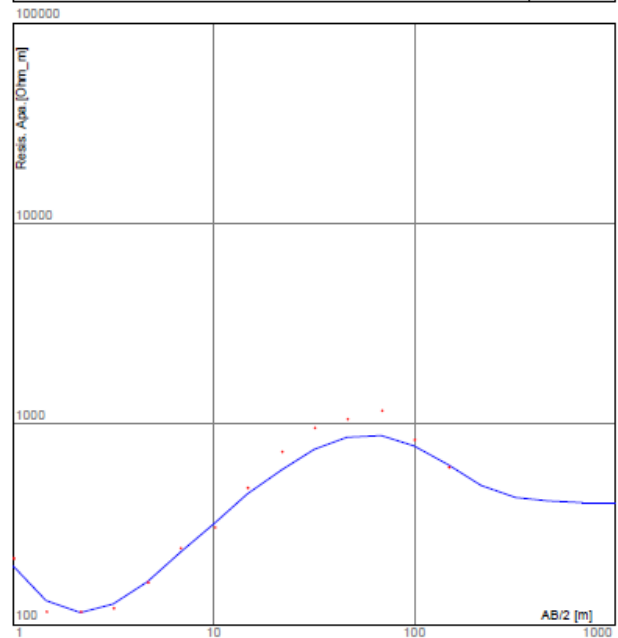
GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
1000	0.5	+895.5	0.5	+896.0		6543253	
110	1.2	+894.3	1.7	+882.3	E	286345	P3-2
350	5.0	+889.3	6.7				
3000	7.0	+882.3	13.7				
650	Infinito			EspeTot			
				13.7			



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
500	0.3	+895.6	0.3	+896.0		6543257	
90	2.5	+893.1	2.8	+888.1	E	286357	P3-3
8000	5.0	+888.1	7.8				
400	Infinito			EspeTot			
				7.8			

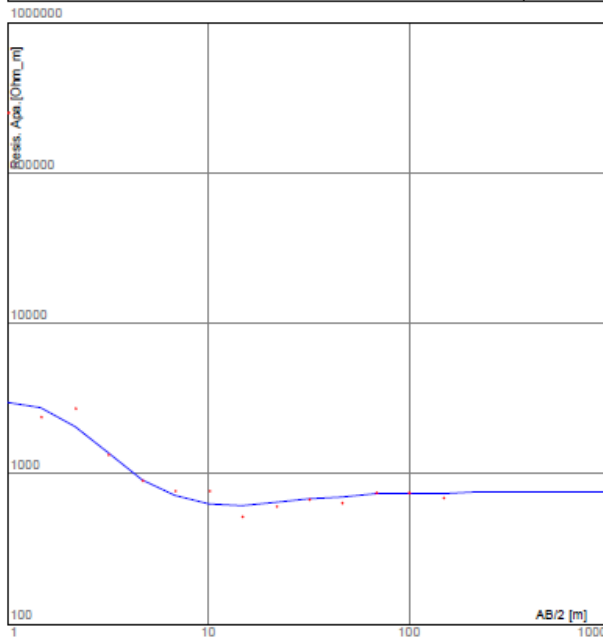


GEOEXPLORACIONES® S.A.



SECTOR LOS RULOS				S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		
2000	0.3	+891.7	0.3	+892.0	N	6543264
9000	0.2	+891.4	0.5	+885.4	E	286396
750	4.0	+887.4	4.5	EspeTot		6.5
300	2.0	+885.4	6.5			
750	Infinito					

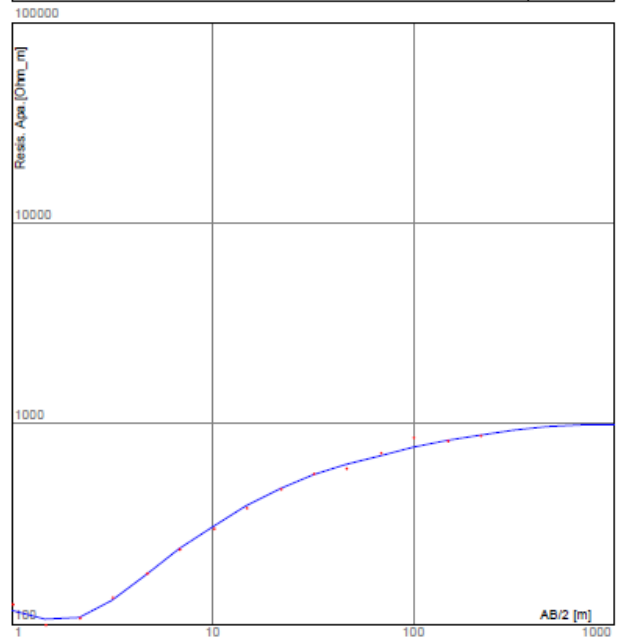
S.E.V.  
P3-4



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS				S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		
150	0.5	+898.5	0.5	+899.0	N	6543270
67	1.2	+897.3	1.7	+847.3	E	286414
750	50.0	+847.3	51.7	EspeTot		51.7
1000	Infinito					

