APPENDIX A

Boreholes

Figures A-1 to A-3 are intended to illustrate the general distribution of borehole investigation work that has been carried out in the project area to date. Details of the borehole locations shown are stored in the SICADA database. The figures themselves have been generated from RVS (SKB's 3D modelling program for geological data). It should be noted that whilst the vast majority of borehole positions are included in the SICADA database, the records are incomplete. An ongoing SKB project is attempting to localise and record the positions and details of certain 'lost' boreholes.

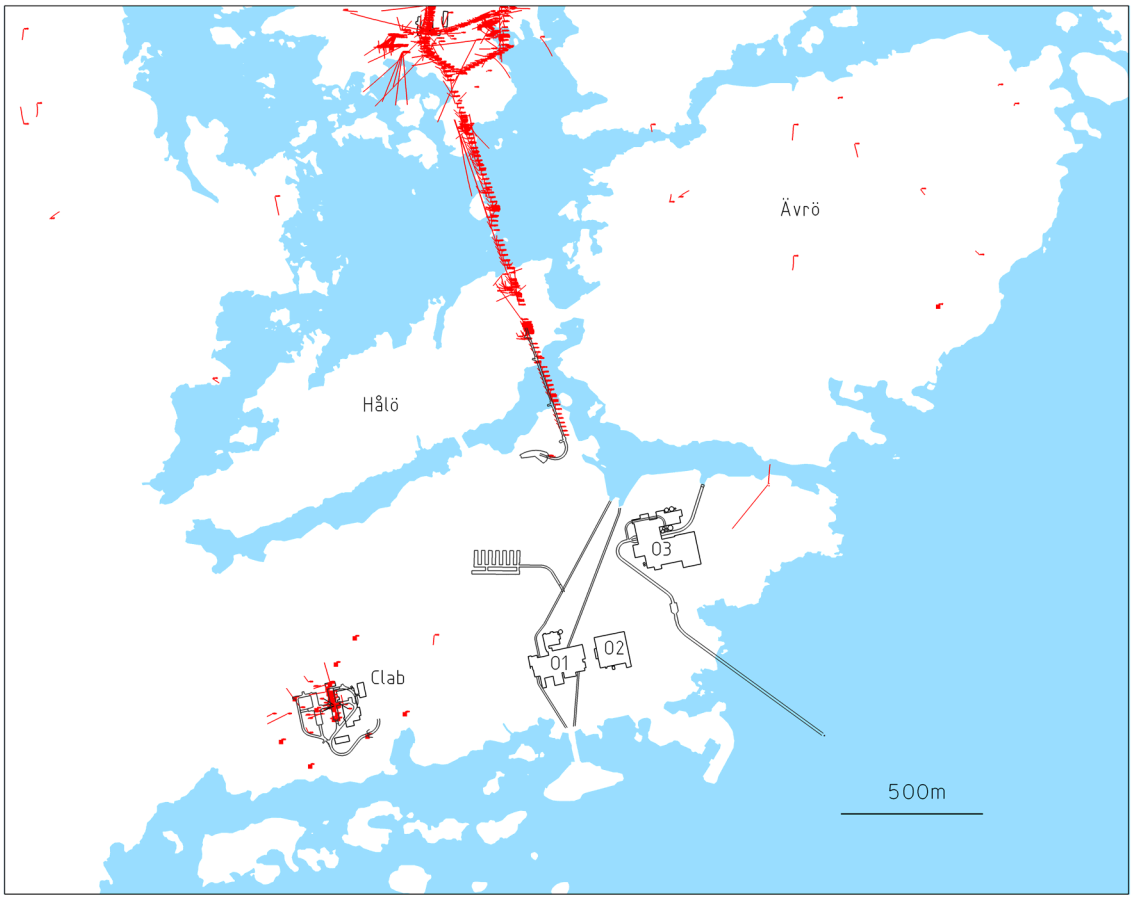

Figure A-1 Project area showing overall distribution of drillhole investigations in red. (Locations from SICADA via RVS. Clab and OKG layouts modified after OKG, dwg nr 78-01-002)

.

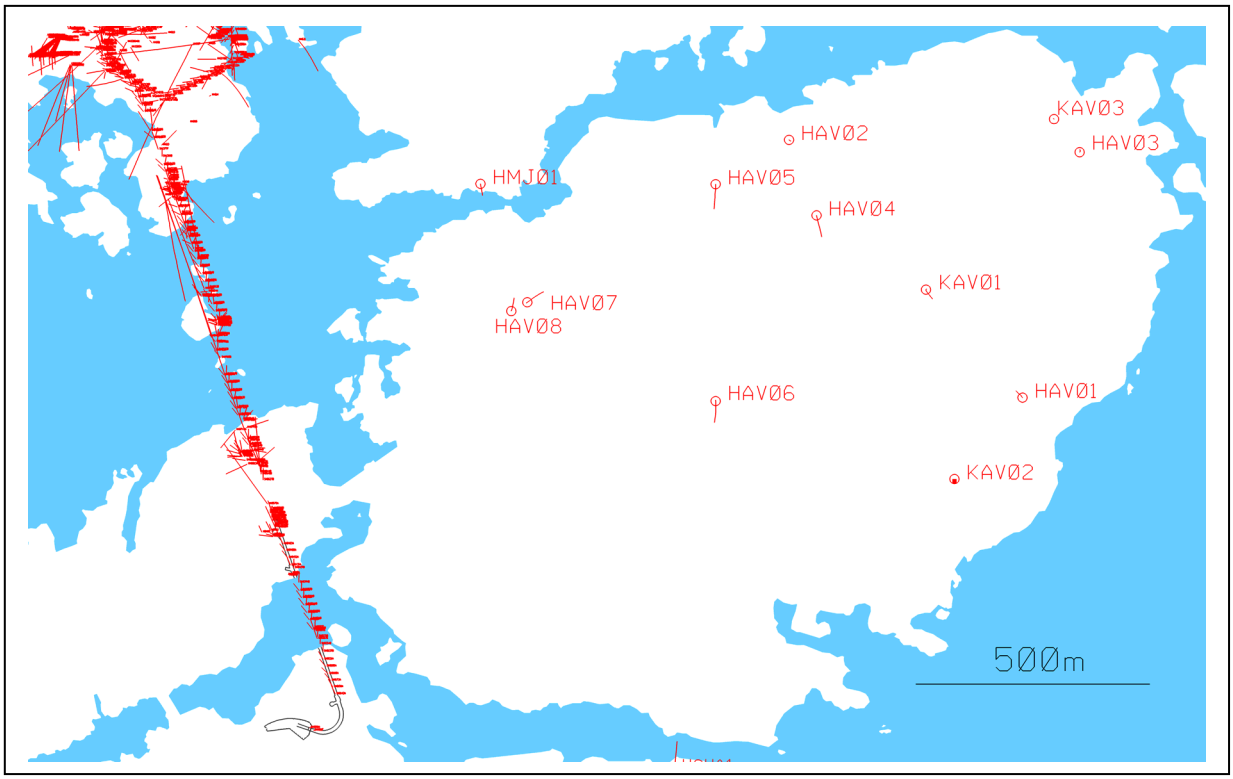

Figure A-2 Boreholes (locations from SICADA via RVS. Äspö access tunnel drillholes indicated with reduced text for clarity. K=rotary cored drillhole (text at start of hole) H=hammer borehole (text at start of hole)

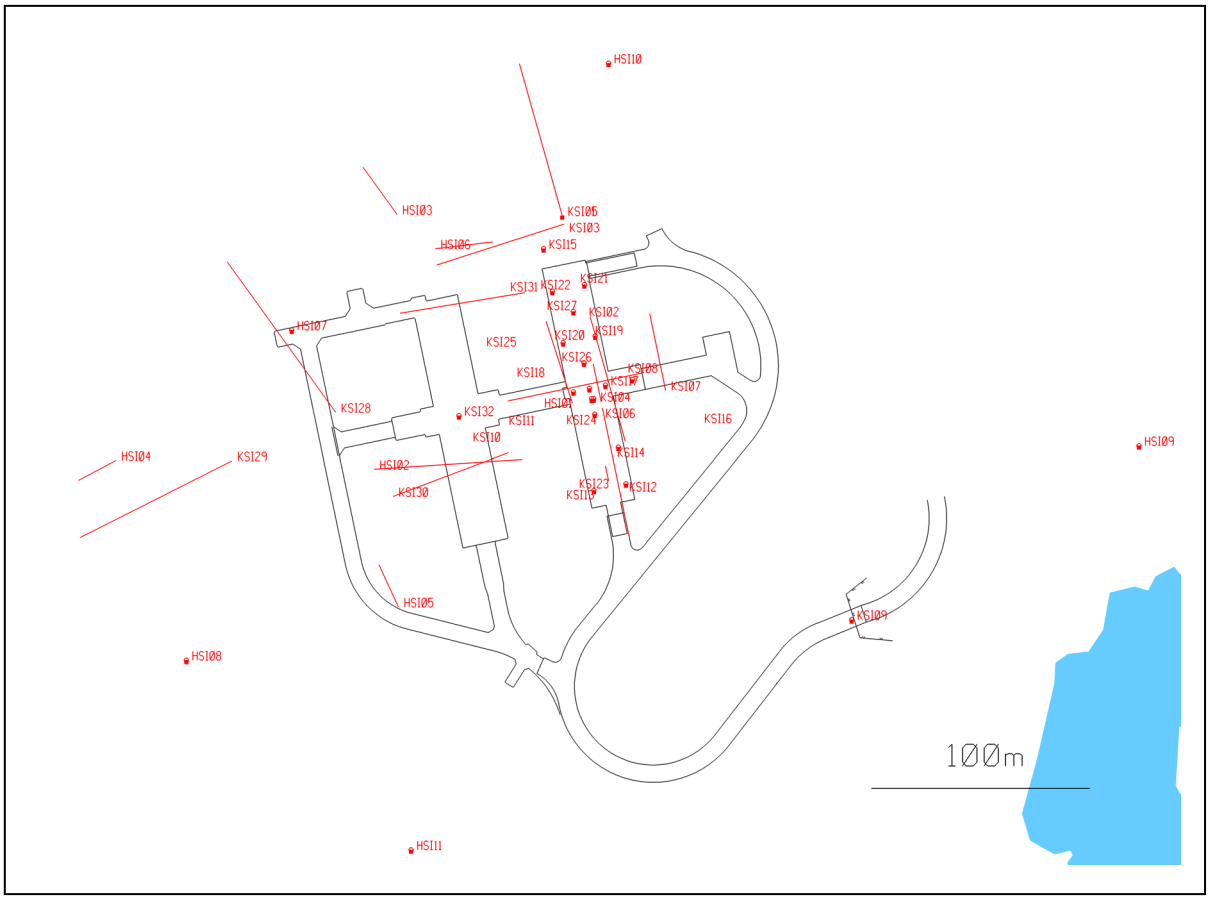

Figure A-3 CLAB Boreholes (locations from SICADA via RVS, Clab layout modified after OKG, dwg 78-01-002. K=rotary cored drillhole (text at start of hole), H=hammer borehole(text at start of hole)

APPENDIX B

Fracture Data

Fracture mapping and joint statistics (based on, ID 32 Fracture mapping on outcrops, Lars Ericsson, 1987. Text based on AR L-98-22, with additions from Moberg,79 and Clab 1 documentation)

Below are presented rosette diagrams for data sets in the vicinity of the project area.

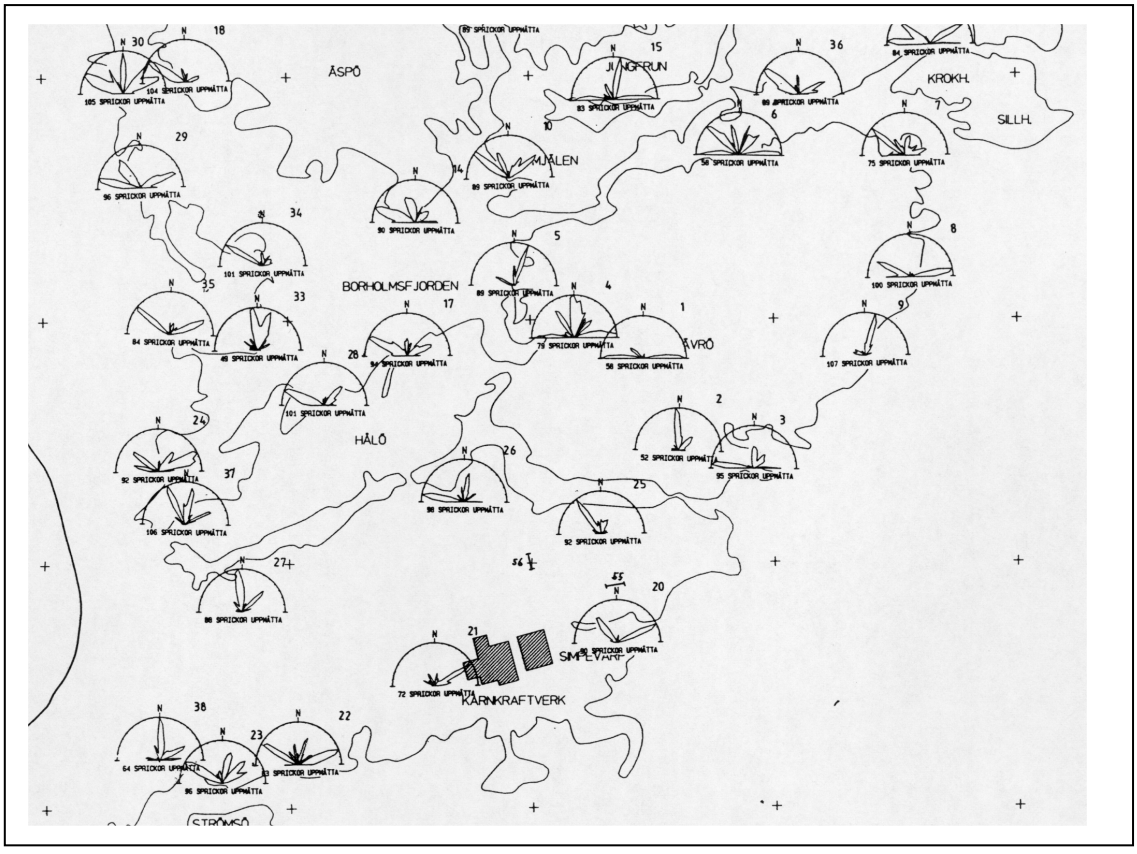

Figure B-1 Local compilations of fracture orientations

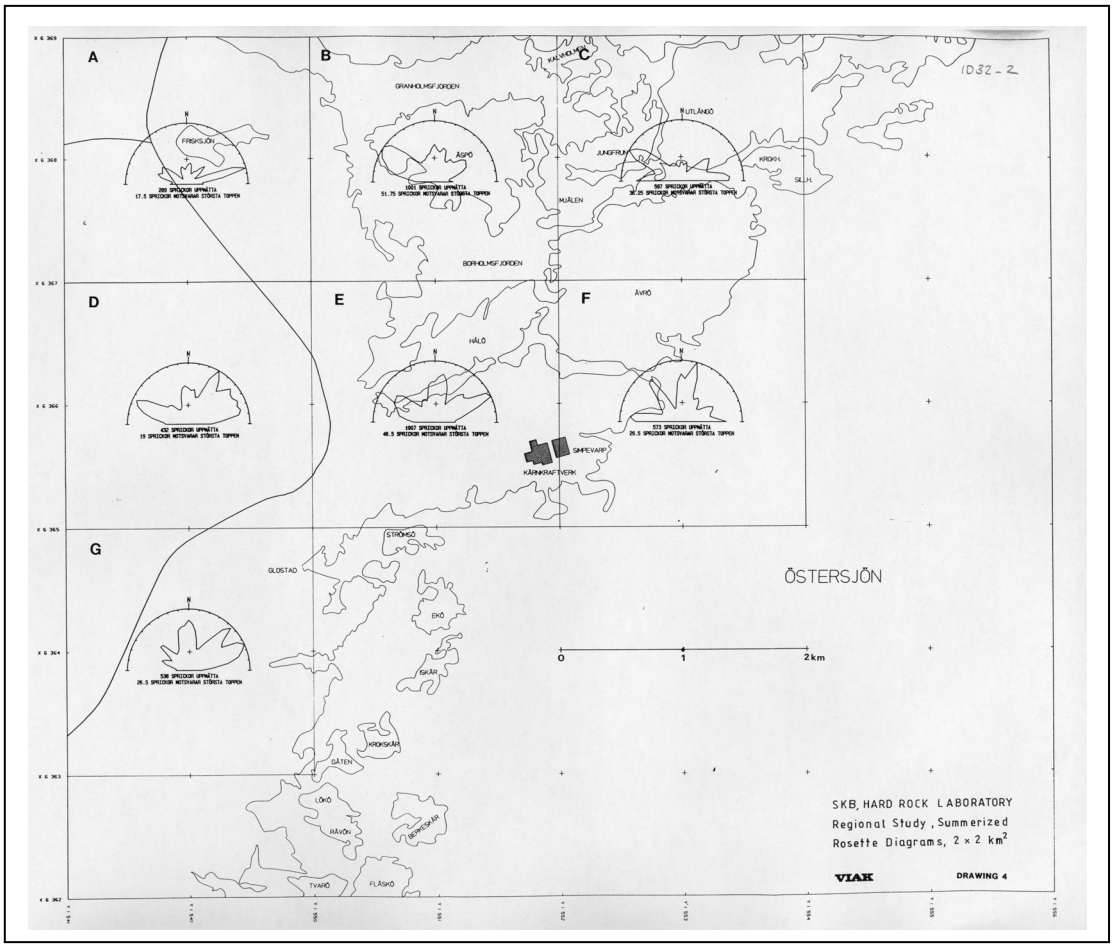

Figure B-2 Regional compilations of fracture orientations

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Simpevarp Peninsula

According to Larsson (1959) who focused his studies on the eastern side of the peninsula, the dominant fracture orientations are ENE and NNE. NE is a secondary orientation and NW of tertiary significance. The fractures oriented ENE are generally the longest commonly dipping to the SSE. Joint fillings are dominated by epidote and a red coloration (oxidation) is often noted.

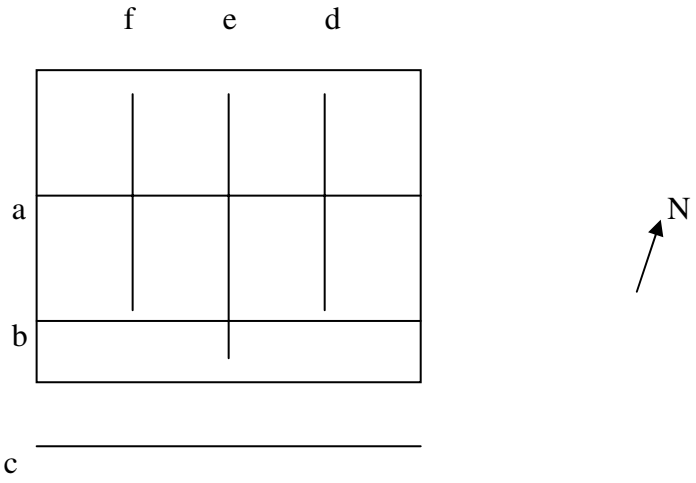
Detailed fracture mapping was carried of the excavated foundation of O3. The mapping was carried along six profiles (3 with an E-W orientation and 3 with a N-S orientation (ref: ID4). The fractures were classed with the following persistence groups; 2-5m, 5-10m and >10m. The results are shown below.

Summary of fracturemapping carried out in the foundation beneath rector O3

(after Hoffner, 1981)

Fracture group		**Frac length (m)**	**Profile and number of fractures**						**Total nr in group**	**Frac frequency Nr fracs >2m per m**	**Mean frac' spac -ing (m)**
Strike	Dip^o		**a**	**b**	**c**	**d**	**e**	**f**			
N20E	Ca. 90^o	2-5	3	6	5	2	5	2	23		
		5-10	8	7	6	4	5	2	32		
		>10	2	4	-	1	-	2	9		
		Sub tot	13	17	11	7	10	6	64	0.166	6.02
N10W	Ca. 60^{o}E	2-5	3	5	12	-	-	-	20		
		5-10	5	5	5	-	-	-	15		
		>10	4	2	1	-	-	-	7		
		Sub tot	12	12	18	-	-	-	42	0.182	5.49
N60W	Ca. 35^{o}S	2-5	2	9	4	4	5	-	24		
		5-10	7	8	8	4	5	-	32		
		>10	5	4	1	-	2	7	19		
		Sub tot	14	21	13	8	12	7	75	0.195	5.19
N80E	Ca. 60^o	2-5	-	-	-	9	8	3	20		
		5-10	-	-	-	4	7	11	22		
		>10	-	-	-	1	1	2	4		
		Sub tot	-	-	-	14	16	16	46	0.299	3.34
Sub tot fracs longer than 2m in profile			39	50	42	29	38	29	227		

Profile length (m)	77	77	77	47	60	47	385		
Frac frequency, fracs >2m/m	0.51	0.65	0.55	0.62	0.63	0.62	0.59	0.59	1.69



Profile alignments on the Reactor floor

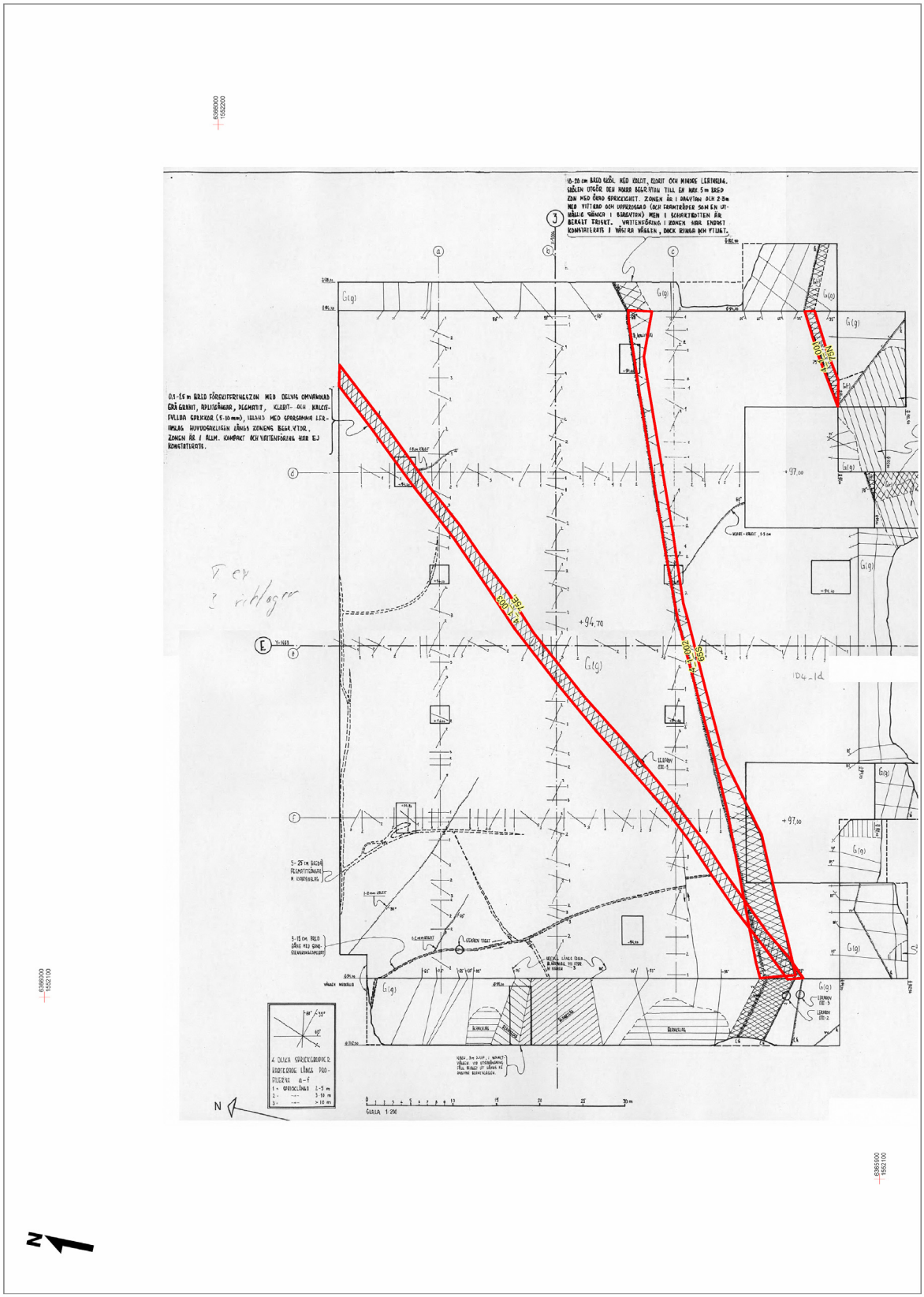


Figure B-3 Fracture mapping beneath reactor O3. The figure has been input into the database.