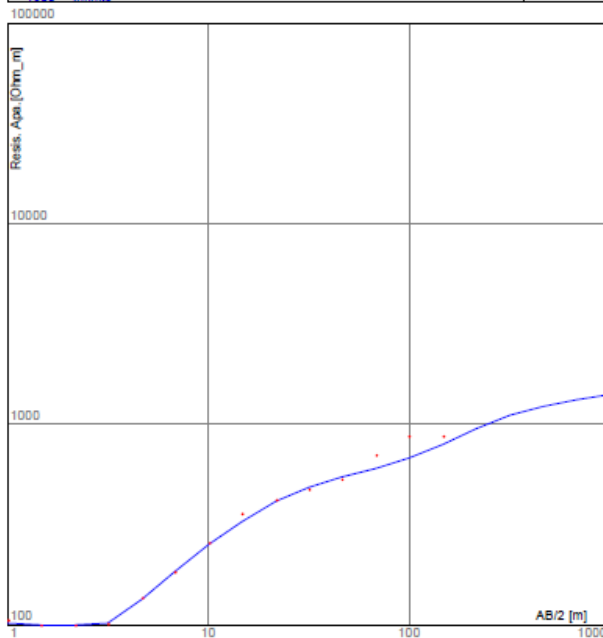
S.E.V.  
P3-5



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS				S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		
120	0.5	+890.5	0.5	+891.0	N	6543268
70	2.0	+888.5	2.5	+842.5	E	286433
1500	6.0	+882.5	8.5	EspeTot		48.5
500	40.0	+842.5	48.5			
1500	Infinito					

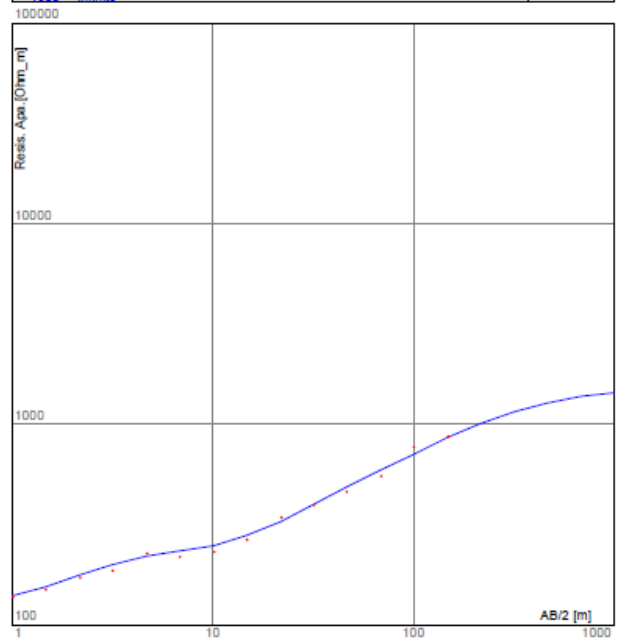
S.E.V.  
P3-6



GEOEXPLORACIONES® S.A.

SECTOR LOS RULOS				S.E.V.		
Resist.	Espesor	Cota	Profund.	CotaSupe		
130	1.0	+893.0	1.0	+894.0	N	6543269
350	0.8	+892.2	1.8	+844.2	E	286449
220	8.0	+894.2	9.8	EspeTot		49.8
700	40.0	+844.2	49.8			
1500	Infinito					

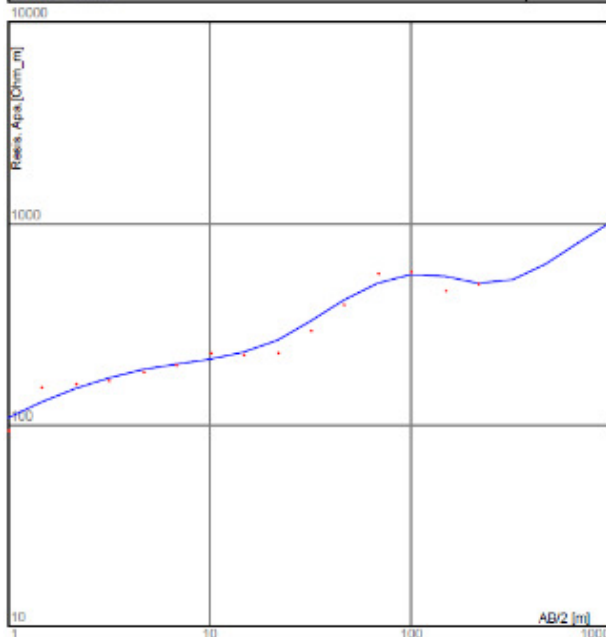
S.E.V.  
P3-7



GEOEXPLORACIONES® S.A.

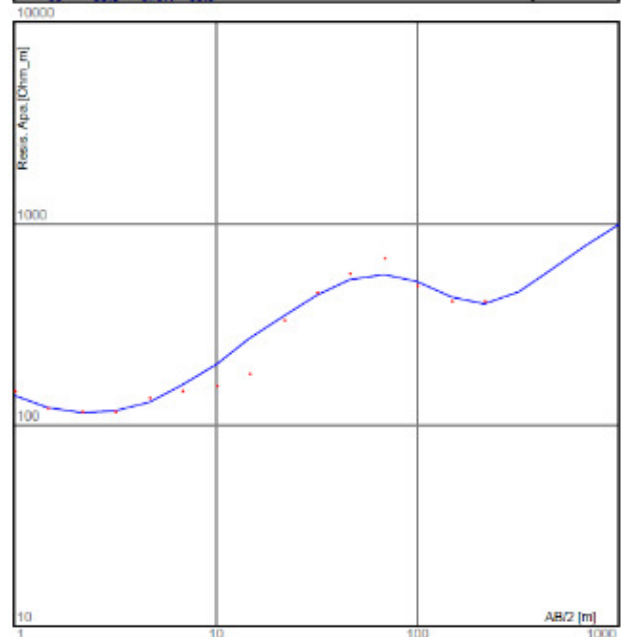
**ANEXO III-3**  
**S.E.V. SECTOR LA MORALINA**

SECTOR LA MORALINA						S.E.V.	
Resist.	Espezor	Cota	Profund.	CotaSupe		N	
80	0.5	+659.5	0.5	+659.0		6573827	
212	16.0	+642.5	16.5	+597.5	m	294661	P1-1
2000	25.0	+617.5	41.5				
65	30.0	+587.5	71.5				
2000	Infinito						



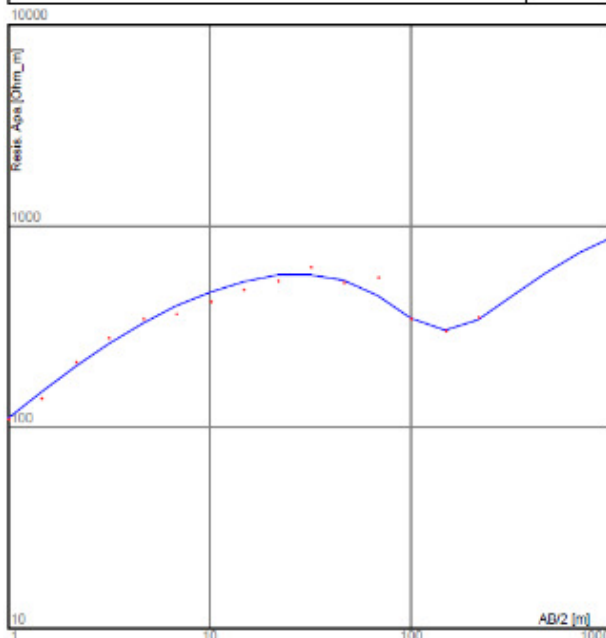
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espezor	Cota	Profund.	CotaSupe		N	
190	0.4	+648.6	0.4	+649.0		6573848	
100	2.5	+646.1	2.9	+579.1	E	294687	P1-2
220	4.0	+642.1	6.9				
1200	30.0	+612.1	36.9				
65	33.0	+579.1	69.9				



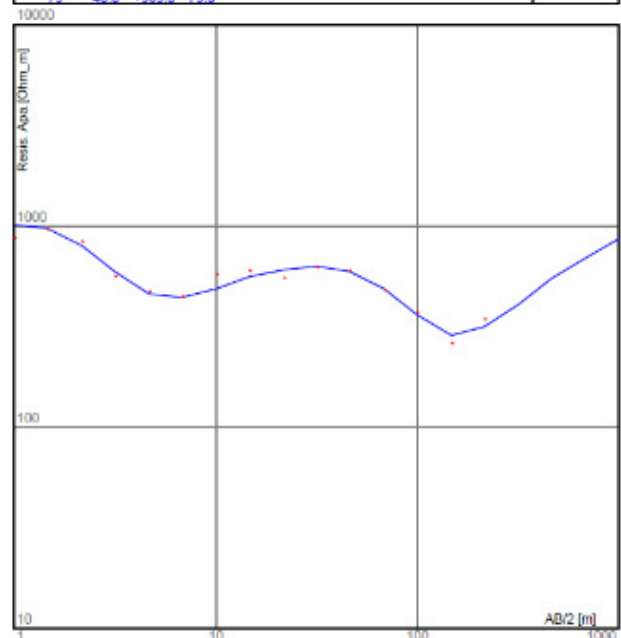
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espezor	Cota	Profund.	CotaSupe		N	
63	0.5	+645.5	0.5	+646.0		6573863	
650	36.0	+607.5	36.5	+571.5	E	294699	P1-3
90	36.0	+571.5	74.5				
1400	Infinito						