Clab

Fracture mapping on surface rock outcrops was carried out to supply base data for the design of CLAB (Moberg, 1979 and Munier, 1995). The results showed a clearly dominant fracture orientation of ENE with dips generally steep to moderately steep. A secondary orientation of NS to NW, steeply dipping, was also identified. In addition the later drilling work identified the frequent presence of gently dipping fractures in the area.

Fracture data from the core holes carried out for Clab 1 are compiled below.

Average fracture frequency (number of fractures per meter) subdivided into four different classes; A, B, C, D along with the percentage of each class as represented as in each borehole. Data from core holes D1 to D11, carried out in connection with the construction of Clab 1 (after Moberg, 1979)

Drillhole length (m)		Fracture class							
		A		B		C		D	
		Frac per m	%	Frac per m	%	Frac per m	%	Frac per m	%
D1/40N	95	2.8	10	5.7	24	6.6-7.2	23	14-19	43
D2/45w	84	0-3	9	3.1-6	45	6.3-8.3	27	12-16	19
D3/45S	87	0-3	9	4.5	28	6.8-7.5	18	11-15.5	45
D4/75S	69	0-3	15	5.6	36	7.2	27	16.5	22
D5/90	62	0-3	21	3.9	45	6.6	21	13.0	13
D6/45S	86	0-3	21	4.8-5.2	36	7.1-8.7	24	9.7-10.7	19
D7/60N	72	0-3	17	3.0-3.5	25	7.7-8.2	26	10.2-11	32
D8/30W	73	0-3	19	3.1-6	55	6.1-9	19	>9.1	7
D9/90	16	1.8	63	4.9	31	6.1-9	6	>9.1	0
D10/90	50	0-3	8	4.5-5	38	6.1-9	22	9.3-9.7	32
D11/90	57	0-3	35	3.5-5.1	30	7.1	26	>9.1	9

Original BH Name	Current SICADA designation
D1	KS101
D2	KS102
D3	KS103
D4	KS104
D5	KS105
D6	KS106
D7	KS107
D8	KS108
D9	KS109
D10	KS110
D11	KS111

Fracture classes:

A=Low fracture frequency (1-3 frac/m)

B= Moderate fracture frequency (3.1-6 frac/m)

C=Fairly high fracture frequency (6.1-9 frac/m)

D=High fracture frequency (>9.1 frac/m)

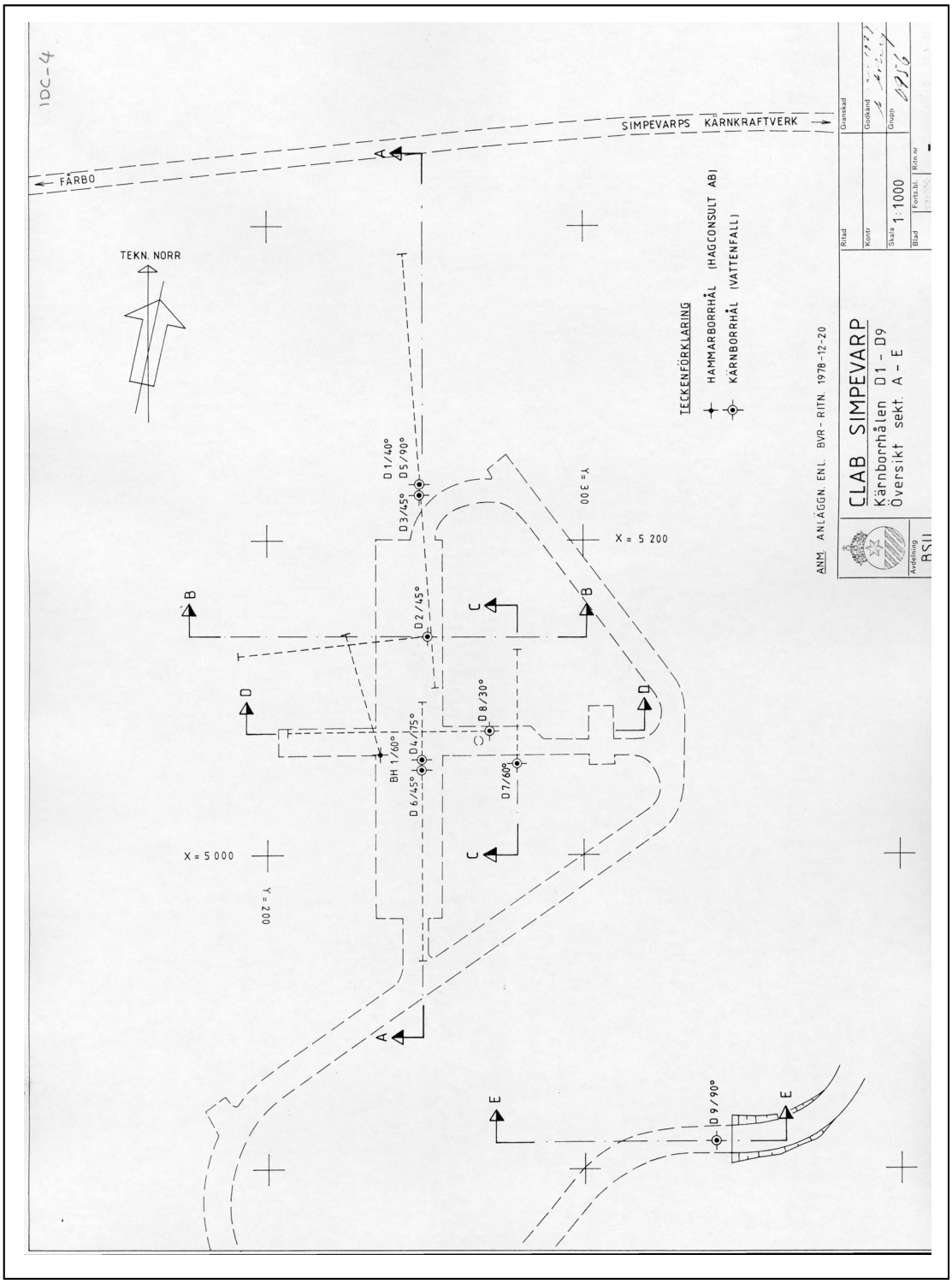


Figure B-4 Clab plan view showing locations for rotary drillholes D1 to D9

Mapping of the Clab 1 transport tunnel (Eriksson, 1982) identifies the dominating fracture orientations to be as follows:

N50O/90

N65W/80S

N25W/90

N50E/30S

N45W/20S

Mapping of the Clab 1 cavern identified three fracture groups as being dominant:

N60O/80S

N30E/80W

N20W/80E-90 (chlorite common)

In addition a fourth less frequent group was identified in the southern part of the cavern:

E-W/30S

Ävrö

Fracture mapping over the Simpevarp region was carried out in 1987. Parameters recorded include: dip, strike, persistence (length), openness and filling (Ericsson, 1987)

The dominant fracture orientations in the general region are ca. N-S and N50W. A secondary orientation ca. E-W also occurs. The vast majority of fractures are vertical or steeply dipping (70-90o).

The first figure includes results of measurements from nine locations on Ävrö. A compilation of this data shows that E-W and N-S to N20E dominate. There are also secondary alignments centred on N50W and N40E.

The mapping work clearly shows that the Ävrö rock mass has fewer fractures per unit volume that the region in general. On the other hand the persistence values are generally higher (longer). The most open and conductive joints are judged to be oriented ca N-S and E-W with calcite and iron oxides as joint fillings. There appears to be a clear correlation between the dominating local joint orientations and the regional lineament orientations, N-S and E-W.

APPENDIX C

Data Inventory based on SKB reference list: Format and Coding

The following section includes a description and explanation of the various ***column titles*** and codes used in the excel (**bold** text) and GIS [text] datatables (Appendices E to H). The obscure field names in the GIS datatables are due to restrictions associated with the ArcGIS program.

Numbering format used:

ID	*[IDNR_T]*	
Example 1	ID7_3_005	***(Linked to GIS)***

ID7 — Identification Number taken from SKB's original reference list. The data referred to was sometimes a specific report, sometimes a group of reports and sometimes a general subject area such as O3 data.

_3 — This number refers to a figure selected from the report(s). In this case the third in a sequence. The figure has been scanned and georeferenced.

_005 — This number refers to a particular structure, e.g. a lineament in the figure. The structure, represented in the figure by an area, line or point has been digitised and included in the GIS database linked to the table.

Example 2 IDH_3_005

IDH — As for example 1, except that the use of a letter in this position in the ID number sequence represents a reference that was subsequently added to the original SKB list.

Example 3 ID7_3_d

-d — Here the use of a final letter instead of a number means that the ID refers to geophysical data. A measurement profile or low velocity point that has been digitised and included in the GIS database linked to the table.

Reference	[REF_T] Source report number and/description.
Data source	[DATSRC_T] Source of reference document, typically a company name.
Zone or lineament name	[ZNLNNM_T] Name of an interpreted structure, as used in the original reference.
Source	[SOURCE_T] Origin of data: e.g. geological mapping or geophysics.
Type	[TYPE_T] Type of structure: e.g. fracture zone or lineament; as used in the original reference.
Strike	[STRIKE_T] Strike of feature: compass direction and/or compass bearing (0-360).
Dip	[DIP_T] Dip of feature: 0-90 and a compass direction giving dip direction.
Width	[WIDTH_T] Width in m. Apparent widths indicated.
Mineralisation	[MINERS_T] Mineral infilling of fracture identified in the field:chlorite, calcite etc.
Clay	[CLAY_T] Indicates the presence of clay as an infilling identified in the field. Width and comment given if additional information is available.
Water	[WATER_T] Comments such as- dry, wet dripping with quantification if such information is available.
Style	[STYLE_N] Line styles on figures, Style column (***Linked to GIS***)
1	solid red line = mapping on surface or underground
2	red dash dot line = topo and/or geophysical indications supported locally by borehole or mapping evidence
3	red dash thick line = topo and/or geophysical indications-regional scale from Version =0
4	red dash thin line = topo and/or geophysical indications
5	blue line = geophysical profile
6	blue square = geophysical low velocity location
7	green dash dot line = topo and/or geophysical indications supported locally by borehole or mapping evidence (Irms Ävrö report)

8	green dash thin line = topo and/or geophysical indications (Irms Ävrö report)

MI_SELECT [MISELECT_T] Codes for data types, MI_SELECT column **(*Link to GIS*)**

ca,	CLAB, mapping underground
cb,	CLAB, topo and/or geophysical indications supported locally by borehole or mapping evidence
cc,	CLAB, topo and/or geophysical indications- regional scale from Version 0
cd,	CLAB, topo and/or geophysical indications
ce,	CLAB, geophysical profile
cf,	CLAB, geophysical low velocity location
cg,	CLAB, mapping on the surface
äa,	Ävrö-Hålö, mapping underground
äb,	Ävrö-Hålö, topo and/or geophysical indications supported locally by borehole or mapping evidence
äc,	Ävrö-Hålö, topo and/or geophysical indications- regional scale from Version =0
äd,	Ävrö-Hålö, topo and/or geophysical indications
äe,	Ävrö-Hålö, geophysical profile
äf,	Ävrö-Hålö, geophysical low velocity location
äg,	Ävrö-Hålö, topo and/or geophysical indications supported locally by borehole or mapping evidence, (R-01-06 Ävrö report)
äh,	Ävrö-Hålö, topo and/or geophysical indications, (R-01-06 Ävrö report)
äi,	Ävrö-Hålö, mapping on the surface
oa,	OI-III, mapping underground

	ob,	OI-III, topo and/or geophysical indications supported locally by borehole or mapping evidence
	oc,	OI-III, topo and/or geophysical indications-regional scale from Version 0
	od,	OI-III, topo and/or geophysical indications
	oe,	OI-III, geophysical profile
	of,	OI-III, geophysical low velocity location
	og,	OI-III, mapping on the surface

Borehole	[BOREHOLE_T] an X indicates the reference contains borehole information.
Interpreted zones	[INTPRZON_T] an X indicates the reference contains interpreted zones information.
Rocktype mapping	[RCKTYPMP] an X indicates the reference contains rock type mapping information.
Joint mapping, joint statistics	[JNTMAP_T] an X indicates the reference contains joint mapping, joint statistics information.
Geophysics	[GEOPHYS_T] an X indicates the reference contains geophysics information.
Groundwater	[GRNDWAT_T] an X indicates the reference contains groundwater information.
Grouting	[GROUTING_T] an X indicates the reference contains grouting information.
Deformation, in situ stress	[DEFINSIT_T] an X indicates the reference contains deformation, in situ stress information.
ÄVRÖ-HÅLÖ	[AVRHAL_T] X indicates the object is of geographical relevance to the Ävrö and Hålö area.
ÄVRÖ-HÅLÖ selected zone ref	[AVRHALZ_T] X indicates the object is an interpreted lineament or structure of geographical relevance to the Ävrö and Hålö area.
ÄVRÖ-HÅLÖ selected low velocity point	[AVRHALL_T] X indicates the object is a low seismic velocity anomally of geographical relevance to the Ävrö and Hålö area.
ÄVRÖ-HÅLÖ selected geophysical profile	[AVRHALG_T] X indicates the object is a geophysical profile of geographical relevance to the OI-III area.
OI-III	[OKG_T] X indicates the object is of geographical relevance to the OI-III area.

OI-III selected zone ref	[OKGZ_T] text X indicates the object is an interpreted lineament or structure of geographical relevance to the OI-III area.
OI-III selected low velocity point	[OKGL_T] X indicates the object is a low seismic velocity anomally of geographical relevance to the OI-III area.
OI-III selected geophysical profile	[OKGG_T] X indicates the object is a geophysical profile of geographical relevance to the OI-III area.
CLAB	[CLAB_T] X indicates the object is of geographical relevance to the CLAB area.
CLAB selected	[CLABZ_T] X indicates the object is an interpreted lineament or structure ***zone ref*** of geographical relevance to the CLAB area.
CLAB selected low velocity point	[CLABL_T] X indicates the object is a low seismic velocity anomaly of geographical relevance to the CLAB area.
CLAB selected geophysical profile	[CLABG_T] an X indicates the object is a geophysical profile of geographical relevance to the CLAB area.
Comments	[COMMEN_T] Description of the reference contents and other comments.

Text formats:

Text in table Comments column:

XXXX	Black text=text taken directly from the reference.
XXXX	Red text=comments by the author.
XXXX	Green text=text taken directly from one reference and then transferred to another location in the table to aid the description of a particular deformation zone or other feature.
XXXX	Blue text=refers specifically to geophysical data.

APPENDIX D

Selected scanned figures from the references used for the generation of the compilation drawings:

The following table contains the final list of figures from which digitised objects were taken in order to generate the GIS compilation data set of selected objects.

ID_Nr	Figure Title	Report Ref
B_1	Clab1, Reception building, foundation geomapping, 1982	Construction phase geological reports, RS Consulting
D_12	Ävrö, Seismic investigations, 1996	AR L-98-22, SKB
E_1	Simpevarp- site descriptive model version 0, 2002	Simpevarp regional model area, Version 0. (SKB draft report)
H_1	Ävrö, Hålö, seismic investigations to 1989	Tec' PM Nr. 25-89-003, SKB
H_2	Ävrö, Hålö geophysical investigations to 1988	Tec' PM Nr. 25-89-003, SKB
H_3	Hålö, geophysical investigations to 1989	Tec' PM Nr. 25-89-003, SKB
I_1	Ävrö, RVS model of Ävrö, 2001	R-01-06, SKB
1_1	Ävrö, Clab, compiled weakness zones, 1984	SKBF-KBS AR 8.4-14, SKB
1_2	Clab1, overview of fracture zones, 1984	SKBF-KBS AR 8.4-14, SKB
4_1	OIII, reactor building, geomapping, 1980	O III. Geomapping, final report
6_1	Hålö, seismic profiles S8701-06, 1988	SKB PR-87-15
8_3	OIII, intake-tunnel part 1 geomapping, 1981	O III. Geomapping, final report
8_4	OIII, intake-tunnel part 2 geomapping, 1981	O III. Geomapping, final report
8_5	OIII, diesel building, geomapping, 1981	O III. Geomapping, final report
8_6	OIII, turbine building, geomapping, 1981	O III. Geomapping, final report
8_8	OIII, tailrace tunnel, geomapping, 1981	O III. Geomapping, final report
8_9	OIII, emergency cold water tunnel, geomapping, 1981	O III. Geomapping, final report

8_11	OIII, intake tunnel part 1, geomapping, 1981	O III. Geomapping, final report
9_1	Clab, site investigations , 1978	PR-97-06, SKB
9_3	Clab 2, seismic investigations 1995 and 1997	PR-97-06, SKB
9_5	Clab, rock type and lineament mapping, 1995	PR-97-06, SKB
9_6	Clab, geological model, 1997	PR-97-06, SKB
9_7	Clab1, geomapping of excavations, 1997	PR-97-06, SKB
11_1	OIII, intake, marine seismic and BH investigations, 1980	Report on seismic investigations at OIII, Roy Stanfors,
11_2	OIII, intake, marine seismic and BH investigations, 1980	Report on seismic investigations at OIII, Roy Stanfors,
14_3	Clab2, geomapping of excavations, 2001	Project PM TP-01-02, PPM 97-3450-12, PPM 97-3450-15, SKB
15_3	OI, tailrace tunnel, geomapping, 1969	Oskarshamnsverken. Roy S.
15_4	OI, intake tunnel , geomapping, 1969	Oskarshamnsverken. Roy S.
16_3	Clab1, geomapping of excavations, 1982	Tekn.PM 25-87-019, SKB
21_3	Ävrö, Hålö, interpreted deformation zones, 1987	PR-25-87-16, SKB
59_1	OII, intake tunnel , geomapping, 1969	OII, Doc Nr 9011-4.8, OKG
63_1	OIII, ground investigations, 1980	A3359, VBB
73_1	Ävrö, Hålö, investigations for potential clab site, 1978	Report 7093503, Hagconsult

A blue ID number indicates geophysics content

100m Coordinate grid shown on each drawing - RT90

APPENDIX E

O1 to O3 Selected structures *(-see attached CD)*

The following table represents a subset of the main data set. The selection is based on geographical location.

Microsoft Excel
kalkylblad

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)																					x			x	x			x	x			Figure 4-6 Lineaments and fracture zones (local major and regional) at the surface
E_1_006	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data	Local major or regional lineament	NW						3	ac,oc,									x	x			x	x								
E_1_014	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	E-W						3	oc,cc,													x	x			x	x				
E_1_016	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004A0	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, Äspö tunnel	Local major or regional fracture zone	NE (035-080)	60-70 SE	50-200m indicated by magnetic data.				3	ac,oc,									x	x			x	x								
E_1_020	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	W-E						3	ac,oc,									x	x			x	x								
E_1_021	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NNW-SSE						3	oc,cc,									x				x	x			x	x				
E_1_022	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW-SE						3	oc,cc,													x	x			x	x				
E_1_035	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S till NE						3	ac,oc,									x	x			x	x								
4_1	OIII 'Ritning nr 30-92-33	Reidar Hoffner													x	x	x										x							O III Reactor building geological mapping of the floor and walls, see ID8 for other mapping.
4_1_001	OIII 'Ritning nr 30-92-33	Reidar Hoffner		excavation mapping	shear zone	ENE	75N	1m crushed aplite dyke	Chlorite on northern limit	Clay layer on northern limit		1	oa,													x	x								
4_1_002	OIII 'Ritning nr 30-92-33	Reidar Hoffner		excavation mapping, zone continues eastwards as a linear depression over OIII area	shear zone	N70E	65S	4-5m	10cm wide gouge with Calcite, chlorite and locally clay	Clay locally	Minor leakage locally	1	oa,													x	x								

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
4_1_003	OIII 'Ritning nr 30-92-33	Reidar Hoffner			shear zone	N40E	75E,	0.5-1.5m altered granite, aplite and pegmatite 'compact'	chlorite and calcite 5-10cm wide filled joints	5-10mm clay locally along a 10m long section	dry	1	oa,													x	x								
8_3	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x								x	x							O III intag-tilloppstunnel del 1 kartering av schaktväggar (intake tunnel part 1, mapping of walls)
8_3_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Fallsviken shear zone	Excavation mapping	shear zone	W-E	40S	2m brecciated zone,		incl. 5-8cm clay layer		1	oa,													x	x							
8_3_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	W-E	80N to 90	0.5-5m	chlorite gouge along boundaries	minor clay		1	oa,													x	x							
8_3_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	W-E	80N	2m				1	oa,													x	x							Krosszon, bredd 2m, strykning V-O, stupning 80 N
8_4	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x								x	x							O III intake tunnel part 2 geological mapping
8_4_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	ENE	70S	5-10cm	Chlorite, calcite	Clay test		1	oa,													x	x							
8_4_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	20N		Pegmatite, chlorite and calcite			1	oa,													x	x							
8_4_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	65S	5-7m		part clay alteration	leakage < 2 l/min	1	oa,													x	x							
8_4_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	W-E	90	0.5-1m	Chlorite	Clay		1	oa,													x	x							'Turbinsköl en', 0.5-1m bred kloritsköl med lera, strykning V-O, stupning subvertikal.
8_4_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	ESE	50S		Chlorite, calcite			1	oa,													x	x							Sköl, klorit, kalcit, strykning OSO, stupning 50 S
8_5	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x								x	x							O III dieselbyggnad geokartering av schaktväggar (deisel building, geomapping of excavation walls)
8_5_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	NE	90	0.5m max	Chlorite	Clay		1	oa,													x	x							'Turbinsköl en'. -should link up with ID 8_4_004
8_6	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone										x	x	x								x	x							O III området runt svallschaktet, geokartering av schaktväggar (surge chamber, geomapping of walls)
8_6_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90 to 85S	1m max	Chlorite, intense schistosity	Clay		1	oa,													x	x							ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinsköl en' and should tie up with ID8_4_004 and 8_5_001.
8_6_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	85S	1m max	Chlorite, intense schistosity	Clay		1	oa,													x	x							ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinsköl en' and should tie up with ID8_4_004 and 8_5_001.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Oi-III	Oi-III selected zone ref	Oi-III selected low velocity point	Oi-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
8_7	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x									x	x							O III turbinbyggnad, området runt turbinfundament, geokartering av schaktbotten- not possible to localise/georeference
8_8	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG										1	oa,		x	x	x									x	x							O III utloppstunnel geokartering (OIII tailrace tunnel geo' mapping)
8_8_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90 to 85S	0.5-1m	Chlorite	Clay		1	oa,													x	x							This zone, along with ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinskölen' and should tie up with ID8_4_004 and 8_5_001.
8_8_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	aplite, shear zone?	NE	90	7m apparent width, brecciated				1	oa,													x	x							
8_8_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NE	70S		Pegmatite	Clay		1	oa,													x	x							
8_8_006	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	90		Chlorite	Clay		1	oa,													x	x							
8_9	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping								1	oa,		x	x	x									x	x							O III nödkylvattentunnel geokartering (emergency cold water tunnel)
8_9_007	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping		SE	50S		Calcite, chlorite	Clay		1	oa,													x	x							
8_9_008	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	weathered aplite, shear zone?	SSE	45S	1-1.5m	Chlorite			1	oa,													x	x							
8_9_009	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	aplite, shear zone?	SSE	80E		Calcite, chlorite			1	oa,													x	x							
8_9_010	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	weathered aplite dyke with shear zone	ESE	90	apparent width 2m	Chlorite			1	oa,													x	x							
8_9_011	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90				damp, dripping	1	oa,													x	x							Turbinskölen' This zone, along with ID8_8_003, ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinskölen' and should tie up with ID8_4_004 and 8_5_001.
8_9_012	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	minor shear zone	ENE	90					1	oa,													x	x							
8_11															x	x	x									x	x							O III tilloppstunnel del 1 geokartering (OIII intake tunnel part 1 geomapping)
8_11_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	50W	5-10cm	Chlorite, calcite			1	oa,													x	x							5-10cm bred sköl, med klorit, kalcit. Strykning NNO, stupning 50 V
8_11_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	N	50W	5-10cm	Chlorite, calcite			1	oa,													x	x							5-10cm bred sköl, med klorit, kalcit. Strykning N, stupning 50 V
8_11_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NNE	40W	2m brecciated apparent width	Chlorite	Clay (test13)		1	oa,													x	x							2m total apparent bred lersköl & krosszon , med klorit, lerslag. Strykning NNO, stupning 40 V, lerprov 13. Bergutfall

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
8_11_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NNE	70E		Chlorite, calcite, applite dyke			1	oa,														x	x						Mindre krosszon med aplit och klorit- kalcit skölar, Strykning NNO, stupning 70 O
8_11_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NE	65N	10m apparent width, locally highly	Chlorite, applite		moderately water bearing	1	oa,														x	x						Zon med, klorit, uppkrossad aplit, lokalt mycket vittrad och ngt. vattenförande, berg utfall, strykning NO, stupning 65N. Apparent bred på ritning ca. 10m
8_11_006	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	ENE	70N	0.5m	Chlorite, calcite	Clay (test10)	dripping	1	oa,														x	x						0.5m bred kloritsköl Strykning ONO, stupning 70 N, vattenförande (droppande), klorit, kalcit, lera, lerprov 10
8_11_007	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	75N	1m	Chlorite	minor clay	dripping	1	oa,														x	x						Ca. 1m bred kloritsköl med mindre lerinslag, vattenförande (droppande), klorit, strykning NO, stupning 75 N
8_11_008	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	90		Chlorite			1	oa,														x	x						Kloritsköl, strykning NNO, stupning vertikal
8_11_009	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Brecciated, blocky Aplite, shear zone?	NNE	70-85S		limonite		locally dripping	1	oa,														x	x						Delvis uppkrossad och småblockig applitzon och mindre limonitbelagdaslag, vattenförande (lokalt droppande), Strykning NNO, stupning ca. 70-85S
8_11_010	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NE	90		Chlorite, calcite		dripping	1	oa,														x	x						Aplitgång, kloritsköl, kalcit, vattenförande (droppande), strykning NO, stupning subvertikal
8_11_011	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping and a 20-40m wide lineament (depression) on the surface	'disturbed zone'			Apparent width in the tunnel=110m with increased jointing and numerous aplite	Chlorite, calcite, partly weathered	Clay (test 8)		1	oa,														x	x						'Störd' zon med Ökad spricklighet och stort inslag av applitgångar med ler och kloritskölar, kalcit i sprickor och inneslutningar. Berget delvis vittrad. Början av zonen ligger under 20-40m bred sänka i dagytan, apparent length of zone along tunnel = 110m
8_11_012	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping and a 20-40m wide lineament (depression) on the surface	Aplite, shear zone?	ENE	85S	1m partly brecciated, plus 5m with 10-20cm wide platy structue	Chlorite, calcite			1	oa,														x	x						Ca. 1m bred aplitgång, delvis krossad, med intilliggande kalcit- kloritsköl norr om applitgången ca. 5m skivigt parti med 10-20cm skivtjocklek, strykning ONO, stupning 85S
15_2	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x						Oskarshamn power station, geological fieldmappingaround OI, 1:1000, (1969)
15_2_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)																								x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone
15_2_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE	80 S																			x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike EO, dip 80 S
15_2_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE																				x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike NE
15_2_004	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE
15_2_005	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	N-S																				x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike N-S
15_2_006	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x						Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Oi-III	Oi-III selected zone ref	Oi-III selected low velocity point	Oi-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
15_2_007	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	SE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone SE
15_2_008	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_009	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone W-E
15_2_010	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_011	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_012	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_013	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_014	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_015	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_016	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE
15_2_017	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_018	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	NW																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike NW
15_2_019	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	NW																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike NW
15_2_020	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike ENE
15_2_021	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike W-E
15_2_022	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike NE
15_3	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x							Oskarshamns powerstation I, tailrace geomapping, major structures, plan and profile (1969)
15_3_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	ENE	Vertical	1-5cm	Chlorite gouge		dripping	1	oa,													x	x							

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
15_3_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	ENE	40 S	>5cm	Chlorite gouge	clay	dripping, ID57 : moderately water bearing	1	oa,														x	x							(ID15_3_002+003) , these three gouge filled fracture zones with surrounding bad rock have generated well developed topo depressions
15_3_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	N-S	80W	>5cm	Chlorite gouge	clay	dripping; ID57 moderately water bearing	1	oa,														x	x							(ID15_3_002+003),these three gouge filled fracture zones with surrounding bad rock have generated well developed topo depressions
15_3_004	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Complex zone	ENE	80S	Complex zone, 8m total width, including two parallel crushzones with widths in the range of 0.1-1.0m and a chlorite and clay shear zone with a width >5cm,	Chlorite gouge	clay		1	oa,														x	x							
15_3_005	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	N-S	Vertical to 70W	1-5cm	Chlorite gouge	clay	dripping	1	oa,														x	x							
15_4	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x							Oskarshamn power station I, intake tunnel mapping, major structures, plan and profile (1969)
15_4_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Breccia with chlorite filled fracture zone	W-E	70S	<0.1m	chlorite gouge		dripping	1	oa,														x	x							Brecciated zone <0.1m wide, with chlorite gouge, dripping, strike W-E, dip 70S
15_4_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)	''Red zone'		altered zone	NE	15SE	15m apparent width	red alteration		dripping	1	oa,														x	x							'Red zone' altered joint group, 15m apparent width, strike NE, dip 15 SE, water dripping,
15_4_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Breccia	NNW	40E	<0.1m				1	oa,														x	x							Brecciated zone, <0.1m width, strike NNW, dip 40E
59_1	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)													x	x	x		x							x	x							OII intake tunnel geo mapping. General comments from the text: fracture frequency is moderate. Brecciated zones consist of broken and generally with chlorite, calcite and clay alteration. These minerals are common in the gouge filled fractures. Red zones
59_1_001	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	fracture zone	ESE	20S	1m	gouge of chlorite and clay,	gouge of chlorite and clay,	dripping	1	oa,														x	x							
59_1_002	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	"Red zone'	ENE	80S	ca. 5m, brecciated along the northern	chlorite	clay	dripping	1	oa,														x	x							Brecciated along the northern boundary,
59_1_003	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	Complex, compound zone	NE	70E	total width ca. 2-3m; crush zone >1m wide, joint swarm 2m wide, crosscuting chlorite, calcite and clay shearzone,	chlorite, calcite	clay	dripping	1	oa,														x	x							
59_1_004	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	"Red zone'	SE	75N	ca. 10-15m		clay gouge on southern boundary,	dripping	1	oa,														x	x							

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
59_1_005	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	Brecciated zone	ENE	60S	0.1-1m class	chlorite, calcite,	clay,	dripping	1	oa,													x	x						
63_1	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980												x	x			x								x	x		x				Plan layout, ground investigations, hammer hole soundings, rockhead soundings incl. seismic profile alignments (interpretation as per ID63_2 to 4 and larger interpreted fracture zones (based on Hagkonsult 1975)),
63_1_001	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		WNW						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_002	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_003	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_004	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_005	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_006	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_007	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drilling information.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping / joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_008	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_009	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		NE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_010	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_011	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_012	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_013	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_014	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drilling information.
63_1_015	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		E-W to SE						1	od,													x	x						unclear if supported by local mapping and drilling information.
11_1	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors												x				x								x		x					Seismic reflection survey plan incl. Velocity values O III, 1980, deep wate intake and intake tunnel

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
11_1_001	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										6	of,													x		x						Low velocity points on seismic profile P3
11_2_001	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										6	of,													x		x						Low velocity point on seismic profile P10
11_1_a	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P1
11_1_b	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P2
11_1_c	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P3
11_1_d	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P4
11_1_e	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profileP5
11_1_f	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P6
11_2	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x		x	x					Additional seismic reflection, plan incl. velocities O III, deepwater and intake tunnel
11_2_a	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P7
11_2_b	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P8
11_2_c	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P9
11_2_d	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x					Seismic profile P10
63_1_a	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S101
63_1_b	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S102

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_c	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S103
63_1_d	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S104
63_1_e	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S105
63_1_f	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S106
63_1_g	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S107
63_1_h	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S108
63_1_i	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S109
63_1_j	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S110

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_k	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profileHagkonsult P2
63_1_l	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile Hagkonsult P5
63_1_m	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile Hagkonsult P6

APPENDIX F

Clab Selected structures *(-see attached CD)*

The following table represents a subset of the main data set. The selection is based on geographical location.


Microsoft Excel
kalkylblad

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
B	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting												x	x	x	x		x											x	x			Clab 1 byggnadsgeologiskuppfölning av transporttunnel, bergschakt ovan jord och förvaringsbyggnad (text beskrivning) E modul, begränsad vattenförlustmätning i D101 till D112 (korta BH, plan finns), deformationsmätningar men flera detaljer i IDC; ler analy
B_1	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)											x	x	x												x	x			CLAB1 IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_001	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	krosszon (brecciated zone)	N58E	75S	(shown as approx 2m wide on drawing),		Clay analysis dominated by chlorite		1	cg,																		x	x			Green schist; the rock is closey jointed in the vicinity of the brecciated zone. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_002	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N68E	90					1	cg,																		x	x			Minor structure. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSE WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_003	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N68E	90					1	cg,																		x	x			Minor structure. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_004	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N48E	70S			Clay analysis dominated by		1	cg,																		x	x			Clay analysis:green completed weathered rock, easily crushed with a pestle, dominated by chlorite. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_005	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N70E	75S					1	cg,																		x	x			IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_006	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N70E	80S					1	cg,																		x	x			IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
E_1	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)																					x			x	x			x	x			Figure 4-6 Lineaments and fracture zones (local major and regional) at the surface
E_1_014	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	E-W						3	oc,cc,														x	x			x	x			
E_1_021	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NNW-SSE						3	oc,cc,										x				x	x			x	x			
E_1_022	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW-SE						3	oc,cc,														x	x			x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_024	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	SW-NE						3	cc,																	x	x			
E_1_026	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	SW-NE						3	cc,																	x	x			
1_1	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB												x	x							x								x	x			Figure showing Ävrö and CLAB fracture zones and sketch cross sections.
1_1_002	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Clab1, Zone 5	topo, seismic and structural geological evidence	probable weakness zone	N 30 W					classed as moderately water bearing	4	cd,																	x	x			CLAB 1, Zon 5, (same zone/lineament as IDB_5_003, IDC_1_002, ID16_1_022, and ID 73_3_005) According to IDC_1_002 probable minor weakness zone, ID_73_005 seismic or structural geologically indicated judged as moderately water bearing.
1_2	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB												x	x															x	x			Översiktskarta visande sprickzoner och borrhålslägen inom CLAB området-ref till tabell 4.3 . (Map showing fracture zone and BH positions in the CLAB area, combining both investigation results and excavation mapping for Clab1) ID16_3 better source of infor
1_2_003	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 4	tunnel mapping with major lateral extension		N40E	90	2m breccia zone with blocky rock and brecciated pegmatite	incl. brecciated pegmatite	cm thick clay layers locally	Dripping water locally	2	cb,																	x	x			
1_2_004	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 5	Topo		N30W						4	cd,																	x	x			CLAB 1, Zon 5. Zonens förlopp är markerat av avlånga sänkor i terrängen i NV-SE-lig riktning. Strykning 30 V. Från flygbildstolkning
9_5	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997														x	x													x	x			Plan of - rock types, lineaments and joint statistics

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_5_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 2	Topo, geophysics -low velocity points(<4000m/s) along profiles LS110-12 and LS106-07	lineament,	NE- ENE		5-10m	red alteration			4	cd,																	x	x			
9_5_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 4	Topo	lineament,	NW-SE						4	cd,																	x	x			
9_5_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 5	Topo, seismic low velocity points along LS109--12 coincide with lineament	lineament,	NNE-SSW						4	cd,																	x	x			
9_5_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 6	Topo, seismic low velocity points along LS109--12 coincide with lineament	lineament,	ENE-WSW						4	cd,																	x	x			
9_5_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 7	Topo	lineament,	NE-SV						4	cd,																	x	x			tolkade lineament, eventuella svaghetszon, baserad på topografi, viss rödfärgning längst lineament, men ingen mylonite eller ökad uppsprickning av berget
9_5_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 3	Topo	lineament,	ENE-WSW						4	cd,																	x	x			
9_5_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier		Topo	lineament,	W-E						4	cd,																	x	x			
9_5_008	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 1	Topo	lineament,	ENE-WSW						4																		x	x			
9_6	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB												x	x			x												x	x			Plan- geological model with fracture zones -1997 **KEY CLAB FIGURE(but pre excavation) topo/seismik/BH indikerad**
9_6_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ1, coincides with CLAB Zone 1	topo, seismic, 2 drillholes KS128, KS101 (=D1, 1978). HS103	weakness zone	N60E	60-70 SSE	Shown on drawing with apparent width of 15m. Verified by drilling with width judged as 10-20m Acc. ID1_1 CLAB 1, Zon 1: true width	red alteration, mylonite	clay locally	higher K värde i KS128. Zone generally tight. Hydraulic tests in HS103 and KS128 indicate T= 10-8 - 10-7 m2/s (low).	2	cb,																	x	x			Probable fracture zone location at ground surface, SZ1 (incorporates low velocity points from ID9_3), coincides with CLAB Zon 1, Acc. ID_D (AR L-98-24) width judged to be 10-20m. Enligt ID1_1 CLAB 1, Zon 1, rock is schistose closely jointed with red alte

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_6_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ6	Topo, seismic and boreholes HS104 and KS129	Probable fracture zone	Irregular but generally N-S	Seismic + BH indicate 60-70ENE	Zones western limit is not fixed. Shown on figure with apparent width 20-40m. Described in the boreholes as consisting of a number of brecciated sections			In HS104 och KS129, partly strongly water bearing T= 1.5x10-3 m2/s. Geohydro 95/97, pump testing indicates SZ6 has T=1.5 x10^{-3} m^2/s	2	cb,																x	x			(incorporates low velocity points from ID9_3)
9_6_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ7	Topo, seismic, drilling KS128 at 35-45m,	Lineament, possible fracture zone						No increased K noted	2																		x	x			
9_6_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB Zone 2	Drilling KS102 (earlier called D2), seismic profiles S7804 and S7805 (renamed LS104 and LS105). No clear topo lineament.	Lineament, possible fracture zone	N 50 (ID1_1_005)	75 V (ID1_1_005)	verklig bredd 10m				2																		x	x			Note: No core losses or clear tecttonising i borehole log; no clear topo lineament. Conclusion- since the 4 drillholes carried out to localize this Z2 zone only showed isolated water bearing fractures and decimeter wide breccia zones there is no reason t
9_6_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB "Skjuvzon"		Lineament, possible fracture zone	ENE						4	cd,																	x	x			
9_6_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ3, coincides with 'CLAB Zon 3	documented in tunnel to Clab1, topo and seismic confirm westerly extension. HS105	Probable fracture zone	ENE. ID_1_2_002: Water leakage noted along the zone. Strykning N75O, stupning 65S, verklig bred 6m	80 SSE in tunnel. Acc. ID_D (AR L-98-24), dip 90. ID_1_2_002: 65S	Acc ID_D (AR L-98-24), width 5m. Acc ID_1_2_002: CLAB 1, Zon 3, 8m total width in transport tunnel with 2m breccia blocky section and 2m wide section with intense schistosity. ID_1_2_002: true width 6m		ID_1_2_002 : cm wide clay layers	HS105 indicates water bearing fractures with T= 1x10-5 m2/s. Moderately water bearing. ID_1_2_002: Water leakage noted along the zone. Strykning N75O, stupning 65S, verklig bred 6m	2	cb,															x	x			(incorporates low velocity points from ID9_3),
9_7	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB																												x	x			CLAB1, mapping of existing excavation/plant
9_7_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m Acc. ID_D_5 <2m				1	ca,																	x	x			
9_7_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m				1	ca,																	x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_7_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																		x	x			
9_7_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																		x	x			
9_7_009	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m				1	ca,																		x	x			
9_7_010	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																		x	x			
9_7_011	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																		x	x			
14_3	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,													x		x													x	x			Fracture mapping of the CLAB2 cavern and transport tunnel (summary plot)
14_3_001	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	60N	1m		2-5 nr. 10mm wide clay layers	dripping	1	ca,																		x	x			The zone is an older plastic shearzone which has been repeatedly reactivated.
14_3_002	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	45-60N	1m		1-20mm wide clay later	vatten dropp	1	ca,																		x	x			
14_3_003	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE	45N	shown with apparent thickness 1-1.5m				1	ca,																		x	x			
14_3_004	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE	40N	shown with apparent thickness 0.5m				1	ca,																		x	x			
14_3_005	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	85S	shown with apparent thickness 0.3-0.5m				1	ca,																		x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
14_3_006	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N60E	80 S	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_007	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N200E	85 N	shown with apparent thickness 0.5-1.0m				1	ca,																x	x			
14_3_008	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N60E	70-75S	4-5m width, (apparent thickness 3.5m)	Chlorite, iron quartz, calcite, pyrite	thin clay layers (non swelling)	Main waterinflow to CLAB2, total 5-10 l/min	1	ca,																x	x			CLAB2 Skjuvzon, generally has older plastic character with only slightly lower seismic velocity than the surrounding rock. The later part of the zone H4/053-V4/058 has a markedly lower velocity due to chlorite, clay etc. Mylonite. 5/015-5/020, consists o
14_3_009	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE-SW	60E	20cm	mylonite, deformed grainitic dykes, chlorite and maganese hydroxide			1	ca,																x	x			
14_3_010	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NE		shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_011	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NNE	80W	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_012	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	N-S	75W	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_013	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NE	45S	shown with apparent thickness 3.5m				1	ca,																x	x			
16_3	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors													x	x	x													x	x			Kartering, CLAB1, transport tunnel. Better quality copy taken from SYCON file, excluded 'cut and paste' CLAB1 bergrum mapping, instead use ID9_7 for the bergrum.
16_3_001	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors		Clab 1 Mapping	gouge filled fracture	NW-SE,	30NE	(shown with an apparent width of <1m on the drawing)				1	ca,																	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_3_002	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Zone 4	Clab 1 Mapping	brecciated zone of blocky rock, a broken pegmatite dyke and gouge along S boundary.	ID1_1_004 : N 40E,	90 The slope on the walls of the tunnel mapping indicates that zone is not vertical.	2m (brecciated zone shown with an apparent width of approx' 1.5m on the drawing and the sköl with an apparent width of approximately 1m) ID9_7_001, ritad med apparent thickness 1.5m.		cm- wide gouge bands. From IDB Clay test CLAB003; mixed layer illite, chlorite and montmorillonite with weak swelling potential.	dripping	1	ca,																	x			(same as ID9_7_001, ID1_1_004 CLAB 1, Zon 4,)
16_3_003	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Zone 3,	Clab 1 mapping	Brecciated blocky zone (2-3m apparent width) with a schistose zone (2-3m apparent width) along S boundary.	ID1_1_003: N 75E,	ID1_1_003: 65 S	Brecciated blocky zone (2-3m apparent width) with a schistose zone (2-3m apparent width) along S boundary. ID1_1_003: c. 8m, elsewhere true width quoted as 6m (same zone as ID9_7_014, there mapped as approx' 5m wide (apparent width), the krosszon and the		IDB:cm-wide clay bands	IDB: dripping water, locallt running water, max 11l/min, 30% seawater (700mg Na/l), water inflow reduced in a few hours to 1.5 -2 l/min), a further two tests showed no presence of sea water 32-50 mg Na/l. (The higher initial flow was thought to be due to	1	ca,																	x			
16_3_004	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	W-E	45S	ID_D_5: <2m, ID_9_7 and ID16_3 with an apparent width of approx 0.5m)	Chlorite		Dripping	1	ca,																	x			(same zone as ID_9_7_002), Enligt ID_D_5 breddet är mindre än 2m (shown on ID_9_7 and ID16_3 with an apparent width of approx 0.5m)
16_3_005	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	NNW		ID_D_5 :<2m, ID_9_7 with an apparent width of approx 0.5m. Acc. ID1_2_009: <0,3m	Chlorite			1	ca,																	x			(same zone as ID9_7_013), Enligt ID_D_5 breddet är mindre än 2m, Enligt ID1_2_009 Rörelseplan (sköl) <0,3m bredd, CLAB 1 tunnel.
16_3_006	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	NNW		ID_9_7 with an apparent width of approx 0.5m	Chlorite			1	ca,																	x			(same zone as ID9_7_012)
16_3_007	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	ESE		ID_9_7 : apparent width of approx 0.5-1.0m). Acc. ID1_2_008 shear zone <0,3m				1	ca,																	x			(same as ID9_7_008), (info' från IDB: förkastning med dm-stora rörelse) (shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_008 Rörelseplan (sköl) <0,3m bredd,

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_3_008	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	W-E		ID_9_7 : apparent width of approx 0.5-1.0m). Acc. ID1_2_007 <0,3m				1	ca,																			x			(shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_007 Rörelseplan (sköl) <0,3m bredd,
16_3_009	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	N-S	80E	ID_D_5 :< 2m, ID_9_7 apparent width of approx 0.5-1.0m). Acc. ID1_2_006 <0,3m				1	ca,																			x			(same as ID9_7_007), (info' från IDB: förkastning med dm-stora rörelse). Enligt ID_D_5 breddet är mindre än 2m (shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_006 Rörelseplan (sköl) <0,3m bredd,
9_1	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.												x				x												x		x	x	Situationsplan med 1978 års undersökningar- seismik profiler, låghastighetszoner borrhållägen visas
9_3	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.																x												x		x	x	Plan of seismic profiles from 1995 and 1997, low velocity positions
9_1_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 1, geophysics, seismic, low velocity zones <4000m/s, profile LS104 (78), previously named S7804
9_1_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 1, geophysics, seismic, low velocity zones <4000m/s, profile LS102 (78), previously named S7802
9_3_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_3_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_3_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_3_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_008	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_009	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_010	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_3_011	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_012	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_013	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_014	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_015	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_016	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_017	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_018	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_019	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_020	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_021	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_022	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_023	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_024	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_025	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_026	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_027	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_028	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_3_029	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_030	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_031	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_032	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_033	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_034	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_035	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_036	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_1_a	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 101 (78), previously named S7801
9_1_b	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 102 (78), previously named S7802
9_1_c	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 103 (78),previously named S7803
9_1_d	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 104 (78), previously named S7804
9_1_e	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 105 (78), previously named S7805
9_3_a	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS106 (95)
9_3_b	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS107 (95)
9_3_c	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS108 (95)
9_3_d	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS109 (95)
9_3_e	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS110 (95)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ot-III	Ot-III selected zone ref	Ot-III selected low velocity point	Ot-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_3_f	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS111 (95)
9_3_g	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS112 (95)
9_3_h	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																	x			x	Seismic profile LS135 (97), profile length modified after ID 9_16

APPENDIX G

Ävrö and Hålö Selected structures *(-see attached CD)*

The following table represents a subset of the main data set. The selection is based on geographical location.