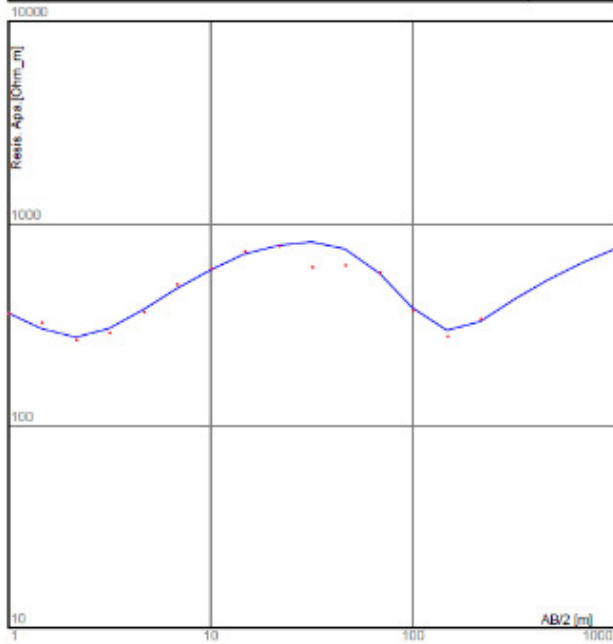
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espezor	Cota	Profund.	CotaSupe		N	
900	0.4	+643.6	0.4	+644.0		6573868	
1500	0.6	+643.0	1.0	+565.0	E	294701	P1-4
300	3.0	+640.0	4.0				
750	35.0	+605.0	39.0				
75	40.0	+565.0	79.0				



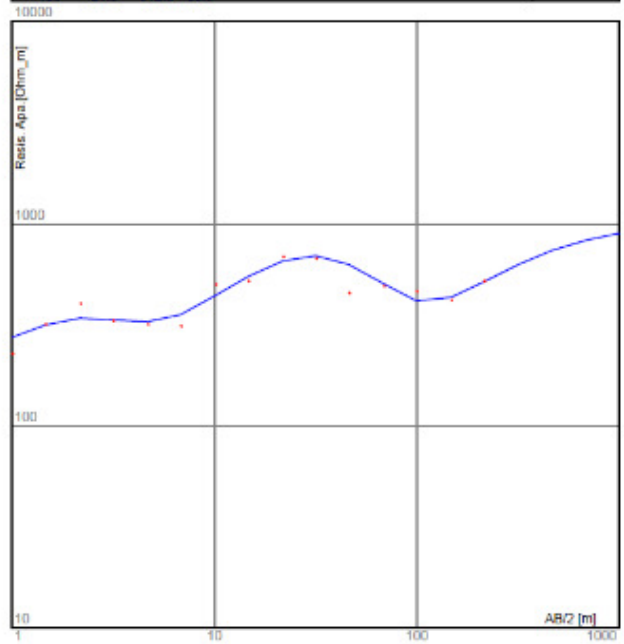
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
400	0.5	+653.5	0.5	+653.0		6573902	
200	1.6	+620.9	2.1	+577.9		294704	
1080	28.0	+622.9	30.1				
100	45.0	+577.9	75.1				
1000	Infinito						
						P1-5	



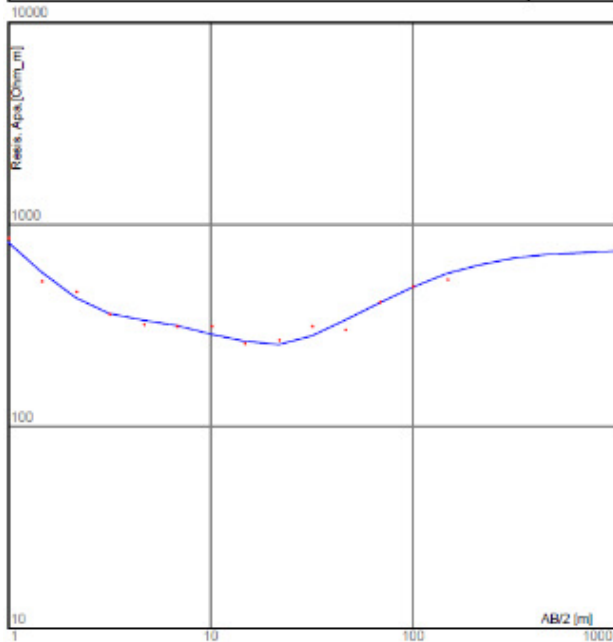
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
150	0.5	+650.5	0.5	+651.0		6573905	
500	2.5	+650.0	1.0	+812.5		294714	
180	2.5	+647.5	3.5				
1500	14.0	+633.5	17.5				
100	21.0	+612.5	38.5				
						P1-6	



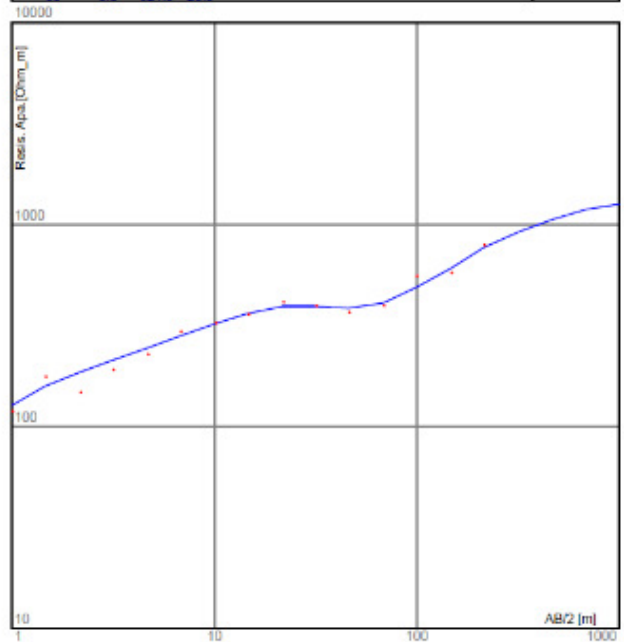
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
1300	0.5	+664.5	0.5	+665.0		6573928	
335	5.0	+658.5	5.5	+643.5		294705	
200	16.0	+643.5	21.5				
750	Infinito						
						P1-7	