Microsoft Excel
kalkylblad

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)																					x			x	x			x	x			Figure 4-6 Lineaments and fracture zones (local major and regional) at the surface
E_1_002	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0007A0, SFZ14	combination of airborne geophysical (magnetic and VLF), ground geophysics and topographic data	Local major or regional fracture zone	345	90	50-100m indicated by magnetic data.				3	ac,										x	x										
E_1_003	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	W-E						3	ac,										x	x										
E_1_006	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data	Local major or regional lineament	NW						3	ac,oc,										x	x			x	x						
E_1_008	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data	Local major or regional lineament	W-E						3	ac,										x	x										
E_1_009	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0006A0, SFZ12, NE-1	topo, airborne magnetic, ground geophysics, boreholes KAS09, 14, 16 KBH02, & äspö tunnel	Local major or regional fracture zone	40	70NW	5-10m intense fracturing and/or alteration indicated by VLF and borehole or tunnel information. 50-100m indicated by magnetic				3	ac,										x	x										
E_1_012	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S till NW						3	ac,										x	x										
E_1_013	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	XSM0001A0	combination of geophysical and topographic data)	Local major or regional lineament	NE						3	ac,										x	x										
E_1_015	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW-SE						3	ac,										x	x										

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_016	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004A0	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, Äspö tunnel	Local major or regional fracture zone	NE (035-080)	60-70 SE	50-200m indicated by magnetic data.				3	ac,oc,									x	x			x	x							
E_1_017	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S						3	ac,									x	x											
E_1_018	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004B0, SFZ05	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, borehole KAV01 (Ä-1)	Local major or regional fracture zone	NE (040-060)	60-70 SE	50-200m indicated by magnetic data.				3	ac,									x	x											
E_1_019	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004B0, SFZ05	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, borehole KAV01 (Ä-1)	Local major or regional fracture zone	NE (040-060)	60-70 SE	50-200m indicated by magnetic data.				3	ac,									x	x											
E_1_020	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	W-E						3	ac,oc,									x	x			x	x							
E_1_023	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament							3	ac,									x	x											
E_1_034	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW						3	ac,									x	x											
E_1_035	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S till NE						3	ac,oc,									x	x			x	x							
I_1	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB													x							x	x											Figure 3-4, Model version 3, surface location of interpreted zones on and around Ävrö
I_1_001	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z13	seismik	zone/structure	225	57	100				8	ah,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_002	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z14	ytkartering, seismik, BH KAV01,KAV03	zone/structure	95	49	50				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_003	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z15	seismik, BH KAV01, KAV03, HAV07	zone/structure	64	36	50				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
I_1_004	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z19	ytkartering/topo, seismik, BH KAV01,	zone/structure	355	60	40				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_005	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSb	BH KAV01, KAV03	zone/structure	258	6.5	7				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_006	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSc	BH KAV01, KAV02 KAV03,	zone/structure	258	3.5-6.5	10			higher K in BHs	7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_007	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSd	BH KAV01, KAV02 KAV03,	zone/structure	258	5	2			higher K in BHs	7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_008	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Zse	BH KAV01, KAV02 KAV03, HAV07, topo	zone/structure	258	5	8				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
I_1_009	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSf	BH KAV01, KAV03, topo	zone/structure	258	3.5	2				7	ag,									x	x											Note that a digital 3D structural geological model exists in RVS version 3
J1	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive													x				x			x	x											Original digital source of mapping data from the Äspö underground hard rock laboratory access tunnel
J1_001	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive	Serial nr.5, 6.& 7. Z6, Z8, Z9, Z0, Z1, Z2 & Z3	tunnel mapping, SA0254B, SA0267G, SA0267F, SA0271B, SA0285G, SA0289A, SA0289B, SA0293F, SA0311A, SA0311B, SA0344A, SA0344B, SA0361A,	Compound fracture zone	southernmost branch, 100. Northernmost branch 210	southernmost branch, 40. Northernmost branch 90	total apparent width= ca. 100m. But individual sub branches: 8.6, 31.3, 12.6m	Epidote, chlorite, calcite, fe oxides, quartz	clay in central section, see J1_002	5 liters/min. Required grouting in central section, see J1_002. Ca. 0.5 liters/min in outer branches	1	aa,									x	x											A heavy fracture zone built up of three branches is documented at approx. 0/270-0/370m. The southern most branch is low dipping to the south, the other two are almost vertical. see IDJ_1_002, For the central branch, which is clayey and most intense, there
J1_002	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive	Serial nr. 6. , Z8, Z9, Z0, Z1	tunnel mapping, SA0285G, SA0289A, SA0289B, SA0293F, SA0311A,	Compound fracture zone	65	75	31.3	chlorite, calcite, fe oxides, quartz	clay	5 liters/min. Required grouting	1	aa,									x	x											The central branch of IDJ_1_001: the central branch, which is clayey and most intense, there was a need for support and pregrouting- this branch occurs at approx. 0/300-0/330m. Geometric details taken from PR25-95-20, Appendix 3, Fracture zone catalogue.
21_3	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.														x	x		x				x	x											Ävrö geophysical interpretation '87 -very high frequency of fracture zones.
21_3_010	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 14	airborne geophysics		N70W-90W		apparent 80m				4	ad,									x	x											Zon 14, identified by airborne geophysics, strike N70-90W

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_011	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 15. From IDD13_002: seismic reflection survey 1997 Zone B. From ID1_1_007: Zone 1	geophysics. From IDD13_002: seismic reflection survey 1997, correlates with brecciated zone 400-500m in KAV01		N70E-90E, From ID1_1_007: N 75 E	From IDD13_002: 35 S, From ID1_1_007: 85S	apparent 75m				4	ad,										x	x												Zon 15, identified by ground surface geophysics, N70-90E
21_3_012	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	From RS Consulting IDD_13_001	Zone 16	geophysics, BH AV1, AV3, Hav 3 From IDD_13_001: geophysics, BH KAV01 (AV1) between 418-578m and in KAV03, between 157m and bottom (249m). Hydrotests show that it is intercepted by HAV03.	From IDD_13_001: fracture zone	N10E-10W, in text as Strike N5W. From IDD_13_001: N5W	40 ° W. From IDD_13_001: 40 W	apparent 175m, 'at least 120m' true thickness. From IDD_13_001: 120m		clay alteration.	High K, between 1.4E-6 and 3.0E-5 m/s. Saline water, specific conductivity of 900-1500 mS/m (Ävrö generally has 150-300 mS/m)	2	ab,										x	x												In Hav 3 the zone is characterized by tectonization, intense fracturing and clay alteration. High K, between 1.4E-6 and 3.0E-5 m/s, 2 to 3 orders of magnitude greater than the surrounding rock. Low bedrock resistivity. Mean fracture frequency in the zone
21_3_013	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 13, from IDD13_003: Zone A , similar to ID1_1_13, Zone 4	airborne geophysics, from IDD13_003: ground geophysics, similar to ID1_1_13, topo, BH Ä2 76-86m and BH geophysics		N30E-50E, similar to ID1_1_13, N55E	from IDD13_003: 50NW, similar to ID1_1_13, 20NW	apparent 100m, similar to ID1_1_13, 9m in BH Ä2			similar to ID1_1_13, K= 2,4*10-6 m/s	4	ad,										x	x												From IDD_13_003 : Zone A dips approx 50 NW passing under KAV 01 at a depth of 900-1000m.
21_3_014	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 20	geophysics		N10E-30E		apparent 90m				4	ad,										x	x												Zon 20, identified by ground surface geophysics reinterprtation of old 76-77 data,
21_3_015	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 3	geophysics		N70E-90E		apparent 90m				4	ad,										x	x												Member of Irm's ZS zone series from the RVS Ävrö model report (ID_I) ,
21_3_016	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 8	geophysics		N70E-90E		apparent 20m				4	ad,										x	x												Member of Irm's ZS zone series from the RVS Ävrö model report (ID_I),
21_3_017	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 7	geophysics		N70E-90E		apparent 40m				4	ad,										x	x												Member of Irm's ZS zone series from the RVS Ävrö model report (ID_I),

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_018	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 19	geophysics		N10E-30E		apparent 75m				4	ad,									x	x												Based on reinterprtation of old 76-77 data
21_3_019	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_020	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 10	geophysics		N70E-90E		apparent 30m				4	ad,									x	x												Member of Irm's ZS zone series from the RVS Ävrö model report (ID_I),
21_3_021	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 17	geophysics		N30W-50W		apparent 75m				4	ad,									x	x												
21_3_022	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 18	geophysics, topo depression, intersected by borehole Av1		N50E-70E		apparent 60m				4	ad,									x	x												
21_3_023	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_024	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_025	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 9	geophysics		N70E-90E		apparent 35m				4	ad,									x	x												Member of Irm's ZS zone series from the RVS Ävrö model report (ID_I),
21_3_026	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 35m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_027	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 5	airborne geophysics		N50E-70E		apparent 50m				4	ad,									x	x												
21_3_028	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 6	geophysics		N30E-50E		apparent 50m				4	ad,									x	x												
21_3_029	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 50m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_030	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x												weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_031	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_032	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 50m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_035	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		W-E		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_036	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		W-E		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_040	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_041	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_042	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_043	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		N-S		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_050	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_051	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_052	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 35m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_053	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_054	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_055	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_056	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_057	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_058	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_059	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 15m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_060	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_061	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ESE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_062	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 15m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_063	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ESE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_064	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_065	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_066	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_067	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 15m				4	ad,									x	x											weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_068	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_069	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_070	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_071	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_072	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_073	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_074	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_075	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_076	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 15m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_077	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_078	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 60m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_082	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSO		apparent 40m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_083	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ONO		apparent 15m				4	ad,									x	x											weakly indicated/minor fracture zone
6_1	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																x				x		x										Seismic refraction profiles - plan

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
6_1_004	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x			x									Seismic profile S8701
6_1_005	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x			x									Seismic profile S8701
6_1_006	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x			x									Seismic profile S8701
6_1_007	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x			x									Seismic profile S8701
D_12	AR L-98-22, Förstudie Oskarshamn, Ävrö sammanställning av befintlig geoinformation	RS Consulting													x			x				x			x									Fig 6-3 Tolkning av reflektionsseismiska mätingar (Juhlin och Palm 1997)
D_12_a	AR L-98-22, Förstudie Oskarshamn, Ävrö sammanställning av befintlig geoinformation	RS Consulting										5	ae,									x			x									Reflektionsseismiska undersökningar ut förda 96 (seismic relection survey, 96)
D_12_b	AR L-98-22, Förstudie Oskarshamn, Ävrö sammanställning av befintlig geoinformation	RS Consulting										5	ae,									x			x									Reflektionsseismiska undersökningar ut förda 96 (seismic relection survey, 96)
H_1	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																x				x			x									Figure showing seismic profiling on Äspö and Ävrö with original report references. Shows complete layout of ID6_1, and coverage along the centre part of the Äspö tunnel, relavant marine geophysics and a little on Hålö. Reports referred to: PR 25 87 10 (ID
H_1_c	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02
H_1_d	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02
H_1_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02
H_1_f	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02
H_1_l	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_1_m	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_n	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_p	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_q	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_r	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_s	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_t	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02
H_1_u	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x										Source references are PR 25-87-15, PR 25-89-02

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_2	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																x				x			x									Figure showing geophysical investigations on Äspö-Ävrö with original report references. Shows grid coverage of slingram survey which was used as a major input for the development of interpreted deformation zones presented in IDA_1, ID16_1and ID21_3, VLF
H_2_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_2_f	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_2_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Area covered by VLF and resistivity								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_2_p	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		grid for slingram & magnetometer								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_3	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																x				x			x									Figure showing geophysical profiles, geophysical investigation Äspö-Hålö (excl. Seismics), October1989. Vertical electrical soundings, magnetic and radiometric profiles, VLF profiles, Wadi profiles and Magnetic susceptibility measurements. No specific rep
H_3_d	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric profile								5	ae,									x			x									
H_3_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric profile								5	ae,									x			x									
H_3_n	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		VLF								5	ae,									x			x									

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_3_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Vertical electical soundings								5	ae,									x			x										
H_3_s	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		wadi profile								5	ae,									x			x										
H_3_t	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		VLF								5	ae,									x			x										
73_1	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978												x	x	x		x				x			x										Potential CLAB 1 Geological summary (Ävrö)
73_1_a	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x										Seismic profile S1 (numbers come from ID73_2)
73_1_b	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x										Seismic profile S2 (numbers come from ID73_2)
73_1_c	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x										Seismic profile S3 (numbers come from ID73_2)

APPENDIX H

Complete data inventory *(-see attached CD)*

Microsoft Excel
kalkylblad

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
A	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting												x	x							x												Loose 'Ävrö fracture zones figure' and Ävrö ground investigation data, hammer borehole logs for HAV4 och HAV5 (50m djupt), se ID1_1. Short descriptions found in the text of the 'fracture zones found in underground structures' (zones A to S) have been inc
A_1	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting													x							x												Loose 'Ävrö fracture zones figure' , see ID21_3 for more detailed information
A_1_001	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting		Geophysics																														(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_002	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting		Geophysics																														(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_003	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting		Geophysics																														(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_004	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting		Geophysics																														(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_005	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '14'	Geophysics	Fracture zone	ESE		apparent 75m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_006	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '10'	Geophysics	Fracture zone	ENE		apparent 30m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_007	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '5' (HÄLÖ området)	Geophysics	Fracture zone	NE		apparent 50m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_008	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '6' (HÄLÖ området)	Geophysics	Fracture zone	NE		apparent 65m														x												(äspö) ,loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_009	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '9'	Geophysics	Fracture zone	ENE		apparent 20m														x												(äspö) ,loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_010	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '8'	Geophysics	Fracture zone	ENE		apparent 30m														x												(äspö) ,loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_011	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '7'	Geophysics	Fracture zone	ENE		apparent 50m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
A_1_012	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '3'	Geophysics	Fracture zone	ENE		apparent 90m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_013	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '13'	Geophysics	Fracture zone	NE		apparent 90m														x												(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
A_1_014	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Fracture zone '2'	Geophysics																														(äspö), loose 'Ävrö fracture zones figure' ,see ID21_3 for more detailed information
B	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting												x	x	x	x		x											x	x			Clab 1 byggnadsgeologiskuppfölning av transporttunnel, bergschakt ovan jord och förvaringsbyggnad (text beskrivning) E modul, begränsad vattenförlustmätning i D101 till D112 (korta BH, plan finns), deformationsmätningar men flera detaljer i IDC; ler analy
B_1	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)											x	x	x												x	x			CLAB1 IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_001	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	krosszon (brecciated zone)	N58E	75S	(shown as approx 2m wide on drawing),		Clay analysis dominated by chlorite		1	cg,																		x	x			Green schist; the rock is closey jointed in the vicinity of the brecciated zone. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_002	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N68E	90					1	cg,																		x	x			Minor structure. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSE WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_003	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N68E	90					1	cg,																		x	x			Minor structure. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_004	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N48E	70S			Clay analysis dominated by		1	cg,																		x	x			Clay analysis:green completed weathered rock, easily crushed with a pestle, dominated by chlorite. IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_005	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N70E	75S					1	cg,																		x	x			IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_1_006	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting		Kartering av fundament (foundation mapping)	sköl (fracture zone with gouge)	N70E	80S					1	cg,																		x	x			IMPORTANT MAPPING DATA FROM THE SURFACE, -NOT TO BE CONFUSED WITH DATA MAPPED IN THE TUNNELS AT DEPTH.
B_2	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting													x	x	x													x				Mapping of the CLAB1 cavern floor, during ongoing excavation, incomplete with no major structures indicated
B_5	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 Skiss över mäthålens placering (sketch of measurment borehole locations). Indicates the position of various deformation zones. Primary sources of interpretations are presented in ID9_6 and 9_7

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
B_5_001	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon (weakness zone) Primary sources- see ID9_6 and 9_7
B_5_002	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon. Primary sources of interpretations are presented in ID9_6 and 9_7
B_5_003	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon. Primary sources of interpretations are presented in ID9_6 and 9_7
B_5_004	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon. Primary sources of interpretations are presented in ID9_6 and 9_7
B_5_005	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon. Primary sources of interpretations are presented in ID9_6 and 9_7
B_5_006	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting																												x				CLAB1 svaghetszon. Primary sources of interpretations are presented in ID9_6 and 9_7
C	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x	x	x	x	x				x									x				Clab, Simpevarp site investigations 1978 (1 of 2 red files containing a compilation of diverse documents, incl. BH details (9 x approx. 70m), BH plan, BH logs, fracture frequency, rock types, K test data etc. 'Clab 1 reports' (2nd of 2 red files contain
C_1	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x	x	x	x	x													x				Plan, CLAB1 ground investigations plan view, incl. rocktype mapping, borehole positions, interpreted deformation zone locations, joint statistics and storage plant layout. 1978
C_1_a	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				Seismik profil S7801 (drawn 78) see ID9_1
C_1_b	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				Seismik profil S7802 (drawn 78) see ID9_1
C_1_c	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				Seismik profil S7803 (drawn 78) see ID9_1

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
C_1_d	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				Seismik profil S7804 (drawn 78) see ID9_1
C_1_e	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				Seismik profil S7805 (drawn 78) see ID9_1
C_1_001	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB, Sannolik mindre svaghetszon (probable minor weakness zone),see ID9_6 and 9_7 based on additional information
C_1_002	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB, Sannolik mindre svaghetszon (probable minor weakness zone),see ID9_6 and 9_7 based on additional information
C_1_003	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB,känd svaghetszon (known weakness zone) see ID9_6 and 9_7 based on additional information
C_1_004	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB, Sannolik mindre svaghetszon (probable minor weakness zone),see ID9_6 and 9_7 based on additional information
C_1_005	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB, Sannolik mindre svaghetszon (probable minor weakness zone),see ID9_6 and 9_7 based on additional information
C_1_006	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																												x				CLAB, Sannolik mindre svaghetszon (probable minor weakness zone),see ID9_6 and 9_7 based on additional information

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
C_2	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting																											x				Orienteringsbild över Clab 1 (orientation plan)
C_3	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x															x				Ground investigations 1978, BH list with details,
C_4	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x															x				Ground investigations 1978, BH plan
C_5	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x															x				Förvaringsbyggnad grundundersökningar 1982, BH översiktsplan. (Storage facility , ground investigation 1982, BH plan)
C_6	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting												x		x													x				Förvaringsbyggnad grundundersökningar 1982, BH längdsektion (Storage facility, ground investigation 1982, BH cross sections)
C_7	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning	RS Consulting													x			x											x				Berggrundsundersökningar 1978, Seismiska profiler S7801-S7805 tolkade sektioner, (Ground investigation 1978, seismic profiles with interpreted cross sections) see IDC_1 for plan view
D	Förstudie Oskarshamn, AR L-98-24, AR L-98-22. (Feasability study Oskarshamn (2 reports))	RS Consulting												x	x	x	x	x				x							x				AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation (Feasability study Oskarshamn- Simpevarp peninsula, compilation of existing geodata) AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig ge
D_1	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting														x											x		x				Fig 3-1 Översiktlig berggrundsgeologisk karta över Simpevarpshalvön efter Kornfält och Wikman (1987). Geological map of Simpevarp peninsula based on Kornfält och Wikman (1987))
D_2	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting												x		x											x						Fig 5-2 Kärnborrningar i anslutning till O3's kylvattenintag. Drillholes in the vicinity of O3's cold water intake)
D_3	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting												x		x											x						Fig 5-1 Vertikalskiss - sonderingsborrningar till havs för kylvattenintag till O3. (sketch cross section of investigation holes for O3's cold water intake)
D_4	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting													x							x					x			x			Fig 4-1 Översikt av Simpevarpshalvön som visar förekomst av kända sprickzoner (Plan of Simpevarp peninsula showing 'known' deformation zone positions)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_4_001	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting	see ID9_6, SZ1 Clab zone	geophysics, topo, mapping or drilling (not specific), verified by core drilling.	Local fracture zone	ENE	60-70S	10-20m																						x				Only sketch alignment - not a primary source
D_4_002	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting	see ID9_6, SZ3 Clab zone	geophysics, topo, mapping or drilling (not specific)	Local fracture zone	ENE	90	5m																						x				Only sketch alignment - not a primary source
D_4_003	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Local fracture zone																									x				Only sketch alignment - not a primary source
D_4_004	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Regional fracture zone	NE		Apparent 40m														x												Only sketch alignment - not a primary source
D_4_005	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Local fracture zone	NE																				x								Only sketch alignment - not a primary source
D_4_006	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Local fracture zone	ENE																				x								Only sketch alignment - not a primary source
D_4_007	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Local fracture zone	E-W																				x								Only sketch alignment - not a primary source
D_4_008	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		geophysics, topo, mapping or drilling (not specific)	Local fracture zone	NE to NNE																x				x								Only sketch alignment - not a primary source
D_4_009	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting	see ID9_6, SZ6 Clab zone	geophysics, topo, mapping or drilling (not specific)	Local fracture zone	N-S					Drilling indicated high K/major water conduit.																			x				Only sketch alignment - not a primary source
D_5	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting													x							x				x				x				Fig 4-2 Översikt av Simpevarpshalvön som visar förekomsten av dokumenterade sprickzoner i tunnlar och bergrum (Plan of Simpevarp peninsula showing deformation zones identified in the tunnel and cavern excavation)
D_5_001	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source
D_5_002	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source
D_5_003	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_5_004	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source
D_5_005	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source
D_5_006	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																		x												Only sketch alignment - not a primary source
D_5_007	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																		x												Only sketch alignment - not a primary source
D_5_008	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																		x												Only sketch alignment - not a primary source
D_5_009	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_010	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_011	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_012	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_013	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_014	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_015	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_016	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_017	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_018	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_019	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_020	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_5_021	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_022	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_023	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_024	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_025	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_026	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_027	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																						x								Only sketch alignment - not a primary source
D_5_028	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting		excavation mapping																										x				Only sketch alignment - not a primary source
D_6	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting																				x				x				x				Fig 1-2 Översikt över Simpevarpshalvön, med befintliga anläggningar. (Plan of Simpevarp peninsula showing the various tunnel and cavern locations)
D_7	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation	RS Consulting												x				x									x			x					Fig 2-1 Översikt av läget för utförda seismiska undersökningar och kärnborrhål i anslutning till kylvattentunnlar till O3- anläggningen (Seismic profile and drillhole locations in relation to O3's cold water tunnel alignments). Only sketch alignments - no
D_8	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting														x						x												Fig 4-1 Berggrundskarta över Ävrö (enligt Kornfält och Wikman, 1987) (Geological map of Ävrö)
D_9	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting													x			x				x												Fig 6-1 (modifierad version från SGU Lund) Tolkade sprickzoner på Ävrö baserade på geofysiska mätningar (Gentzschein 1987) (Interpreted Ävrö fracture zones based on geophysical data)
D_9_001	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NNW																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_002	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_003	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	N-S																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_004	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NW																x												Only sketch alignment - not a primary source (see ID21_3)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_9_005	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NNE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_006	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NE to ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_007	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	NE to ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_008	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting			fracture zone (weakly indicated)	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_009	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting			fracture zone (weakly indicated)	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_010	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting			fracture zone (weakly indicated)	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_011	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting			fracture zone (weakly indicated)	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_9_012	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		Ground geophysics (slingram + magnetometer	fracture zone	ESE																x												Only sketch alignment - not a primary source (see ID21_3)
D_10	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting												x								x												Fig 7-1 Läget för borrhålen på Ävrö- (Ävrö borehole locations)- use RVS/SICADA data instead
D_11	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting												x	x							x												Fig 2-1 Karta över större lineament på Ävrö samt tolkning av den subhorisontella sprickzonens orientering baserad på radarmätningar i borrhål. (Map showing the major Ävrö lineaments and an interpretation of a subhorizontal fracture zone orientation based
D_11_001	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Possible lineament	NNW																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_002	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF, drilling, BH radar	Clear lineament	NE	NW				stronglt water bearing in KAV1 309-502m											x												Only sketch alignment - not a primary source (see ID21_3)
D_11_003	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	NE																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_004	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	NW																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_005	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	NE to W-E																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_006	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	N-S																x												Only sketch alignment - not a primary source (see ID21_3)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_11_007	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	SSE																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_008	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_009	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_11_010	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting		geophysics, VLF	Clear lineament	ENE																x												Only sketch alignment - not a primary source (see ID21_3)
D_12	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting													x			x				x			x									Fig 6-3 Tolkning av reflektionsseismiska mätingar (Juhlin och Palm 1997)
D_12_a	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting										5	ae,									x			x									Reflektionsseismiska undersökningar ut förda 96 (seismic relection survey, 96)
D_12_b	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting										5	ae,									x			x									Reflektionsseismiska undersökningar ut förda 96 (seismic relection survey, 96)
D_12_001	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	zone C	seismic survey		N-S	E															x												Tolkade utgående av större seismiska reflektorer , (interpreted fracture zone based on seismic reflection survey) Juhlin and Palm 97 (see ID21_3)
D_12_002	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	zone A	seismic survey		NE	NW															x												Tolkade utgående av större seismiska reflektorer , (interpreted fracture zone based on seismic reflection survey) Juhlin and Palm 97 (see ID21_3)
D_12_003	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	SFZ11	topo och flgggeofysik	regional fracture zone	ESE																x												
D_12_004	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	SFZ05	topo och flgggeofysik	regional fracture zone	NE																x												
D_12_005	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	SFZ12	topo och flgggeofysik	regional fracture zone	NE																x												
D_12_006	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	SFZ10	aerial geophysical survey		N-S																x												Stanfors, Erlström 1995
D_12_007	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	zon B	seismic survey		ENE	SE															x												Tolkade utgående av större seismiska reflektorer , (interpreted fracture zone based on seismic reflection survey) Juhlin and Palm 97 (see ID21_3)
D_13	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting												x	x							x												Tolkade möjlig utbredning av den större sprickzonen påträffad i KAV01 (AV1) Gentzschein m fl, 1987 (Interpretation of the major fracture zone intercepted by KAV01 (AV1))

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
D_13_001	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	(16) from ID21_3_012	geophysics, BH KAV01 (AV1) Zone met in KAV01 between 418-578m and in KAV03, between 157m and bottom (249m). Hydrotests show connection in	fracture zone	N5W	40 W	120m		Clay alteration	High permeability											x													See ID21_3_012
D_13_002	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	Zone B	Indicated by seismic reflection (1997) as zone B. Correlates with brecciated zone 400-500m	regional lineament	ENE	35 S															x													See ID21_3_011
D_13_003	AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig geoinformation	RS Consulting	Zone A	topo, + passing under KAV 01 at a depth of 900-1000m	regional lineament	NE	50 NW															x													See ID21_3_013
E	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)																								x				x				Simpevarp regional Model (V0) Fig 4-8, RVS structural model - lineaments and deformation zones (local major and regional)
E_1	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)																					x				x	x			x	x		Figure 4-6 Lineaments and fracture zones (local major and regional) at the surface
E_1_001	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_002	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0007A0, SFZ14	combination of airborne geophysical (magnetic and VLF), ground geophysics and topographic data	Local major or regional fracture zone	345	90	50-100m indicated by magnetic data.				3	ac,									x	x												
E_1_003	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	W-E						3	ac,									x	x											
E_1_004	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_005	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_006	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data	Local major or regional lineament	NW						3	ac,oc,									x	x			x	x							
E_1_007	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_008	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data	Local major or regional lineament	W-E						3	ac,									x	x											
E_1_009	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0006A0, SFZ12, NE-1	topo, airborne magnetic, ground geophysics, boreholes KAS09, 14, 16 KBH02, & äspö tunnel	Local major or regional fracture zone	40	70NW	5-10m intense fracturing and/or alteration indicated by VLF and borehole or tunnel information. 50-100m indicated by magnetic				3	ac,									x	x											
E_1_010	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_011	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_012	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S till NW						3	ac,									x	x											
E_1_013	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	XSM0001A0	combination of geophysical and topographic data)	Local major or regional lineament	NE						3	ac,									x	x											

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_014	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	E-W						3	oc,cc,												x	x			x	x			
E_1_015	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW-SE						3	ac,									x	x										
E_1_016	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004A0	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, Äspö tunnel	Local major or regional fracture zone	NE (035-080)	60-70SE	50-200m indicated by magnetic data.				3	ac,oc,									x	x			x							
E_1_017	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S						3	ac,									x	x										
E_1_018	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004B0, SFZ05	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, borehole KAV01 (Ä-1)	Local major or regional fracture zone	NE (040-060)	60-70SE	50-200m indicated by magnetic data.				3	ac,									x	x										
E_1_019	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	ZSM0004B0, SFZ05	Topo, airborne magnetic and VLF. Verified by ground geol & geophys, borehole KAV01 (Ä-1)	Local major or regional fracture zone	NE (040-060)	60-70SE	50-200m indicated by magnetic data.				3	ac,									x	x										
E_1_020	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	W-E						3	ac,oc,									x	x		x	x							
E_1_021	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NNW-SSE						3	oc,cc,									x			x	x			x	x			
E_1_022	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW-SE						3	oc,cc,												x	x			x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_023	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament							3	ac,									x	x												
E_1_024	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	SW-NE						3	cc,																	x	x			
E_1_025	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_026	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	SW-NE						3	cc,																	x	x			
E_1_027	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_028	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_029	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_030	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_031	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													
E_1_032	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																													

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
E_1_033	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament																												
E_1_034	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	NW						3	ac,									x	x											
E_1_035	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)		combination of geophysical and topographic data)	Local major or regional lineament	N-S till NE						3	ac,oc,									x	x			x	x							
F	DELETED																																	BLANK ROW
G	Hagkonsult 8091152, 1978 Utlåtande beträffande vattenläckage till bergrums-anläggningen för lagring av låg- och medelaktivt avfall, Simpevarp (report on water inflows to the CLAB	Hagkonsult (incomplete report from OKG and RS Consulting)																	x														Incomplete report from OKG. Short description of rock and groundwater conditions, drawings missing.
H	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB												x	x	x		x	x			x								x				Regional summary report with focus on Äspö but including Ävrö and Hålö
H_1	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																x				x			x									Figure showing seismic profiling on Äspö and Ävrö with original report references. Shows complete layout of ID6_1, and coverage along the centre part of the Äspö tunnel, relavant marine geophysics and a little on Hålö. Reports referred to: PR 25 87 10 (ID
H_1_a	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_b	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_c	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									x			x									Source references are PR 25-87-15, PR 25-89-02

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_1_d	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_f	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_g	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_h	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_i	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_j	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)
H_1_k	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile																														(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_1_l	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_m	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_n	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_p	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_q	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_r	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02
H_1_s	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×									Source references are PR 25-87-15, PR 25-89-02

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_1_t	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×										Source references are PR 25-87-15, PR 25-89-02
H_1_u	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		seismic profile								5	ae,									×			×										Source references are PR 25-87-15, PR 25-89-02
H_2	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																×				×			×										Figure showing geophysical investigations on Äspö-Ävrö with original report references. Shows grid coverage of slingram survey which was used as a major input for the development of interpreted deformation zones presented in IDA_1, ID16_1and ID21_3, VLF
H_2_a	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings																														(äspö)
H_2_b	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings																														(äspö)
H_2_c	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings																														(äspö)
H_2_d	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings																														(äspö)
H_2_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings								5	ae,									×			×										Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_2_f	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		electric soundings								5	ae,									×			×										Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_2_g	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric																														(äspö)
H_2_h	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric																														(äspö)
H_2_i	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric																														(äspö)
H_2_j	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric																														(äspö)
H_2_k	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric																														(äspö)
H_2_l	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Resistivity																														(äspö)
H_2_m	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Resistivity, VLF &wadi																														(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_2_n	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Resistivity, VLF &wadi																													(äspö)
H_2_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Area covered by VLF and resistivity								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_2_p	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		grid for slingram & magnetometer								5	ae,									x			x									Source references are: PR 25 87 14 (ID46), PR 25 88 16 (ID45), PRAV 77/1 (ID45) and PR 25 87 16 (ID21).
H_3	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																x				x			x									Figure showing geophysical profiles, geophysical investigation Äspö-Hålö (excl. Seismics), October1989. Vertical electrical soundings, magnetic and radiometric profiles, VLF profiles, Wadi profiles and Magnetic susceptibility measurements. No specific rep
H_3_a	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																															(äspö)
H_3_b	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																															(äspö)
H_3_c	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																															(äspö)
H_3_d	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric profile								5	ae,									x			x									

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_3_e	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		mag & radiometric profile								5	ae,									x			x									
H_3_f	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_g	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_h	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_i	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_j	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_k	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_l	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_3_m	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_n	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		VLF								5	ae,									x			x										
H_3_o	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		Vertical electical soundings								5	ae,									x			x										
H_3_p	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_q	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_r	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
H_3_s	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		wadi profile								5	ae,									x			x										
H_3_t	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB		VLF								5	ae,									x			x										

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
H_3_u	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB																																(äspö)
I	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB																				×													Primarily an RVS modelling exercise rather than an 'approved' structural geological model- lrm/RS comment. Note that a digital 3D structural geological model exists in RVS version 3
I_1	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB													×							×	×												Figure 3-4, Model version 3, surface location of interpreted zones on and around Ävrö
I_1_001	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z13	seismik	zone/structure	225	57N	100				8	ah,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_002	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z14	ytkartering, seismik, BH KAV01,KAV03	zone/structure	95	49S	50				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_003	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z15	seismik, BH KAV01, KAV03, HAV07	zone/structure	64	36S	50				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_004	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Z19	ytkartering/topo, seismik, BH KAV01,	zone/structure	355	60E	40				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_005	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSb	BH KAV01, KAV03	zone/structure	258	6.5N	7				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_006	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSc	BH KAV01, KAV02 KAV03,	zone/structure	258	3.5-6.5N	10			higher K in BHs	7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_007	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSd	BH KAV01, KAV02 KAV03,	zone/structure	258	5N	2			higher K in BHs	7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_008	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Zse	BH KAV01, KAV02 KAV03, HAV07, topo	zone/structure	258	5N	8				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
I_1_009	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	ZSf	BH KAV01, KAV03, topo	zone/structure	258	3.5N	2				7	ag,									×	×												Note that a digital 3D structural geological model exists in RVS version 3
J	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive													×				×			×												Original digital source of mapping data from the Äspö underground hard rock laboratory access tunnel
J_1	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive													×				×			×	×											Original digital source of mapping data from the Äspö underground hard rock laboratory access tunnel

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
J_1_001	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive	Serial nr.5, 6.& 7. Z6, Z8, Z9, Z0, Z1, Z2 & Z3	tunnel mapping, SA0254B, SA0267G, SA0267F, SA0271B, SA0285G, SA0289A, SA0289B, SA0293F, SA0311A, SA0311B, SA0344A, SA0344B, SA0361A,	Compound fracture zone	southernmost branch, 100. Northernmost branch 210	40-90S	total apparent width= ca. 100m. But individual sub branches: 8.6, 31.3, 12.6m	Epidote, chlorite, calcite, fe oxides, quartz	clay in central section, see J1_002	5 liters/min. Required grouting in central section, see J1_002. Ca. 0.5 liters/min in outer branches	1	aa,									x	x												
J_1_002	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markström and Erlström, 1996	SKB, Sycon archive	Serial nr. 6. , Z8, Z9, Z0, Z1	tunnel mapping, SA0285G, SA0289A, SA0289B, SA0293F, SA0311A,	Compound fracture zone	65	75S	31.3	chlorite, calcite, fe oxides, quartz	clay	5 liters/min. Required grouting	1	aa,									x	x												The central branch of IDJ_1_001: the central branch, which is clayey and most intense, there was a need for support and pregrouting- this branch occurs at approx. 0/300-0/330m. Geometric details taken from PR25-95-20, Appendix 3, Fracture zone catalogue.
1	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB												x	x		x		x			x								x				Geology: limited description of Ävrö and CLAB area. Reference is made to more detailed descriptions available in Moberg M 1979, CLAB Simpevarp site investigation, Vattenfall 1979-01-23 och Eriksson K, 1982 CLAB Eng Geol construction reports for transport
1_1	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB												x	x							x								x	x			Figure showing Ävrö and CLAB fracture zones and sketch cross sections.
1_1_001	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zone 1	topo, drillhole D1,	weakness zone	N 60 E	65 SE	30m true thickness	red alteration, mylonite	local clay alteration																				x				Rock in the zone is schistose and closely jointed with characteristic red coloration. see ID9_6_001

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_1_002	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Clab1, Zone 5	topo, seismic and structural geological evidence	probable weakness zone	N 30 W					classed as moderately water bearing	4	cd,																	x	x			CLAB 1, Zon 5, (same zone/lineament as IDB_5_003, IDC_1_002, ID16_1_022, and ID 73_3_005) According to IDC_1_002 probable minor weakness zone, ID_73_005 seismic or structural geologically indicated judged as moderately water bearing.
1_1_003	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zone 3		weakness zone	N 75 E	65 S	6- 8m in the transport tunnel (incl. 2m wide blocky breccia and 2m section with strong schistosity.		cm thick clay layers locally	water inflows noted along zone																				x				#Namn?
1_1_004	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zone 4			N 40 E	90	2m		cm thick clay layers locally	dripping in tunnel																				x				2m wide met in the tunnel. Consists of a crush zone with blocky rock and cm thick clay layers and crushed pegmatite veins. -see ID16_3_002
1_1_005	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 2,	Drillhole D2	weakness zone	N 50	75W	30 wide in D2 of closely jointed and intensely schistose rock. 'true width 10m'																							x				-see ID9_6_004
1_1_006	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Ävrö Zon 2	Topo, ground geophysics, drillhole Ä1 420-480m	lineament, weakness zone	N55E, can be followed for 2km	65SE	true width 27m with 2m of crushed rock in Ä1	Clorite, calcite and iron oxides, red alteration, mylonite, brecciated	clay alteration	K= 1,5*10-6 m/s, high salt content of water in BHÄ1 at 438m												x											Ävrö, Zon 2, sammankopplades det topografiskt och geofysiskt indikerade lineament på markytan med svaghetszonen av borrhål Ä1 på 420-480m djup. Tydligt tektoniskt lineament och kan följas topografiskt 2km mot sydväst till sundet norr om Simpevarp halvön.
1_1_007	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Ävrö Zon 1	Interpreted from aerial photos	lineament, weakness zone	E75N	85S															x												See ID21_3_011

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_1_008	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB			weakness zone	ESE																x												
1_1_009	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB			weakness zone	SE																x												Weakly indicated lineament
1_1_010	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB			weakness zone	NNE																x												Weakly indicated lineament
1_1_011	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB			weakness zone	W-E																x												Weakly indicated lineament
1_1_012	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Ävrö Zon 3	Topo lineamnet, BH Ä2 28-48m with BH geophysics	weakness zone	N55E	30NW	true width 15m			K= 5,7*10-8 m/s											x												Ävrö, Zon 3, genomkorsar borrhålet Ä2 och korrelerats med topo lineament i södra delen av Ävrö. Uppspruckna delarna av borrkärnan kännetecknas av låga resistiviteter. Ä2 28-48m djupt, Strykning N 55 O, Stupning 30 NV, verklig bredd 15m. BH Ä2: 15m bredd
1_1_013	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Ävrö Zon 4	Topo lineament, BHÄ2 76-86m, BH geophysics	weakness zone	N 55E	20NW	9m, broken rock with low resistivity			K= 2,4*10-6 m/s											x												very similar location and orientation see ID21_3_013

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_1_014	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		topo	weakness zone	ESE																x													Weakly indicated lineament, NOT SELECTED!!!!!
1_1_015	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 6	topo', seismic profiling	weakness zone	N 5 E																									x				CLAB 1, Zon 6, svaghetszon, topo indikerade- flygbildstolkning, seismiska indikerade, Strykning N 5 E -see ID9_6_002
1_2	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB												x	x																x	x			Översiktskarta visande sprickzoner och borrhålslägen inom CLAB området-ref till tabell 4.3 . (Map showing fracture zone and BH positions in the CLAB area, combining both investigation results and excavation mapping for Clab1) ID16_3 better source of infor
1_2_001	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 2	BH D2		N-S	75W	true width 10m, >30m in D2 with close jointing and schistosity																						x				CLAB 1, Zon 2, (see comment for ID9_6_004),
1_2_002	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 3	tunnel mapping with major lateral extension		N75E	65S	8m total width in transport tunnel, with 2m breccia zone with blocky rock and 2m section with intensive schistosity. True width 6m		cm thick clay layers locally	water inflow noted along the zone																			x				CLAB 1, Zon 3, 8m total bredd i transport tunneln, med 2m krosszon med blockigt berg och ett 2m avsnitt med intensivt parallel förskiffrat berg. Zonen inkluderar cm breda lerskölar. Vatteninläckning har noterats längst zonen. Strykning N75O, stupning 65S,
1_2_003	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 4	tunnel mapping with major lateral extension		N40E	90	2m breccia zone with blocky rock and brecciated pegmatite	incl. brecciated pegmatite	cm thick clay layers locally	Dripping water locally	2	cb,																	x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_2_004	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 5	Topo		N30W						4	cd,																	x	x			CLAB 1, Zon 5. Zonens förlopp är markerat av avlånga sänkor i terrängen i NV-SE-lig riktning. Strykning 30 V. Från flygbildstolkning
1_2_005	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping				<0,3m																						x				Rörelseplan (sköl) <0,3m wide, CLAB 1 tunnel- not visible in tunnel mapping ID16_3
1_2_006	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)
1_2_007	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)
1_2_008	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)
1_2_009	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_2_010	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)
1_2_011	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (shear zone) <0,3m wide CLAB 1 tunnel (use primary source ID16_3)
1_2_012	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (sköl) <0,3m wide, cavern southern entrance (take as a local branch of CLAB 1 Zon 3) (use primary source ID16_3)
1_2_013	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Brecciated zone,<2,5m wide, in transport tunnel/cavern entrance tillfartstunnel/bergrum söder ingång, (take as a local branch of CLAB 1 Zon 3) (use primary source ID16_3)
1_2_014	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Krosszon,<2,5m bredd, i tillfartstunnel, CLAB 1 (use primary source ID16_3)
1_2_015	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Krosszon,<2,5m bredd, i tillfartstunnel, CLAB 1 (use primary source ID16_3)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
1_2_016	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Rörelseplan (sköl) <0,3m bredd CLAB 1 tunnel (use primary source ID16_3)
1_2_017	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB		Tunnel mapping																										x				Krosszon,<2,5m bredd, i tillfartstunnel, CLAB 1 Zon 4 (use primary source ID16_3)
1_2_018	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	CLAB 1, Zon 1	Topo, BH D1 close jointed and schistose	weakness zone	N60E	65SE		red alteration with mylonite bands	clay alteration																				x				CLAB 1, Zon 1, svaghetszon, topo indikerade, påborrades av borrhålet D1, berggrunden inom zonen är förskiffrad och riksprickig och känneteecknas av sekundär rödfärgning, smala mylonitband och lokalt av lervittrat berg. Strykning N 60 O, stupning 65 SO see
3	SKBF-KBS AK K-0-6:1R6, Om de geologiska, särskilt spricktektoniska förhållandena på halvön nordost om Simpevarp, Misterhults socken. 1959	Walter Larsson																															Five sides of text including a short summary of fieldwork and site inspection for the O1 siting and seismic risk. -better coverage of these topics are available elsewhere.
4	OIII 'Ritning nr 30-92-33	Reidar Hoffner													x	x	x																O III Reactor building geological mapping of the floor and walls, see ID8 for other mapping. Incl. memo, Commentary on the mapping work, OIII incl. Weakness zone descriptons
4_1	OIII 'Ritning nr 30-92-33	Reidar Hoffner													x	x	x										x						O III Reactor building geological mapping of the floor and walls, see ID8 for other mapping.
4_1_001	OIII 'Ritning nr 30-92-33	Reidar Hoffner		excavation mapping	shear zone	ENE	75N	1m crushed aplite dyke	Chlorite on northern limit	Clay layer on northern limit		1	oa,														x	x						
4_1_002	OIII 'Ritning nr 30-92-33	Reidar Hoffner		excavation mapping, zone continues eastwards as a linear depression over OIII area	shear zone	N70E	65S	4-5m	10cm wide gouge with Calcite, chlorite and locally clay	Clay locally	Minor leakage locally	1	oa,														x	x						
4_1_003	OIII 'Ritning nr 30-92-33	Reidar Hoffner			shear zone	N40E	75E,	0.5-1.5m altered granite, aplite and pegmatite 'compact'	chlorite and calcite 5-10cm wide filled joints	5-10mm clay locally along a 10m long section	dry	1	oa,														x	x						