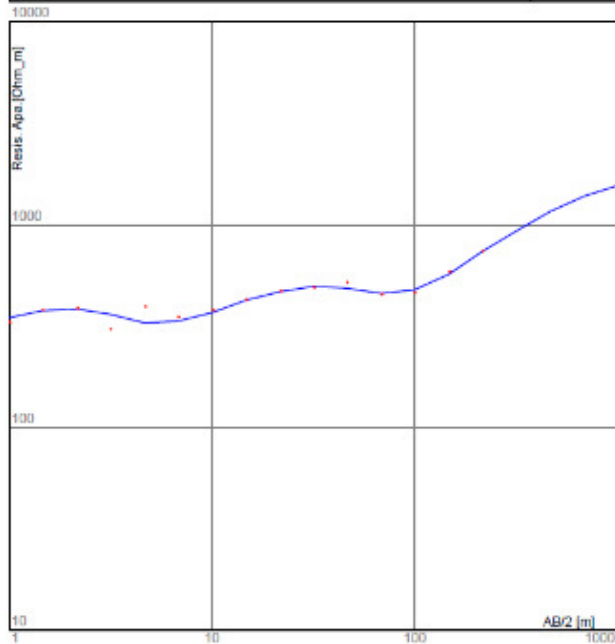
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	
80	0.5	+652.5	0.5	+653.0		6573971	
600	0.5	+652.0	1.0	+624.5		294591	
70	0.5	+651.5	1.5				
480	19.0	+632.5	20.5				
80	8.0	+624.5	28.5				
						P2-1	



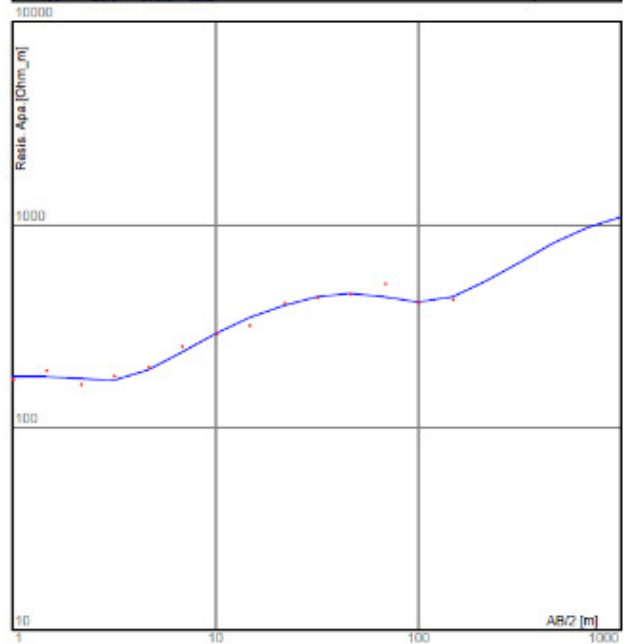
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
200	0.5	+646.5	0.5	+647.0		6573963	
600	1.0	+645.5	1.5	+600.5		294575	
100	1.0	+644.5	2.5		46.5		
580	30.0	+614.5	32.5				
100	14.0	+600.5	46.5				



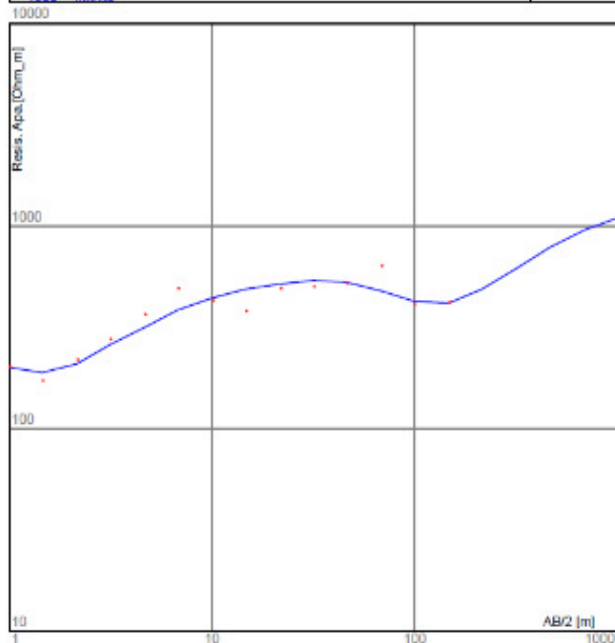
GEOEXPLORACIONES S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
150	0.5	+640.5	0.5	+641.0		6573951	
270	0.5	+640.0	1.0	+579.8		294587	
85	1.2	+638.8	2.2		82.2		
540	40.0	+598.8	42.2				
100	20.0	+578.8	62.2				