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
6	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																x				x												Seismic refraction profiles- rockhead level and low velocity zones. Local to Äspö, only the southern end of profile S8701, in the vicinity of Hålö, is geographically relevant. Both raw and intrepreted data are presented.
6_1	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																x				x		x										Seismic refraction profiles - plan
6_1_a	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8701
6_1_b	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8702
6_1_c	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8703
6_1_d	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8704
6_1_e	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8705
6_1_f	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																				x												Seismic profile S8706
6_1_001	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																																(äspö)
6_1_002	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																																(äspö)
6_1_003	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																																(äspö)
6_1_004	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x		x										Seismic profile S8701
6_1_005	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x		x										Seismic profile S8701
6_1_006	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x		x										Seismic profile S8701
6_1_007	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB		seismic								6	af,									x		x										Seismic profile S8701
6_2	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB																x				x												Seismic refraction profiles - interpreted profiles S8701 and S8702-only the southern end of S8701, around Hålö is geograhically relevant.
8	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG												x	x	x	x		x	x						x								Short description of Simpevarp peninsula geology, site investigation for the inake tunnel and deep water intake structure, cored drillholes KBH 2 to KBH 11 short holes (15m) drilled upwards from the tunnel incl. BH logs;limited grouting report and minutes
8_1	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG																								x								O III geokartering orienterings plan (geological mapping orientation plan)
8_2	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG																								x								O III beteckningar för geokartering (geological mapping, key legend)
8_3	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x									x	x							O III intag-tilloppstunnel del 1 kartering av schaktväggar (intake tunnel part 1, mapping of walls)
8_3_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Fallsviken shear zone	Excavation mapping	shear zone	W-E	40S	2m brecciated zone,		incl. 5-8cm clay layer		1	oa,													x	x							

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
8_3_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	W-E	80N to 90	0.5-5m	chlorite gouge along	minor clay		1	oa,														x	x							
8_3_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	W-E	80N	2m				1	oa,														x	x							Krosszon, bredd 2m, strykning V-O, stupning 80 N
8_4	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x										x	x						O III intake tunnel part 2 geological mapping
8_4_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	ENE	70S	5-10cm	Chlorite, calcite	Clay test		1	oa,														x	x							
8_4_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	20N		Pegmatite, chlorite and calcite			1	oa,														x	x							
8_4_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	65S	5-7m		part clay alteration	leakage < 2 l/min	1	oa,														x	x							
8_4_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	W-E	90	0.5-1m	Chlorite	Clay		1	oa,														x	x							'Turbinsköl en', 0.5-1m bred kloritsköl med lera, strykning V-O, stupning subvertikal.
8_4_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	ESE	50S		Chlorite, calcite			1	oa,														x	x							Sköl, klorit, kalcit, strykning OSO, stupning 50 S
8_5	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x										x	x						O III dieselbyggnad geokartering av schaktväggar (deisel building, geomapping of excavation walls)
8_5_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	NE	90	0.5m max	Chlorite	Clay		1	oa,														x	x							'Turbinsköl en'. -should link up with ID 8_4_004
8_6	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone										x	x	x										x	x						O III området runt svallschaktet, geokartering av schaktväggar (surge chamber, geomapping of walls)
8_6_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90 to 85S	1m max	Chlorite, intense schistosity	Clay		1	oa,														x	x							ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinsköl en' and should tie up with ID8_4_004 and 8_5_001.
8_6_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	85S	1m max	Chlorite, intense schistosity	Clay		1	oa,														x	x							ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinsköl en' and should tie up with ID8_4_004 and 8_5_001.
8_7	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG													x	x	x										x	x						O III turbinbyggnad, området runt turbinfundament, geokartering av schaktbotten- not possible to localise/georeference
8_8	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG										1	oa,		x	x	x										x	x						O III utloppstunnel geokartering (OIII tailrace tunnel geo' mapping)
8_8_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90 to 85S	0.5-1m	Chlorite	Clay		1	oa,														x	x							This zone, along with ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinsköl en' and should tie up with ID8_4_004 and 8_5_001.
8_8_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	aplite, shear zone?	NE	90	7m apparent width, brecciated				1	oa,														x	x							

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
8_8_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NE	70S		Pegmatite	Clay		1	oa,														x	x							
8_8_006	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	90		Chlorite	Clay		1	oa,														x	x							
8_9	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping								1	oa,		x	x	x									x	x							O III nödkylvattentunnel geokartering (emergency cold water tunnel)
8_9_007	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping		SE	50S		Calcite, chlorite	Clay		1	oa,														x	x							
8_9_008	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	weathered aplite, shear zone?	SSE	45S	1-1.5m	Chlorite			1	oa,														x	x							
8_9_009	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	aplite, shear zone?	SSE	80E		Calcite, chlorite			1	oa,														x	x							
8_9_010	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	weathered aplite dyke with shear zone	ESE	90	apparent width 2m	Chlorite			1	oa,														x	x							
8_9_011	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	shear zone	ENE	90				damp, dripping	1	oa,														x	x							Turbinskölen' This zone, along with ID8_8_003, ID8_6_001 and 8_6_002 are branches of the same zon, 'Turbinskölen' and should tie up with ID8_4_004 and 8_5_001.
8_9_012	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping	minor shear zone	ENE	90					1	oa,														x	x							
8_9_013	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Turbine shear zone	Excavation mapping																						x								too small, ignore
8_10															x	x	x									x								O III tilloppstunnel del 1 redovisning av utförda sonderingsborrhål (OIII intake tunnel part 1 drillhole locations)
8_11															x	x	x									x	x							O III tilloppstunnel del 1 geokartering (OIII intake tunnel part 1 geomapping)
8_11_001	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	50W	5-10cm	Chlorite, calcite			1	oa,														x	x							5-10cm bred sköl, med klorit, kalcit. Strykning NNO, stupning 50 V
8_11_002	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	N	50W	5-10cm	Chlorite, calcite			1	oa,														x	x							5-10cm bred sköl, med klorit, kalcit. Strykning N, stupning 50 V
8_11_003	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NNE	40W	2m brecciated apparent width	Chlorite	Clay (test13)		1	oa,														x	x							2m total apparent bred lersköl & krosszon , med klorit, lerslag. Strykning NNO, stupning 40 V, lerprov 13. Bergutfall
8_11_004	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NNE	70E		Chlorite, calcite, applite dyke			1	oa,														x	x							Mindre krosszon med aplit och klorit- kalcit skölar, Strykning NNO, stupning 70 O
8_11_005	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NE	65N	10m apparent width, locally highly	Chlorite, applite		moderately water bearing	1	oa,														x	x							Zon med, klorit, uppkrossad aplit, lokalt mycket vittrad och ngt. vattenförande, berg utfall, strykning NO, stupning 65N. Apparent bred på ritning ca. 10m
8_11_006	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	ENE	70N	0.5m	Chlorite, calcite	Clay (test10)	dripping	1	oa,														x	x							0.5m bred kloritsköl Strykning ONO, stupning 70 N, vattenförande (droppande), klorit, kalcit, lera, lerprov 10

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
8_11_007	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	shear zone	NE	75N	1m	Chlorite	minor clay	dripping	1	oa,														x	x							Ca. 1m bred kloritsköl med mindre lerinslag, vattenförande (droppande), klorit, strykning NO, stupning 75 N
8_11_008	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	minor shear zone	NNE	90		Chlorite			1	oa,														x	x							Kloritsköl, strykning NNO, stupning vertikal
8_11_009	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Brecciated, blocky Aplite, shear zone?	NNE	70-85S		limonite		locally dripping	1	oa,														x	x							Delvis uppkrossad och småblockig applitzon och mindre limonitbelagdaslag, vattenförande (lokalt droppande), Strykning NNO, stupning ca. 70-85S
8_11_010	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping	Aplite, minor shear zone?	NE	90		Chlorite, calcite		dripping	1	oa,														x	x							Aplitgång, kloritsköl, kalcit, vattenförande (droppande), strykning NO, stupning subvertikal
8_11_011	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping and a 20-40m wide lineament (depression) on the surface	'disturbed zone'			Apparent width in the tunnel=110m with increased jointing and numerous aplite	Chlorite, calcite, partly weathered	Clay (test 8)		1	oa,														x	x							'Störd' zon med Ökad sprucklighet och stort inslag av applitgångar med ler och kloritskölar, kalcit i sprickor och inneslutningar. Berget delvis vittrad. Början av zonen ligger under 20-40m bred sänka i dagytan, apparent length of zone along tunnel = 110m
8_11_012	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG		Excavation mapping and a 20-40m wide lineament (depression) on the surface	Aplite, shear zone?	ENE	85S	1m partly brecciated, plus 5m with 10-20cm wide platy structue	Chlorite, calcite			1	oa,														x	x							Ca. 1m bred aplitgång, delvis krossad, med intilliggande kalcit-kloritsköl norr om applitgången ca. 5m skivigt parti med 10-20cm skivtjocklek, strykning ONO, stupning 85S
9	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.												x	x	x		x	x		x									x				1978 Seismic profiles, plan with low velocity positions (ID9_1);1995 och 1997 seismic profiles, plan with low velocity positions (ID9_3), interpretation of profile LS135 cavern CLAB2 in appendix 1. Core and hammer hole positions 1995 and 1997 (ID9_4), 199
9_1	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.												x				x												x		x	x	Situationsplan med 1978 års undersökningar- seismik profiler, låghastighetszoner borrhållägen visas
9_1_a	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 101 (78), previously named S7801
9_1_b	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 102 (78), previously named S7802

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_1_c	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 103 (78),previously named S7803
9_1_d	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 104 (78), previously named S7804
9_1_e	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																				x	Seismic profile LS 105 (78), previously named S7805
9_1_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																		x		x		CLAB 1, geophysics, seismic, low velocity zones <4000m/s, profile LS104 (78), previously named S7804
9_1_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																		x		x		CLAB 1, geophysics, seismic, low velocity zones <4000m/s, profile LS102 (78), previously named S7802
9_2	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.												x	x																x				General plan showing situation from 1995 presentation - interpreted zones, borehole and fracture zones. Same figure as ID1_2
9_3	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.																x													x		x	x	Plan of seismic profiles from 1995 and 1997, low velocity positions
9_3_a	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS106 (95)
9_3_b	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS107 (95)
9_3_c	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS108 (95)
9_3_d	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS109 (95)
9_3_e	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS110 (95)
9_3_f	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS111 (95)
9_3_g	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS112 (95)
9_3_h	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										5	ce,																		x			x	Seismic profile LS135 (97), profile length modified after ID 9_16
9_3_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																		x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																		x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_3_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_3_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)
9_3_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_008	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_009	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_010	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_011	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_012	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_013	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_014	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_015	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_016	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_017	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_018	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_019	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_3_020	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS135(97)
9_3_021	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_022	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_023	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS110(95)
9_3_024	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_025	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_026	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS109(95)
9_3_027	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_028	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_029	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_030	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS112(95)
9_3_031	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_032	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_033	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS107(95)
9_3_034	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS108(95)
9_3_035	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS111(95)
9_3_036	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.										6	cf,																	x		x		CLAB 2 area, geophysics, seismic, low velocity zone <4000m/s, profile LS106(95)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_4	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.												x																				Plan- drilling 1995 and 1997, BH KS 128-130, HS102 lengths between 80-120m,with text description; HS103-06 lengths between 37-50m for groundwater observations and interference tests.
9_5	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997														x	x														x	x			Plan of - rock types, lineaments and joint statistics
9_5_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 2	Topo, geophysics - low velocity points(<4000m/s) along profiles LS110-12 and LS106-07	lineament,	NE- ENE		5-10m	red alteration			4	cd,																	x	x			
9_5_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 4	Topo	lineament,	NW-SE						4	cd,																	x	x			
9_5_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 5	Topo, seismic low velocity points along LS109--12 coincide with lineament	lineament,	NNE-SSW						4	cd,																	x	x			
9_5_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zone 6	Topo, seismic low velocity points along LS109--12 coincide with lineament	lineament,	ENE-WSW						4	cd,																	x	x			
9_5_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 7	Topo	lineament,	NE-SV						4	cd,																	x	x			tolkade lineament, eventuella svaghetszon, baserad på topografi, viss rödfärgning längst lineament, men ingen mylonite eller ökad uppsprickning av berget
9_5_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 3	Topo	lineament,	ENE-WSW						4	cd,																	x	x			
9_5_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier		Topo	lineament,	W-E						4	cd,																	x	x			
9_5_008	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SCC, Raymond Munier	Zon 1	Topo	lineament,	ENE-WSW						4	cd,																	x	x			
9_6	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB												x	x			x												x	x			Plan- geological model with fracture zones -1997 **KEY CLAB FIGURE(but pre excavation) topo/seismik/BH indikerad**
9_6_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ1, coincides with CLAB Zone 1	topo, seismic, 2 drillholes KS128, KS101 (=D1, 1978). HS103	weakness zone	N60E	60-70 SSE	Shown on drawing with apparent width of 15m. Verified by drilling with width judged as 10-20m Acc.	red alteration, mylonite	clay locally	higher K värde i KS128. Zone generally tight. Hydraulic tests in HS103 and KS128 indicate T= 10-8 - 10-7 m2/s (low).	2	cb,																	x	x			Probable fracture zone location at ground surface, SZ1 (incorporates low velocity points from ID9_3), coincides with CLAB Zon 1, Acc. ID_D (AR L-98-24) width judged to be 10-20m. Enligt ID1_1 CLAB 1, Zon 1, rock is schistose closely jointed with red alte

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_6_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ6	Topo, seismic and boreholes HS104 and KS129	Probable fracture zone	Irregular but generally N-S	60-70ENE	Zones western limit is not fixed. Shown on figure with apparent width 20-40m. Described in the boreholes as consisting of a number of brecciated sections			In HS104 och KS129, partly strongly water bearing T= 1.5x10-3 m2/s. Geohydro 95/97, pump testing indicates SZ6 has T=1.5 x10^{-3} m^2/s	2	cb,																x	x			(incorporates low velocity points from ID9_3). Seismic + BH indicate dip of 60-70ENE
9_6_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ7	Topo, seismic, drilling KS128 at 35-45m,	Lineament, possible fracture zone						No increased K noted	2	cb,																	x	x			
9_6_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB Zone 2	Drilling KS102 (earlier called D2), seismic profiles S7804 and S7805 (renamed LS104 and LS105). No clear topo lineament.	Lineament, possible fracture zone	N 50	75 W	true width 10m				2	cb,																	x	x			Note: No core losses or clear tecttonising i borehole log; no clear topo lineament. Conclusion- since the 4 drillholes carried out to localize this ZZ zone only showed isolated water bearing fractures and decimeter wide breccia zones there is no reason t
9_6_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB "Skjuvzon"		Lineament, possible fracture zone	ENE						4	cd,																	x	x			
9_6_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ3, coincides with 'CLAB Zon 3	documented in tunnel to Clab1, topo and seismic confirm westerly extension. HS105	Probable fracture zone	ENE. ID_1_2_002: Water leakage noted along the zone. Strykning N75O, stupning 65S, verklig bred 6m	80 SSE	Acc ID_D (AR L-98-24), width 5m. Acc ID_1_2_002: CLAB 1, Zon 3, 8m total width in transport tunnel with 2m breccia blocky section and 2m wide section with intense schistosity. ID_1_2_002: true width 6m		ID_1_2_002 : cm wide clay layers	HS105 indicates water bearing fractures with T= 1x10-5 m2/s. Moderately water bearing. ID_1_2_002: Water leakage noted along the zone. Strykning N75O, stupning 65S, verklig bred 6m	2	cb,																x	x			(incorporates low velocity points from ID9_3), Dip 80 SSE in tunnel. Acc. ID_D (AR L-98-24), dip 90. ID_1_2_002: 65S.
9_7	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB																												x	x			CLAB1, mapping of existing excavation/plant

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_7_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			apparent thickness 1.5m	IDB: illite, chlorite	IDB: cm-wide clay layers, mixed layer illite, chlorite and montmorillonite weak swelling																				x				use ID 16_3_002 geometry instead and transfer text details
9_7_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			Acc. ID_D_5 <2m																						x				Use ID 16_3_004 geometry instead and transfer text details
9_7_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m Acc. ID_D_5				1	ca,																	x	x			
9_7_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m				1	ca,																	x	x			
9_7_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																	x	x			
9_7_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																	x	x			
9_7_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone																									x				use ID 16_3_009 geometry instead and transfer text details
9_7_008	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone																									x				use ID 16_3_007 geometry instead and transfer text details
9_7_009	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 1m				1	ca,																	x	x			
9_7_010	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																	x	x			
9_7_011	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			shown on drawing with an apparent width of approx' 0.5m				1	ca,																	x	x			
9_7_012	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone																									x				Use ID 16_3_006 geometry instead

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_7_013	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			Acc. ID_D_5 <2m																						x				Use ID 16_3_005 geometry instead
9_7_014	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB		Clab 1 Mapping	Fracture/shear zone			Apparent width 5m		Acc. IDB: cm wide clay layers	Acc IDB: water leakage max 11l/min, 30% seawater (700mg Na/l), flow reduced in a few hours to 1.5 -2 l/min), 2 further tests showed should no presence of seawater 32-50 mg Na/l.																			x				Use ID 16_3_003 geometry instead and transfer text details
9_9	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB SZ1		Fracture/shear zone																									x				
9_9_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB SZ1		Fracture/shear zone																									x				
9_9_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB SZ7		Fracture/shear zone																									x				
9_10	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB 'Zon2' (1995)		Fracture/shear zone																									x				
9_10_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB 'Zon2'		Fracture/shear zone																									x				
9_11	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	'Zon 2' (1997)		Fracture/shear zone																									x				
9_11_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB 'Zon2'		Fracture/shear zone																									x				
9_11_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	CLAB Skjuvzon		Fracture/shear zone																									x				
9_12	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ3	topo, seismic	Fracture/shear zone									x	x															x				Sektioner genom sprickzon SZ 3, baseras på topo, seismik och CLAB1 data
9_12_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ3	topo, seismic	Fracture/shear zone		60-80S																							x				CLAB sprickzon SZ3, stupning 60-80 grader S
9_13	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ6	HS104 and KS129	Fracture/shear zone						HS104 and KS129 shows very high T=1.5 x 10-3 m2/s			x	x																x				Sektioner genom sprickzon SZ 6, HS104 och KS129 visar mycket hög transmissivitet, T=1.5 x 10^{-3} m^2/s
9_14	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB			Fracture/shear zone									x	x		x													x				CLAB2, Structural model of cavern 2 (RS predictions, use results of construction mapping instead))
9_14_001	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ3		Fracture/shear zone		60-80S				in HS105 T= 1 x 10-5 m2/s																			x				CLAB2, zon SZ3, stupning 60-80 grader S, i HS105 T= 1 x 10^{-5} m^2/s

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
9_14_002	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB			Fracture/shear zone																									x				
9_14_003	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB			Fracture/shear zone																									x				
9_14_004	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB			Fracture/shear zone		60N																							x				
9_14_005	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ7		Fracture/shear zone						no raised K in KS128																			x				
9_14_006	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB			Fracture/shear zone																									x				
9_14_007	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB	SZ1		Fracture/shear zone		60-70S				Transmissitivitet T=10-8 till 10-7 m2/s																			x				
9_15	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	SKB													x															x				Förmodad orientering av skjuvzon i KS132 -3D digital modell
9_16															x			x												x				Cavern CLAB2 seismic investigation, plan and interpreted profile.
9_16_001																														x				CLAB2, seismic profile LS135, low velocity zone, 3200m/s
9_16_002																														x				CLAB2, seismic profile LS135, low velocity zone, 2900m/s
9_16_003																														x				CLAB2, seismic profile LS135, low velocity zone, 3300m/s
9_16_004																														x				CLAB2, seismic profile LS135, low velocity zone, 3000m/s
9_16_005																														x				CLAB2, seismic profile LS135, low velocity zone, 3500m/s
10	Roy Stanfors	VBB, Hagconsult, Konsortier												x												x								Mapping of drillcores from 1981-01 in intake tunnel part 1, section 0/024, short summary of result in text format, multiple brecciated zones. O III intake tunnel corehole Nr 1 from section 0/023.5 photos 0-71m. -cross-ckeck content with SICADA data orde
11	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors												x				x								x								Seismic reflection survey, O III, 1980, deep water intake and intake tunnel, plan och profiles
11_1	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors												x				x								x		x	x					Seismic reflection survey plan incl. Velocity values O III, 1980, deep water intake and intake tunnel

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
11_1_a	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P1
11_1_b	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P2
11_1_c	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P3
11_1_d	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P4
11_1_e	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profileP5
11_1_f	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P6
11_1_001	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										6	of,													x		x					Low velocity points on seismic profile P3
11_2	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x		x	x				Additional seismic reflection, plan incl. velocities O III, deepwater and intake tunnel
11_2_a	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P7
11_2_b	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P8
11_2_c	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P9
11_2_d	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										5	oe,													x			x				Seismic profile P10
11_2_001	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors										6	of,													x		x					Low velocity point on seismic profile P10
11_3	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors												x				x								x							ref ID11_2, survey layout
11_4	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x							Interpreted profile 9 (ref ID11_2 och ID11_3)
11_5	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x							Interpreted profile 8 (ref ID11_2 and ID11_3)
11_6	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x							Interpreted profile 7 (ref ID11_2 och ID11_3)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
11_7	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors																x								x								interpreted profile 10 (ref ID11_2 och ID11_3)
12	Roy Stanfors, no specific reference, information included in other ID																																	–
14	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,												x	x	x	x		x			x									x				Extensive geomapping of CLAB2, only major structures have been included here, a complete coverage of detailed mapping results are available. Incl. Petrographic analysis of rock types, clay analysis, water chemistry. Groundwater around CLAB, monitored time
14_1	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,																													x				Orientation plan of CLAB
14_2	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,															x														x				Stereogram pole plot of all joint data
14_3	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,													x		x														x	x			Fracture mapping of the CLAB2 cavern and transport tunnel (summary plot)
14_3_001	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	60N	1m		2-5 nr. 10mm wide clay layers	dripping	1	ca,																		x	x			The zone is an older plastic shearzone which has been repeatedly reactivated.
14_3_002	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	45-60N	1m		1-20mm wide clay later	vatten dropp	1	ca,																		x	x			
14_3_003	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE	45N	shown with apparent thickness 1-1.5m				1	ca,																		x	x			
14_3_004	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE	40N	shown with apparent thickness 0.5m				1	ca,																		x	x			
14_3_005	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	ENE	85S	shown with apparent thickness 0.3-0.5m				1	ca,																		x	x			