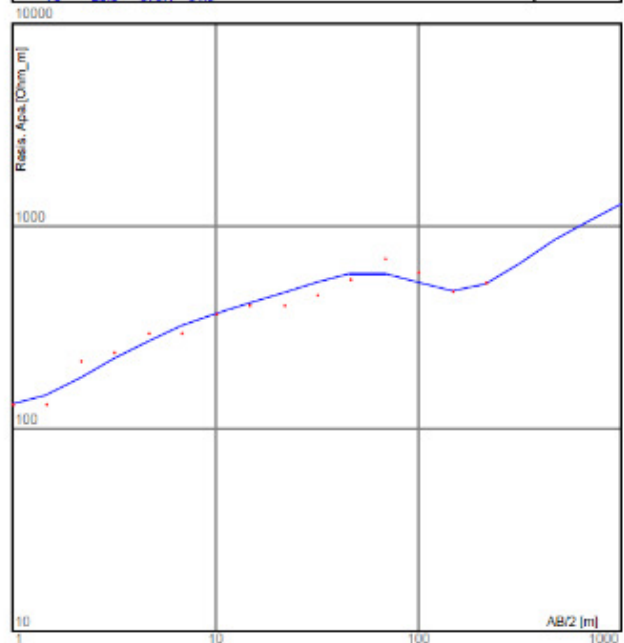
GEOEXPLORACIONES S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
250	0.5	+646.5	0.5	+647.0		6573942	
100	0.5	+645.0	1.1	+590.9		294565	
580	45.0	+600.9	46.1		66.1		
80	20.0	+560.9	66.1				
1500	Infinito						



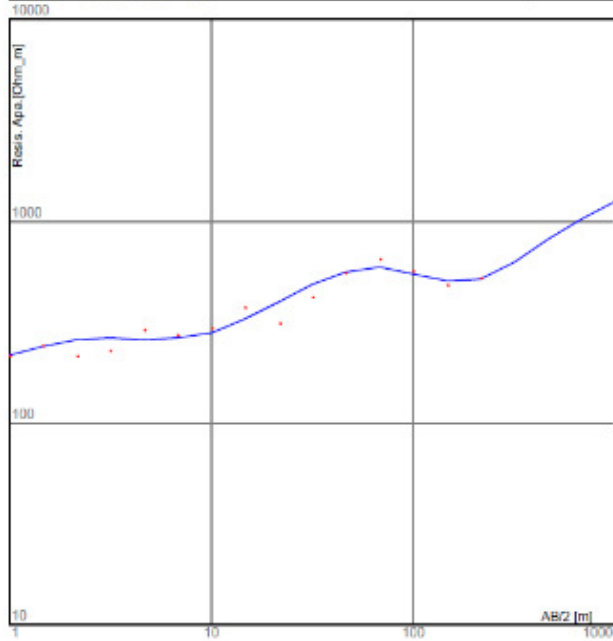
GEOEXPLORACIONES S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
135	0.5	+643.5	0.5	+644.0		6573922	
80	0.4	+643.1	0.9	+579.1		294548	
450	12.0	+631.1	12.9		64.9		
900	32.0	+599.1	44.9				
70	20.0	+579.1	64.9				



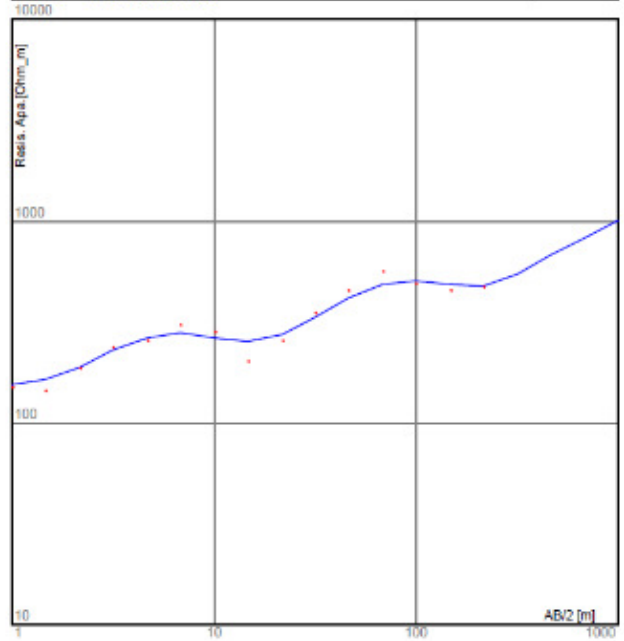
GEOEXPLORACIONES S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
170	0.5	+651.5	0.5	+652.0		6573916	
400	0.5	+651.0	1.0	+507.0		294541	
240	6.0	+643.0	9.0				
1000	35.0	+608.0	44.0				
70	21.0	+587.0	65.0				
						P2-6	



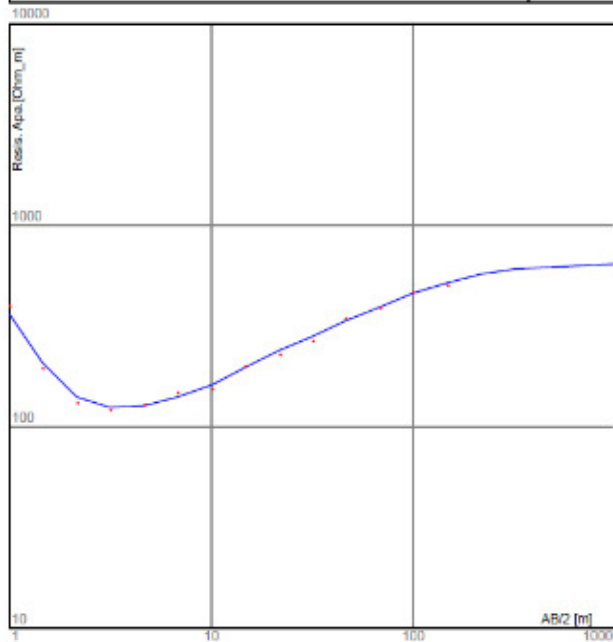
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
170	0.5	+621.5	0.5	+652.0		6573900	
96	0.5	+621.0	1.0	+623.0		294629	
500	3.0	+648.0	4.0				
85	5.0	+643.0	9.0				
1000	20.0	+623.0	26.0				
						P2-7	



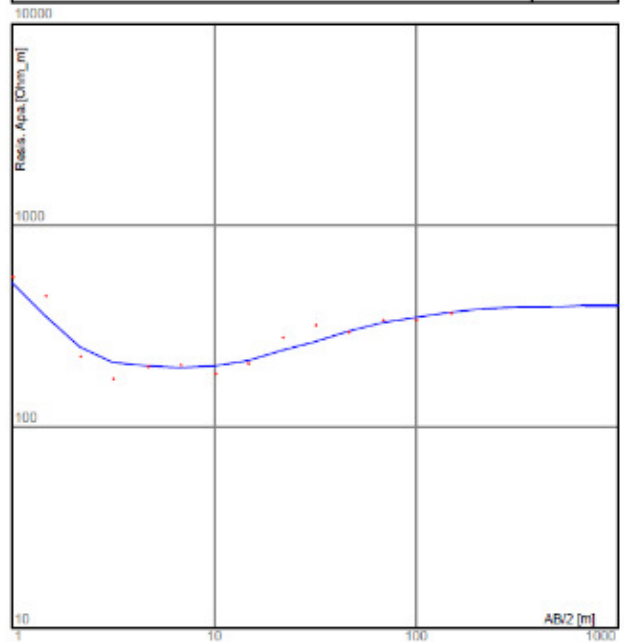
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
800	0.4	+643.6	0.4	+644.0		6574050	
115	5.0	+638.6	5.4	+618.6		294468	
340	20.0	+618.6	25.4				
650	Infinito						
						P3-1	



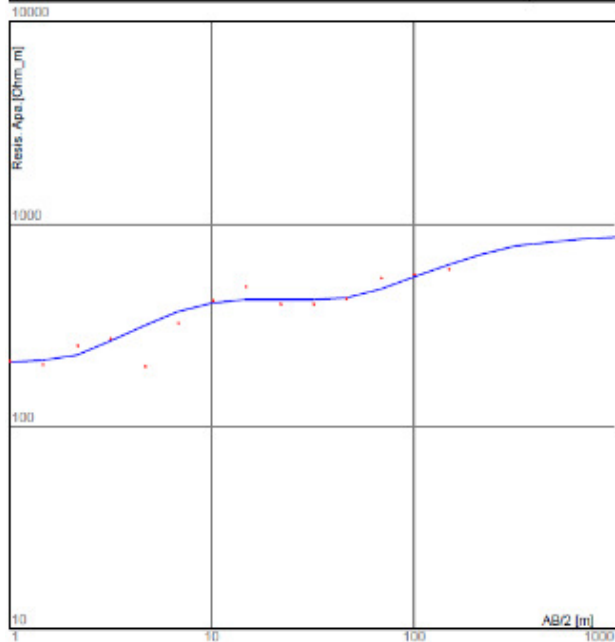
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe		N	E
250	0.5	+612.5	0.5	+643.0		6574054	
190	10.0	+632.5	10.5	+612.5		294443	
340	20.0	+612.5	30.5				
400	Infinito						
						P3-2	



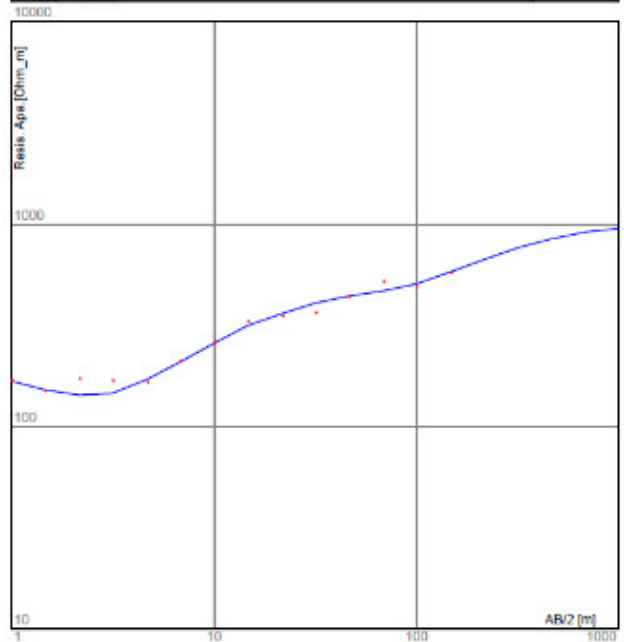
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+650.0	N	6572801
220	0.5	+648.5	0.5	CotaPiso	+615.3	E	262986
180	1.2	+648.3	1.7	EspeTot	34.7		
660	3.0	+645.3	4.7				
360	25.0	+620.3	29.7				
230	5.0	+615.3	34.7				