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
14_3_006	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N60E	80 S	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_007	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N200E	85 N	shown with apparent thickness 0.5-1.0m				1	ca,																x	x			
14_3_008	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	N60E	70-75S	4-5m width, (apparent thickness 3.5m)	Chlorite, iron quartz, calcite, pyrite	thin clay layers (non swelling)	Main waterinflow to CLAB2, total 5-10 l/min	1	ca,																x	x			CLAB2 Skjuvzon, generally has older plastic character with only slightly lower seismic velocity than the surrounding rock. The later part of the zone H4/053-V4/058 has a markedly lower velocity due to chlorite, clay etc. Mylonite. 5/015-5/020, consists o
14_3_009	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Shear zone	NE-SW	60E	20cm	mylonite, deformed grainitic dykes, chlorite and maganese hydroxide			1	ca,																x	x			
14_3_010	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NE		shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_011	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NNE	80W	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_012	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	N-S	75W	shown with apparent thickness 0.5m				1	ca,																x	x			
14_3_013	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,		Clab2 mapping	Minor shear zone	NE	45S	shown with apparent thickness 3.5m				1	ca,																x	x			
14_4	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,																												x				Q Classification, transport tunnel CLAB2
14_5	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,													x		x													x				Cavern roof and walls joint mapping, CLAB2

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
14_6	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,													x		x													x				Cavern floor joint mapping, CLAB2
14_7	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,														x														x				Cavern roof and walls rock type mapping, CLAB2
14_8	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,														x														x				Cavern floor rock type mapping, CLAB2
14_9	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,																												x				Cavern roof and walls Q classification, CLAB2
14_10	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,																												x				Cavern floorv Q classification, CLAB2
14_11	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,																			x									x				Rock stress measurement results
15	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x								Individuial drawings. Geological field mapping in the general OI area 1969, 1:1000. Summary figure of OI tunnel mapping showing main tectonic features (intake to tailraice I). OII, ; PM angående grundundersökningar, '69 -ref; ground investigations- genera
15_1	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)																								x								Oskarshamn power station, orientation plan (1969, I and II)
15_2	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x							Oskarshamn power station, geological fieldmappingaround OI, 1:1000, (1969)
15_2_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)																								x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone
15_2_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE	80 S																			x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike EO, dip 80 S
15_2_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike NE

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
15_2_004	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE
15_2_005	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	N-S																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike N-S
15_2_006	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE
15_2_007	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	SE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone SE
15_2_008	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_009	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone W-E
15_2_010	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_011	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_012	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_013	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_014	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_015	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike W-E
15_2_016	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone ENE
15_2_017	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike ENE
15_2_018	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	NW																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike NW
15_2_019	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			fracture, brecciated zone in rock	NW																				x	x							Surface mapping not to be confused with underground tunnel mapping, fracture, brecciated zone in rock , strike NW
15_2_020	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	ENE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike ENE

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
15_2_021	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	W-E																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike W-E
15_2_022	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			probable weakness zone	NE																				x	x							Surface mapping not to be confused with underground tunnel mapping, probable weakness zone strike NE
15_3	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x							Oskarshamns powerstation I, tailrace geomapping, major structures, plan and profile (1969)
15_3_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	ENE	90	1-5cm	Chlorite gouge		dripping	1	oa,													x	x							
15_3_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	ENE	40S	>5cm	Chlorite gouge	clay	dripping, ID57 : moderately water bearing	1	oa,													x	x							(ID15_3_002+003) , these three gouge filled fracture zones with surrounding bad rock have generated well developed topo depressions
15_3_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	N-S	80W	>5cm	Chlorite gouge	clay	dripping; ID57 moderately water bearing	1	oa,													x	x							(ID15_3_002+003),these three gouge filled fracture zones with surrounding bad rock have generated well developed topo depressions
15_3_004	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Complex zone	ENE	80S	Complex zone, 8m total width, including two parallel crushzones with widths in the range of 0.1-1.0m and a chlorite and clay shear zone with a width	Chlorite gouge	clay		1	oa,													x	x							
15_3_005	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			chlorite filled fracture zone	N-S	90 to 70W	1-5cm	Chlorite gouge	clay	dripping	1	oa,													x	x							
15_4	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)														x	x									x	x							Oskarshamn power station I, intake tunnel mapping, major structures, plan and profile (1969)
15_4_001	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Breccia with chlorite filled fracture zone	W-E	70S	<0.1m	chlorite gouge		dripping	1	oa,													x	x							Brecciated zone <0.1m wide, with chlorite gouge, dripping, strike W-E, dip 70S
15_4_002	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)	''Red zone'		altered zone	NE	15SE	15m apparent width	red alteration		dripping	1	oa,													x	x							'Red zone' altered joint group, 15m apparent width, strike NE, dip 15 SE, water dripping,
15_4_003	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)			Breccia	NNW	40E	<0.1m				1	oa,													x	x							Brecciated zone, <0.1m width, strike NNW, dip 40E
16	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors													x	x						x				x				x			Sammanställning av geodata från Simpevarp-Ävrö området, (Compilation of geodata covering the Simpevarp-Ävrö area) RS '87, with plan of fracture zones and short text descriptions . (includes CLAB area)
16_1	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors													x							x				x				x			Compilation of geo data from Simp_Ävrö, plan of fracture zones '87
16_1_001	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																												(äspö)
16_1_002	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																												(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_1_003	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																													(äspö)
16_1_004	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																													(äspö)
16_1_005	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																													(äspö)
16_1_006	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävro zone 14	Topo and geophysics	Fracture zone	ESE		Apparent 75m														x												Use ID21_3 instead, same geometry
16_1_007	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 15	Topo and geophysics	Fracture zone	ENE		Apparent 70m														x												Use ID21_3 instead, same geometry
16_1_008	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 16	Topo and geophysics	Fracture zone	SSE		Apparent 180m														x												Use ID21_3 instead, same geometry
16_1_009	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 13	Topo and geophysics	Fracture zone	NE		Apparent 90m														x												Use ID21_3 instead, same geometry
16_1_010	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 17	Topo and geophysics	Fracture zone	SE		Apparent 75m														x												Use ID21_3 instead, same geometry
16_1_011	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 18	Topo and geophysics	Fracture zone	ENE till NE		Apparent 65m														x												Use ID21_3 instead, same geometry
16_1_012	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 5	Topo and geophysics	Fracture zone	NE		Apparent 60m														x												Use ID21_3 instead, same geometry
16_1_013	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 10	Topo and geophysics	Fracture zone	ENE		Apparent 25m														x												Use ID21_3 instead, same geometry
16_1_014	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 6	Topo and geophysics	Fracture zone	NE		Apparent 60m														x												Use ID21_3 instead, same geometry
16_1_015	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 9	Topo and geophysics	Fracture zone	ENE		Apparent 25m														x												Use ID21_3 instead, same geometry
16_1_016	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 8	Topo and geophysics	Fracture zone	ENE		Apparent 25m														x												Use ID21_3 instead, same geometry
16_1_017	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 7	Topo and geophysics	Fracture zone	ENE		Apparent 50m														x												Use ID21_3 instead, same geometry
16_1_018	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 19	Topo and geophysics	Fracture zone	NNE		Apparent 80m														x												Use ID21_3 instead, same geometry
16_1_019	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 3	Topo and geophysics	Fracture zone	ENE		Apparent 90m														x												Use ID21_3 instead, same geometry
16_1_020	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Ävrö zone 20	Topo and geophysics	Fracture zone	NNE		Apparent 95m														x												Use ID21_3 instead, same geometry
16_1_021	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																									x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_022	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																									x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_023	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																									x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_024	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																									x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_025	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone	E-W		0.2-0.4m chlorite gouge	Chlorite																					x				(summary drawing- low confidence in zone placement--original tunnel mapping available-delete)
16_1_026	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Topo and geophysics	Fracture zone																									x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_027	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	CLAB1 'R' Fracture zone		Fracture zone	ONO	80S	>5m, from IDA, fracture zone c. 5m wide,																					x				(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_028	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	OI-III, Zone L		Fracture zone	from IDA, NE	15 SE	from IDA, c.10m .																			x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete) Dip from IDA, 15 SE

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_1_029	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone M		Fracture zone	from IDA, WNW	40S	from IDA, c.10m wide,	from IDA, chlroite	from IDA, clay																x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete) Dip from IDA, 40S
16_1_030	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors																								x							unspecified fracture zone, -original tunnel mapping available-delete
16_1_031	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone P		Fracture zone	from IDA, ENE	40S	from IDA, c.0.5m	from IDA, chlroite	from IDA, clay-																x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete) Dip from IDA, 40S
16_1_032	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone O		Fracture zone	from IDA, ENE	40S	from IDA, c.0.5m	from IDA, chlroite	from IDA, clay-																x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete) Dip from IDA, 40S
16_1_033	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone N		Fracture zone	from IDA, ENE	80S	from IDA, c.1m wide																		x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete) Dip from IDA, 80S
16_1_034	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors																								x							unspecified fracture zone, -original tunnel mapping available-delete
16_1_035	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors																								x							unspecified fracture zone, -original tunnel mapping available-delete
16_1_036	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	CLAB1 'Q' Fracture zone		Fracture zone	NE	45SE	2m wide, From IDA, c.0.25m wide		clay																				x				CLAB1 'Q' Fracture zone in underground excavation, 2m wide, with clay, NE strike dipping 45 degrees to SE. From IDA, c.0.25m wide - original tunnel mapping available-delete
16_1_037	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone A		Fracture zone	from IDA, NNE,		from IDA, c.0.5m wide	from IDA, chlroite																	x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_038	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone B		Fracture zone	from IDA, ENE,		from IDA, c. 5m wide																		x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_039	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone E		Fracture zone	from IDA, ENE	from IDA, 65S	from IDA, c.5m wide,	from IDA, Calcite filled breaks (0.2m)																	x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_040	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone C		Fracture zone	from IDA, ONO	from IDA, 85S	from IDA, c. 1m wide	from IDA, chlroite filled break																	x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_041	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone D		Shear zone	from IDA, NE	from IDA, 75SE	from IDA, c. 1m wide,																		x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_042	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone F		Fracture zone	from IDA, WNW	from IDA, 40S	from IDA, c. 2m wide		from IDA, clay																x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_043	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone G		Fracture zone	from IDA, WNW	from IDA, 85S	from IDAc. 1m wide,	from IDA, chlroite filled break																	x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_044	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone H		Fracture zone	from IDA, NE		from IDA, zone c. 100m wide with increased fracturing	from IDA, some chlorite filled fracs	from IDA, some clay filled frac																x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_045	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone I			from IDA, NNE		from IDA (c.5m)																		x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_046	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors																								x							unspecified fracture zone, -original tunnel mapping available-delete
16_1_047	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors																								x							unspecified fracture zone, -original tunnel mapping available-delete
16_1_048	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone J			from IDA, NE	from IDA, 65NW	from IDA, c. 10m wide,			from IDA, water leaking,															x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_1_049	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors	OI-III, Zone K			from IDA, NE	from IDA, 40NW	from IDA, c. 1m wide		from IDA, clay	from IDA, 'water leakage'															x							(summary drawing- low confidence in zone placement-original tunnel mapping available -delete)
16_2	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Åvrö området	Roy Stanfors													x	x	x									x							Geomapping, reactor building O III, bottom and walls. (poor copy, see ID4 instead)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_3	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors													x	x	x													x	x			Kartering, CLAB1, transport tunnel. Better quality copy taken from SYCON file, excluded 'cut and paste' CLAB1 bergrum mapping, instead use ID9_7 for the bergrum.
16_3_001	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 Mapping	gouge filled fracture	NW-SE,	30NE	(shown with an apparent width of <1m on the drawing)				1	ca,																		x			
16_3_002	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Zone 4	Clab 1 Mapping	brecciated zone of blocky rock, a broken pegmatite dyke and gouge along S boundary.	ID1_1_004 : N 40E,	90	2m (brecciated zone shown with an apparent width of approx' 1.5m on the drawing and the sköl with an apparent width of approximately 1m) ID9_7_001, ritad med apparent thickness 1.5m.		cm- wide gouge bands. From IDB Clay test CLAB003; mixed layer illite, chlorite and montmorillonite with weak swelling potential.	dripping	1	ca,																		x			(same as ID9_7_001 The slope on the walls of the tunnel mapping indicates that zone is not vertical. , ID1_1_004 CLAB 1, Zon 4,)
16_3_003	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Zone 3,	Clab 1 mapping	Brecciated blocky zone (2-3m apparent width) with a schistose zone (2-3m apparent width) along S boundary.	ID1_1_003: N 75E,	65S	Brecciated blocky zone (2-3m apparent width) with a schistose zone (2-3m apparent width) along S boundary. ID1_1_003: c. 8m, elsewhere true width quoted as 6m (same zone as ID9_7_014, there mapped as approx' 5m wide (apparent width), the		IDB:cm-wide clay bands	IDB: dripping water, localit running water, max 11l/min, 30% seawater (700mg Na/l), water inflow reduced in a few hours to 1.5 -2 l/min), a further two tests showed no presence of sea water 32-50 mg Na/l. (The higher initial flow was thought to be due to	1	ca,																		x			Dip acc. ID1_1_003: 65 S
16_3_004	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	W-E	45S	ID_D_5: <2m, ID_9_7 and ID16_3 with an apparent width of approx 0.5m)	Chlorite		Dripping	1	ca,																		x			(same zone as ID_9_7_002), Enligt ID_D_5 breddet är mindre än 2m (shown on ID_9_7 and ID16_3 with an apparent width of approx 0.5m)
16_3_005	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	NNW		ID_D_5 :<2m, ID_9_7 with an apparent width of approx 0.5m. Acc. ID1_2_009: <0,3m	Chlorite			1	ca,																		x			(same zone as ID9_7_013), Enligt ID_D_5 breddet är mindre än 2m, Enligt ID1_2_009 Rörelseplan (sköl) <0,3m bredd, CLAB 1 tunnel.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected geophysical profile	ÄVRÖ-HÅLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
16_3_006	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	NNW		ID_9_7 with an apparent width of approx 0.5m	Chlorite			1	ca,																			x			(same zone as ID9_7_012)
16_3_007	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	ESE		ID_9_7 : apparent width of approx 0.5-1.0m). Acc. ID1_2_008 shear zone <0,3m				1	ca,																			x			(same as ID9_7_008), (info' från IDB: förkastning med dm-stora rörelse) (shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_008 Rörelseplan (sköl) <0,3m bredd,
16_3_008	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	W-E		ID_9_7 : apparent width of approx 0.5-1.0m). Acc. ID1_2_007 <0,3m				1	ca,																			x			(shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_007 Rörelseplan (sköl) <0,3m bredd,
16_3_009	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors		Clab 1 mapping	gouge filled fracture	N-S	80E	ID_D_5 :< 2m, ID_9_7 apparent width of approx 0.5-1.0m). Acc. ID1_2_006 <0,3m				1	ca,																			x			(same as ID9_7_007), (info' från IDB: förkastning med dm-stora rörelse). Enligt ID_D_5 breddet är mindre än 2m (shown on ID_9_7 with an apparent width of approx 0.5-1.0m) Enligt ID1_2_006 Rörelseplan (sköl) <0,3m bredd,
21	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al													x	x						x												Fracture zones at Ävrö '87, high frequency of structures shown.
21_1	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al													x	x						x												Bedrock and lineaments 'verified in the field' '87,
21_1_001	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	W-E																x												Verification not substantiated
21_1_002	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NNE																x												Verification not substantiated
21_1_003	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NE																x												Verification not substantiated
21_1_004	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NE																x												Verification not substantiated
21_1_005	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NE																x												Verification not substantiated

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_1_006	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	W-E																x													Verification not substantiated
21_1_007	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	SE																x													Verification not substantiated
21_1_008	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NE																x													Verification not substantiated
21_1_009	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	ENE																x													Verification not substantiated
21_1_010	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	SE																x													Verification not substantiated
21_1_011	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	NE																x													Verification not substantiated
21_1_012	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	ESE																x													Verification not substantiated
21_1_013	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al		lineament 'verified in the field'	lineament	W-E																x													Verification not substantiated
21_2	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al													x							x													Interpreted zones '87, Ävrö, Hålö, (simplified version of ID 21_3, use 21_3 instead)
21_3	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.														x	x		x				x	x												Ävrö geophysical interpretation '87 -very high frequency of fracture zones.
21_3_001	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																		(äspö)
21_3_002	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																		(äspö)
21_3_003	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		(äspö) Zone 12,	ground surface geophysics,		N50-70E																														(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_004	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_005	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_006	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_007	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_008	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		(äspö) Zone 11,	ground surface geophysics,		N70-90E																													(äspö)
21_3_009	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_010	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 14	airborne geophysics		N70W-90W		apparent 80m				4	ad,									x	x												Zon 14, identified by airborne geophysics, strike N70-90W
21_3_011	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 15. From IDD13_002: seismic reflection survey 1997 Zone B. From ID1_1_007: Zone 1	geophysics. From IDD13_002: seismic reflection survey 1997, correlates with brecciated zone 400-500m in KAV01		N70E-90E, From ID1_1_007: N 75 E	35- 85S	apparent 75m				4	ad,									x	x												Zon 15, identified by ground surface geophysics, N70-90E. Dip from IDD13_002: 35 S, From ID1_1_007: 85S