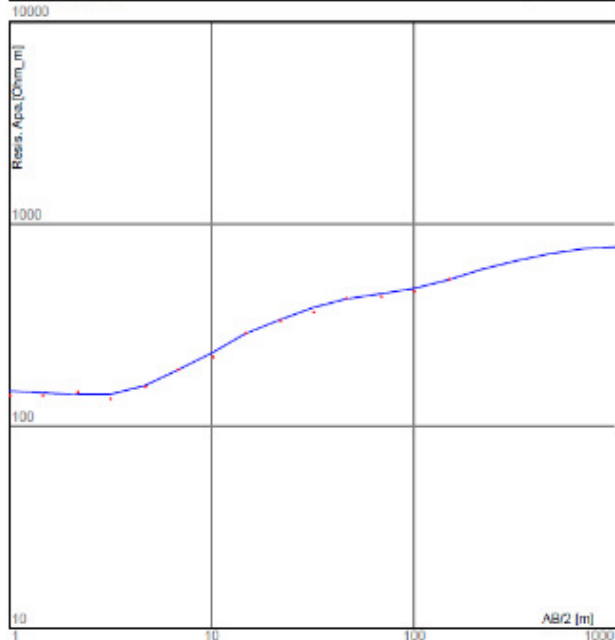
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+658.0	N	6574035
200	0.5	+657.5	0.5	CotaPiso	+605.1	E	294425
120	2.4	+655.1	2.9	EspeTot	52.9		
490	40.0	+615.1	42.9				
200	10.0	+605.1	52.9				
1000	Infinito						



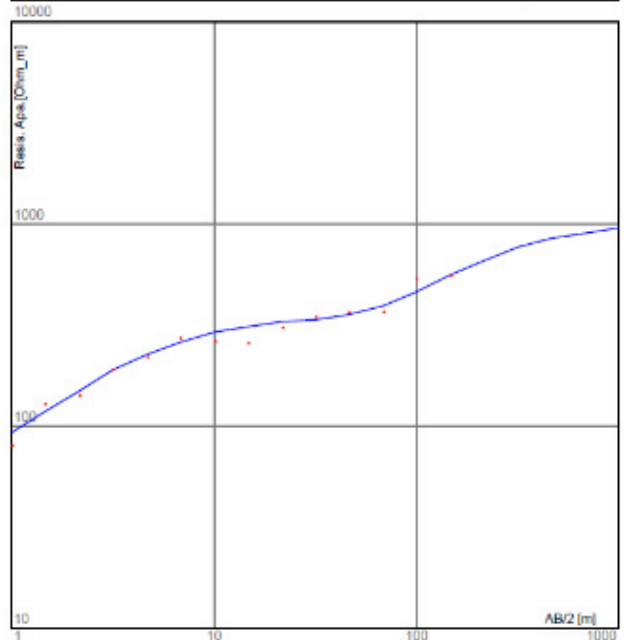
GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+653.0	N	6574017
150	1.0	+652.0	1.0	CotaPiso	+599.5	E	264409
100	2.0	+649.5	3.0	EspeTot	53.5		
480	40.0	+609.5	43.5				
200	10.0	+599.5	53.5				
800	Infinito						



GEOEXPLORACIONES® S.A.

SECTOR LA MORALINA						S.E.V.	
Resist.	Espesor	Cota	Profund.	CotaSupe	+688.0	N	6574004
65	0.6	+687.4	0.6	CotaPiso	+627.4	E	294380
340	30.0	+637.4	30.6	EspeTot	40.8		
190	10.0	+627.4	40.6				
1000	Infinito						



GEOEXPLORACIONES® S.A.

**ANEXO III-4**  
**PERFILES DE SONDAJES ELÉCTRICOS**  
**VERTICALES DE LAS MICROCUENCAS**



**ANEXO III-4.1**  
**PERFILES DE SONDAJES ELÉCTRICOS**  
**VERTICALES DE LA MICROCUENCA**  
**LA ISLA – PEÑA BLANCA**

**ANEXO III-4.2**  
**PERFILES DE SONDAJES ELÉCTRICOS**  
**VERTICALES DE LA MICROCUENCA**  
**LOS RULOS – CANELA ALTA**

**ANEXO III-4.3**  
**PERFILES DE SONDAJES ELÉCTRICOS**  
**VERTICALES DE LA MICROCUENCA**  
**LA MORALINA - MANQUEHUA**