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_012	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	From RS Consulting IDD_13_001	Zone 16	geophysics, BH AV1, AV3, Hav 3 From IDD_13_001: geophysics, BH KAV01 (AV1) between 418-578m and in KAV03, between 157m and bottom (249m). Hydrotests show that it is intercepted by HAV03.	From IDD_13_001: fracture zone	N10E-10W, in text as Strike N5W. From IDD_13_001: N5W	40W	apparent 175m, 'at least 120m' true thickness. From IDD_13_001: 120m		clay alteration.	High K, between 1.4E-6 and 3.0E-5 m/s. Saline water, specific conductivity of 900-1500 mS/m (Ävrö generally has 150-300 mS/m)	2	ab,									x	x													in Hav 3 the zone is characterized by tectonization, intense fracturing and clay alteration. High K, between 1.4E-6 and 3.0E-5 m/s, 2 to 3 orders of magnitude greater than the surrounding rock. Low bedrock resistivity. Mean fracture frequency in the zone
21_3_013	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 13, from IDD13_003: Zone A , similar to ID1_1_13, Zone 4	airborne geophysics, from IDD13_003: ground geophysics, similar to ID1_1_13, topo, BH Ä2 76-86m and BH geophysics		N30E-50E, similar to ID1_1_13, N55E	20-50NW	apparent 100m, similar to ID1_1_13, 9m in BH Ä2			similar to ID1_1_13, K= 2,4*10-6 m/s	4	ad,									x	x													From IDD_13_003 : Zone A dips approx 50 NW passing under KAV 01 at a depth of 900-1000m. Dips acc. IDD13_003: 50NW, similar to ID1_1_13, 20NW
21_3_014	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 20	geophysics		N10E-30E		apparent 90m				4	ad,									x	x												Zon 20, identified by ground surface geophysics reinterprtation of old 76-77 data,
21_3_015	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 3	geophysics		N70E-90E		apparent 90m				4	ad,									x	x												Member of lrm's ZS zone series from the RVS Ävrö model report (ID_l) ,
21_3_016	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 8	geophysics		N70E-90E		apparent 20m				4	ad,									x	x												Member of lrm's ZS zone series from the RVS Ävrö model report (ID_l),
21_3_017	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 7	geophysics		N70E-90E		apparent 40m				4	ad,									x	x												Member of lrm's ZS zone series from the RVS Ävrö model report (ID_l),
21_3_018	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 19	geophysics		N10E-30E		apparent 75m				4	ad,									x	x												Based on reinterprtation of old 76-77 data
21_3_019	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_020	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 10	geophysics		N70E-90E		apparent 30m				4	ad,									x	x												Member of lrm's ZS zone series from the RVS Ävrö model report (ID_I),
21_3_021	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 17	geophysics		N30W-50W		apparent 75m				4	ad,									x	x												
21_3_022	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 18	geophysics, topo depression, intersected by borehole Av1		N50E-70E		apparent 60m				4	ad,									x	x												
21_3_023	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_024	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_025	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 9	geophysics		N70E-90E		apparent 35m				4	ad,									x	x												Member of lrm's ZS zone series from the RVS Ävrö model report (ID_I),
21_3_026	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 35m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_027	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 5	airborne geophysics		N50E-70E		apparent 50m				4	ad,									x	x												
21_3_028	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.		Zone 6	geophysics		N30E-50E		apparent 50m				4	ad,									x	x												
21_3_029	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 50m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_030	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_031	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_032	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 50m				4	ad,									x	x												weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_033	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	too far north for Ävrö interest
21_3_034	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	too far north for Ävrö interest
21_3_035	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		W-E		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_036	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		W-E		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_037	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_038	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_039	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_040	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_041	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_042	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_043	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		N-S		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_044	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_045	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_046	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_047	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_048	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_049	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_050	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 30m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_051	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_052	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 35m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_053	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_054	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_055	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_056	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_057	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 25m				4	ad,									x	x											weakly indicated/minor fracture zone
21_3_058	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 20m				4	ad,									x	x											weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_059	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 15m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_060	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_061	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ESE		apparent 30m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_062	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 15m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_063	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ESE		apparent 30m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_064	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_065	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_066	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_067	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 15m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_068	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_069	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_070	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_071	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
21_3_072	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 20m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_073	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_074	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_075	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NNW		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_076	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSE		apparent 15m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_077	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ENE		apparent 25m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_078	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		NE		apparent 60m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_079	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_080	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_081	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.																																	(äspö)
21_3_082	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		SSO		apparent 40m				4	ad,									x	x												weakly indicated/minor fracture zone
21_3_083	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.			geophysics		ONO		apparent 15m				4	ad,									x	x												weakly indicated/minor fracture zone
21_4	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.														x			x																Resistivity map of Ävrö, including interpreted zones.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
32	PR-25-87-05, Fracture mapping on outcrops, findings of detailed and regional survey.	Ericsson															x					x				x				x				Detailed fracture mapping and fracture statistics covering Simpevarp peninsula, Åvrö and Äspö.
32_1	PR-25-87-05, Fracture mapping on outcrops, findings of detailed and regional survey.	Ericsson															x					x				x				x				Joint rosettes, regional
32_2	PR-25-87-05, Fracture mapping on outcrops, findings of detailed and regional survey.	Ericsson															x					x				x				x				Joint rosettes, local
38	PR 25-89-13	Stenberg, Sehlstedt													x			x				x												Geophysical profile measurements on interpreted regional aeromagnetic lineaments in the Simpevarp area. Major regional lineaments only. Airborne survey incl. Aeromagnetic. Interpreted profiles. Ingenting som påverkar projekt området, använda Simp V0 istä
38_1	PR 25-89-13	Stenberg, Sehlstedt													x			x				x												Geophysical profile measurements in the Simpevarp area, plan.
38_1_001	PR 25-89-13	Stenberg, Sehlstedt		geophysics	Regional lineament																	x												use version 0 instead
38_1_002	PR 25-89-13	Stenberg, Sehlstedt		geophysics	Regional lineament																													use version 0 instead
38_1_003	PR 25-89-13	Stenberg, Sehlstedt		geophysics	Regional lineament																	x												use version 0 instead
38_1_004	PR 25-89-13	Stenberg, Sehlstedt		geophysics	Regional lineament																	x												use version 0 instead
38_1_005	PR 25-89-13	Stenberg, Sehlstedt		geophysics	Regional lineament																	x												use version 0 instead
40	PR 25-89-23, Regional geological study, seismic refraction survey	Rydström, Greber													x			x																Seismic refraction survey, total length 2000m, 11 low velocity zones. Falls outside immediate project area
41	PR 25-89-23, Regional geological study, seismic refraction survey	Rydström, Greber																																See ID 40 (same reference)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
45	PR 25-87-14, se ID46; PR 25-88-16 geophysical measurements on the island of Äspö; PRAV 77/1, Geofysiska markundersökningar i Oskarshamn; (PR 25-87-16 seeID21)																	x			x													PR 25-87-14, see ID46 same reference. PR 25-88-16, study limited to Äspö island (ID45_1). PRAV77/1, Electromagnetic measurements VLF over Ävrö (poor copy); investigation of the bedrock's elastic constants incl. Småland granite.
45_1	PR 25-87-14, se ID46; PR 25-88-16 geophysical measurements on the island of Äspö; PRAV 77/1, Geofysiska markundersökningar i Oskarshamn; (PR 25-87-16 seeID21)																	x																PR 25-88-16, Plan view, ground geophysical measurements, limited to Äspö island.
45_2	PR 25-87-14, se ID46; PR 25-88-16 geophysical measurements on the island of Äspö; PRAV 77/1, Geofysiska markundersökningar i Oskarshamn; (PR 25-87-16 seeID21)																				x	x												PRAV77/1 Measurement locations, investigation of bedrock elastic properties
46	PR 25-87-14, Seismic and geoelectrical test survey on Ävro; PR 25-89-02, Shallow reflection seismic profiles from Äspö	C Ploug; K Klitten												x																				(äspö) PR 25-89-02, Limited to Äspö, layout plan, seismikc profiles. Raw data and text description along with interpretations. PR 25-87-14, layout plan, seismic profiles and electrical soundings (ID46_2 och ID46_3) but no interpretation in figure format;
46_1	PR 25-87-14, Seismic and geoelectrical test survey on Ävro; PR 25-89-02, Shallow reflection seismic profiles from Äspö	C Ploug; K Klitten												x				x																(äspö) PR 25-89-02, plan layout, seismic profiles
46_2	PR 25-87-14, Seismic and geoelectrical test survey on Ävro; PR 25-89-02, Shallow reflection seismic profiles from Äspö	C Ploug; K Klitten												x				x				x												PR 25-87-14, plan layout, seismic profiles- included in ID H_2
46_3	PR 25-87-14, Seismic and geoelectrical test survey on Ävro; PR 25-89-02, Shallow reflection seismic profiles from Äspö	C Ploug; K Klitten												x				x				x												PR 25-87-14, plan layout, electrical soundings, included in ID H_2
49	L Eriksson 1976	SGU, SKB																																–
55	Översiktlig geologisk kartering av terrängen öster om Simpevarps by samt förslag till borrningsprogram för Oskarshamns kärnkraftverk, 1965	Hagconsult													x	x	x		x							x								Incomplete report. General description of geomapping results.
55_1	Översiktlig geologisk kartering av terrängen öster om Simpevarps by samt förslag till borrningsprogram för Oskarshamns kärnkraftverk, 1965	Hagconsult													x		x									x								Overview map, no rock type information visible, probable weakness and fracture zones shown along the tunnel line.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-II	Ol-II selected zone ref	Ol-II selected low velocity point	Ol-II selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
56	Hagkonsult 9091185	Hagconsult																																–
57	Hagkonsult, 9011-4.4, 1969, Markundersökning. Geologisk undersökning inom området för aggregat II, OII, Simpevarp	Hagconsult, (fick från OKG												x	x	x	x									x								Tunnel mapping with weakness zone descriptions in text; repetition of fig ID15_4 Oskarshamn power station geological overview and borehole plan; repetition of ID15_4 Intake tunnel, major structures; repetition av ID15_3 tailrace tunnel, major structures.
57_1	Hagkonsult, 9011-4.4, 1969, Markundersökning. Geologisk undersökning inom området för aggregat II, OII, Simpevarp	Hagconsult, (fick från OKG												x	x		x									x								OII, tailrace area Aggr.II plan, hammer borehole positions, brecciated zones and larger fracture shown. Sections through borehole presented in the report. However all are short (10m) boreholes.
58	Non specific reference	Hagconsult																																–
59	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)													x	x	x		x							x								One and a half sides of text; short but clear summary of mapping results
59_1	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)													x	x	x		x							x	x							OII intake tunnel geo mapping. General comments from the text: fracture frequency is moderate. Brecciated zones consist of broken and generally with chlorite, calcite and clay alteration. These minerals are common in the gouge filled fractures. Red zones
59_1_001	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	fracture zone	ESE	20S	1m	gouge of chlorite and clay,	gouge of chlorite and clay,	dripping	1	oa,													x	x							
59_1_002	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	"Red zone'	ENE	80S	ca. 5m, brecciated along the northern	chlorite	clay	dripping	1	oa,														x	x							Brecciated along the northern boundary,

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
59_1_003	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	Complex, compound zone	NE	70E	total width ca. 2-3m; crush zone >1m wide, joint swarm 2m wide, crosscuting chlorite, calcite and clay shearzone,	chlorite, calcite	clay	dripping	1	oa,														x	x							
59_1_004	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	"Red zone'	SE	75N	ca. 10-15m		clay gouge on southern boundary,	dripping	1	oa,														x	x							
59_1_005	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)		OII tunnel geo mapping	Brecciated zone	ENE	60S	0.1-1m class	chlorite, calcite,	clay,	dripping	1	oa,														x	x							
60	PM beträffande geologiska förutsättningarna samt för-slag till bergundersökningar för OIII. -'Geologisk fältkartering inom området för reaktor III samt inom om-rådena för tilloppstunnel från Tallskär.	Hagconsult 1974																															N/A
61	Seismisk undersökning utefter planerad tilloppstunnel till OIII. 1090 m seismisk undersökning utefter intressanta avsnitt av 2 alter-nativa sträckningar av tilloppstunnel från Tallskär.	Hagconsult 1975																															N/A
62	Oskarshamnsverket III, Simpevarp. Orienterande grund-undersökning för djupvattenintag. Sammanfattande utlåtande. Ekolodning och seismik vid Mårdskär.	Hagconsult 1976																															N/A
63	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980												x				x	x														Appendices to the main report: 1. Report covering seismic investigations at OIII, figures ID63_1 to ID63_5; 2. Report covering rockhead soundings and water loss measurements at OIII; 3. Report covering TV borehole inspections at OIII; 4. Report covering
63_1	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980												x	x			x									x	x		x				Plan layout, ground investigations, hammer hole soundings, rockhead soundings incl. seismic profile alignments (interpretation as per ID63_2 to 4 and larger interpreted fracture zones (based on Hagkonsult 1975)),

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected geophysical profile	ÅVRÖ-HÅLÖ selected low velocity point	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_a	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S101
63_1_b	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S102
63_1_c	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S103
63_1_d	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S104
63_1_e	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S105
63_1_f	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S106
63_1_g	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S107
63_1_h	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,													x			x					Seismic profile S108

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-lll	Ol-lll selected zone ref	Ol-lll selected low velocity point	Ol-lll selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_i	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,														x			x					Seismic profile S109
63_1_j	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,														x			x					Seismic profile S110
63_1_k	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,														x			x					Seismic profileHagkonsult P2
63_1_l	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,														x			x					Seismic profile Hagkonsult P5
63_1_m	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980										5	oe,														x			x					Seismic profile Hagkonsult P6
63_1_001	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		WNW						1	od,														x	x							unclear if supported by local mapping and drillng information.
63_1_002	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,														x	x							unclear if supported by local mapping and drillng information.
63_1_003	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,														x	x							unclear if supported by local mapping and drillng information.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_004	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_005	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_006	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ENE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_007	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_008	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_009	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		NE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_010	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SW						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_011	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drillng information.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	Ol-III	Ol-III selected zone ref	Ol-III selected low velocity point	Ol-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
63_1_012	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		ESE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_013	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_014	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		SE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_1_015	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980		topo, seismic,		E-W to SE						1	od,													x	x						unclear if supported by local mapping and drillng information.
63_2	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980													x			x								x							Interpreted seismic profiles S101-S104, see ID63_1 for locations
63_3	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980																x								x							Interpreted seismic profiles S105-S108, see ID63_1 for locations
63_4	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976																x								x							Interpreted seismic profiles S109-S110, see ID63_1 for locations
63_5	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980												x	x				x								x							Rockhead soundings, water loss measurements, geophysical borehole logging Rb1 to 4. Short holes but include interpreted larger weakness zones.

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÅVRÖ-HÅLÖ	ÅVRÖ-HÅLÖ selected zone ref	ÅVRÖ-HÅLÖ selected low velocity point	ÅVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
64	Geologisk-bergteknisk utredning för centralt avfallslager i berg, Oskarshamnsverket III (OIII), Simpevarp, 1976	Hagconsult (fick från OKG)																								x								Summary of results without the actual results themselves. Short descriptions of descriptions of groundwater, the rockmass and boreholes.
64_1	Geologisk-bergteknisk utredning för centralt avfallslager i berg, Oskarshamnsverket III (OIII), Simpevarp, 1976	Hagconsult (fick från OKG)																								x								Layout plan showing borehole positions
67	KBS Teknisk rapport nr 59, Tom Flodén																																	All data falls outside the project area
68	Prav Rapport 4.1, Leif Eriksson, Kurt Å Magnusson																																	Ref GDA:BRAP00007 = PRAV 77/1 (according to SGU Library search), see ID45
73	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978												x	x	x		x																incl. Detailed water loss measurements in BH1 (80m deep)
73_1	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978												x	x	x		x				x			x									Potential CLAB 1 Geological summary (Åvrö)
73_1_a	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x									Seismic profile S1 (numbers come from ID73_2)
73_1_b	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x									Seismic profile S2 (numbers come from ID73_2)
73_1_c	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978										5	ae,									x			x									Seismic profile S3 (numbers come from ID73_2)

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected geophysical profile	ÄVRÖ-HÄLÖ selected low velocity point	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
73_1_001	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		NE																x												not selected for inclusion, RS
73_1_002	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		ESE																x												not selected for inclusion, RS
73_1_003	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		SE																x												not selected for inclusion, RS
73_1_004	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		SE																x												not selected for inclusion, RS
73_1_005	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		E-W																x												not selected for inclusion, RS
73_1_006	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		ENE-NE																x												not selected for inclusion, RS
73_1_007	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		ENE-NE																x												not selected for inclusion, RS
73_1_008	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		topo and seismic		E-W																x												not selected for inclusion, RS
73_2	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978													x			x				x												Seismic investigations with plan layout (interpreted profiles (Ävrö)- shown in ID73_1)
73_3	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978												x	x	x		x												x				CLAB 1 Geological summary (Simp), (seismic profiles, repeat of ID73_1)
73_3_001	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_002	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_003	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÄLÖ	ÄVRÖ-HÄLÖ selected zone ref	ÄVRÖ-HÄLÖ selected low velocity point	ÄVRÖ-HÄLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
73_3_004	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_005	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_006	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_007	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_008	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_009	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_010	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
73_3_011	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978		seismic and/or structural geologically indicated	minor weakness zone						judged as moderately water bearing																			x				
544	PR 25-87-01 Geophysical profile measurements	SKB, Leif Stenberg																																see ID21_3
544_1																																		Too far from project area
544_1_001																																		Too far from project area
544_1_002																																		Too far from project area

XXXX Black text=text taken directly from the reference
XXXX Red text=comments by Curtis
XXXX Green text=text taken directly from one reference and then transferred to another location in the table to aid the description of a particular deformation zone or other feature
XXXX Blue text=refers specifically to geophysical data

Line styles- 1 solid red line = mapping on surface or underground
2 red dash dot line = topo and/or geophysical indications supported locally by borehole or mapping evidence

3 red dash thick line = topo and/or geophysical indications- regional scale from Version =0
4 red dash thin line = topo and/or geophysical indications

5 blue line = geophysical profile

ID_Nr	Reference	Data source	Zone or lineament Name	Source	Type	Strike	Dip	Width	Mineral-isation	Clay	Water	Style	MI_SELECT	Borehole	Interpreted zones	Rocktype mapping	Joint mapping, joint statistics	Geophysics	Groundwater	Grouting	Deformation, in situ stress	ÄVRÖ-HÅLÖ	ÄVRÖ-HÅLÖ selected zone ref	ÄVRÖ-HÅLÖ selected low velocity point	ÄVRÖ-HÅLÖ selected geophysical profile	OI-III	OI-III selected zone ref	OI-III selected low velocity point	OI-III selected geophysical profile	CLAB	CLAB selected zone ref	CLAB selected low velocity point	CLAB selected geophysical profile	Comments
										6	blue square = geophysical low velocity location																								
										7	green dash dot line = topo and/or geophysical indications supported locally by borehole or mapping evidence (Irms Ävrö report)																								
										8	green dash thin line = topo and/or geophysical indications (Irms Ävrö report)																								
									MI_SELECT	ca,	CLAB, mapping underground																								
										cb,	CLAB, topo and/or geophysical indications supported locally by borehole or mapping evidence																								
										cc,	CLAB, topo and/or geophysical indications- regional scale from Version =0																								
										cd,	CLAB, topo and/or geophysical indications																								
										ce,	CLAB, geophysical profile																								
										cf,	CLAB, geophysical low velocity location																								
										cg,	CLAB, mapping on the surface																								
										äa,	Ävrö-Hålö, mapping underground																								
										äb,	Ävrö-Hålö, topo and/or geophysical indications supported locally by borehole or mapping evidence																								
										äc,	Ävrö-Hålö, topo and/or geophysical indications- regional scale from Version =0																								
										äd,	Ävrö-Hålö, topo and/or geophysical indications																								
										äe,	Ävrö-Hålö, geophysical profile																								
										äf,	Ävrö-Hålö, geophysical low velocity location																								
										äg,	Ävrö-Hålö, topo and/or geophysical indications supported locally by borehole or mapping evidence, (Irms Ävrö report)																								
										äh,	Ävrö-Hålö, topo and/or geophysical indications, (Irms Ävrö report)																								
										äi,	Ävrö-Hålö, mapping on the surface																								
										oa,	OI-III, mapping underground																								
										ob,	OI-III, topo and/or geophysical indications supported locally by borehole or mapping evidence																								
										oc,	OI-III, topo and/or geophysical indications- regional scale from Version =0																								
										od,	OI-III, topo and/or geophysical indications																								
										oe,	OI-III, geophysical profile																								
										of,	OI-III, geophysical low velocity location																								
										og,	OI-III, mapping on the surface																								

APPENDIX I

Traceability of original reference numbers:

ref: SKB P103, 2002-05-15

At a meeting held on 2002-04-24, a preliminary list of references was presented. The aim of the reference selection was to identify key data that was not stored in SICADA but was considered of relevance to SKB's ongoing ground investigations, across the Simpevarp peninsula. Each reference had been previously assigned an ID number during the data inventory phase of the earlier Simpevarp- site descriptive model version 0 project (R-02-35). The preliminary list of reference ID's consisted of the following:

ID.

1, 2, 3, 6, 8, 9, 10, 11, 12, 14, 15, 45, 46, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 67 and 73.

After further consideration the list was expanded to include the following additional references:

ID.

4, 16, 21, 32, 38, 40, 41, 49, 68, 232, 544, 545, 546, 547, 548 and 552.

Details of the reference documents are a presented in the table below. The first column contains the original reference ID number from the Version 0 data inventory, which has been maintained in the current project. The second column contains a summary of a description of each reference taken from the Version 0 data inventory. The third column contains a description of the reference created during the present project. The fourth column gives a general description of the data source. The fifth and final column, titled ***comments***, includes information relevant to the reference documents.

Further details describing the specific data extracted from each reference are presented in Appendices E to H.

Explanatory notes:

In certain cases the description of the reference material from Version 0 and the current project do not agree in detail. The reason for this is that several of the Version 0 IDs gave a reference description that was essentially a general topic rather than a specific report. eg ID 12, *Information om tunnlar. Mätningar av olika slag, Simpevarpshalvön, O-I, O-II, O-III, tunnlar. Div.ritningar och rapporter i osorterad form vid RS Consulting*. In such cases, all of the reference reports, drawings and data stored at RS Consulting were gone through and the individual reports and drawings were assigned to the ID number whose description best fitted the document contents. These documents pertaining to each ID number are now labelled and physically collected and stored in separately numbered files.

In the Version 0 data inventory, a number of ID references were taken from a list of various Hagkonsult reports with descriptions. The reports themselves have proved to be unobtainable to date. These reports are identified by the text *'NOT AVAILABLE'* in the comments column.

In the Version 0 data inventory, a number of ID references referred to the same document. In some cases this was due to a simple repeat of the same reference material. In other cases this was due to the fact that during the Version 0 data inventory, information within a single report was subdivided into different types of data and awarded its own ID number. In this way a single report could be coupled to a number of different ID numbers. This degree of subdivision and detail was not consistent throughout the list of references. Because of this, during the current project, a single report was allocated to one of the references and fully described under that heading in the data inventory (see Appendices E to H). Where the same report was encountered again in the reference the duplication was noted by appropriate text eg. *ID547, report PR25-87-15 (see ID6, same reference).*

(see attached CD)

Microsoft Excel
kalkylblad

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
A	Added reference	Diverse documentation including: Sammanställning av geo-data för Simpevarp- Ävrö (compilation of geodata for Simpevarp- Ävrö)	RS Consulting	Loose 'Ävrö fracture zones figure' and Ävrö ground investigation data, hammer borehole logs for HAV4 och HAV5 (50m djupt), se ID1_1. Short descriptions found in the text of the 'fracture zones found in underground structures' (zones A to S) have been inc
B	Added reference	Diverse CLAB documentation, incl. Clab 1 byggnadsgeologiskuppföllning (construction phase geological reports)	RS Consulting	Clab 1 byggnadsgeologiskuppfölning av transporttunnel, bergschakt ovan jord och förvaringsbyggnad (text beskrivning) E modul, begränsad vattenförlustmätning i D101 till D112 (korta BH, plan finns), deformationsmätningar men flera detaljer i IDC; ler analy
C	Added reference	Diverse CLAB documentation, incl. Clab 1, Simpevarp berggrunds undersökning 1978, (various reports and documents covering site investigations for Clab 1). Clab 1 byggnadsgeologiskuppföllning (construction phase geolog	RS Consulting	Clab, Simpevarp site investigations 1978 (1 of 2 red files containing a compilation of diverse documents, incl. BH details (9 x approx. 70m), BH plan, BH logs, fracture frequency, rock types, K test data etc. 'Clab 1 reports' (2nd of 2 red files contain
D	Added reference	Förstudie Oskarshamn, AR L-98-24, AR L-98-22. (Feasability study Oskarshamn (2 reports))	RS Consulting	AR L-98-24, Förstudie Oskarshamn, Simpevarpshalvön - sammanställning av befintlig geoinformation (Feasability study Oskarshamn- Simpevarp peninsula, compilation of existing geodata) AR L-98-22, Förstudie Oskarshamn, Ävrö - sammanställning av befintlig ge
E	Added reference	Simpevarp regional model area, Version 0. (SKB draft report)	SKB (sycon)	Simpevarp regional Model (V0) Fig 4-8, RVS structural model - lineaments and deformation zones (local major and regional)
G	Added reference	Hagkonsult 8091152, 1978 Utlåtande beträffande vattenläckage till bergrums-anläggningen för lagring av låg- och medelaktivt avfall, Simpevarp (report on water inflows to the CLAB	Hagkonsult (incomplete report from OKG and RS Consulting)	Incomplete report from OKG. Short description of rock and groundwater conditions, drawings missing.

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
H	Added reference	SKB Tekniskt PM Nr. 25-89-003, Översiktlig beskrivning av berggrunden i Simpervarps området,(general description of rock conditions on Simpevarp peninsula) 1989, av R. Stanfors	SKB	Regional summary report with focus on Äspö but including Ävrö and Hålö
I	Added reference	SKB, R-01-06, RVS-modellering, Ävrö, Markström and Stanfors, 2001	SKB	Primarily an RVS modelling exercise rather than an 'approved' structural geological model- lrm/RS comment. Note that a digital 3D structural geological model exists in RVS version 3
J	Added reference	SKB, HRL-96-19, Overview of documentation of tunnel, niches and core boreholes, Markstöm and Erlström, 1996	SKB, Sycon archive	Original digital source of mapping data from the Äspö underground hard rock laboratory access tunnel
1	SKBF-KBS AR 8.4-14	SKBF-KBS AR 8.4-14. Sammanställning och utvärdering av berggrundsgeologiska och hydrologiska förhållanden i simpevarpsområdet. (Compilation and assessment of geology and hydrology of the Simpevarp area) B. Gentzschein, V. Stejskal	SKB	Geology: limited description of Ävrö and CLAB area. Reference is made to more detailed descriptions available in Moberg M 1979, CLAB Simpevarp site investigation, Vattenfall 1979-01-23 och Eriksson K, 1982 CLAB Eng Geol construction reports for transport
2	Hydrodata. SKBF-KBS AR 8.4-14	Same reference as ID1	SKB	Same reference as ID1
3	SKBF-KBS AK K-0-6:1R6	SKBF-KBS AK K-0-6:1R6, Om de geologiska, särskilt spricktektoniska förhållandena på halvön nordost om Simpevarp, Misterhults socken. 1959	Walter Larsson	Five sides of text including a short summary of fieldwork and site inspection for the O1 siting and seismic risk. -better coverage of these topics are available elsewhere.
4	Ritning nr 30-92-33	OIII 'Ritning nr 30-92-33	Reidar Hoffner	O III Reactor building geological mapping of the floor and walls, see ID8 for other mapping. Incl. memo, Commentary on the mapping work, OIII incl. Weakness zone descriptons
6	SKB PR-87-15	SKB PR-87-15 Seismic refraction investigation at Äspö	Sture Sundin, SKB	Seismic refraction profiles- rockhead level and low velocity zones. Local to Äspö, only the southern end of profile S8701, in the vicinity of Hålö, is geographically relevant. Both raw and intrepreted data are presented.
8	O III. Geokartering, slutrapport	O III. Geokartering, slutrapport (geological mapping of excavations, final report)	Hoffner-Stanfors, OKG	Short description of Simpevarp peninsula geology, site investigation for the inake tunnel and deep water intake structure, cored drillholes KBH 2 to KBH 11 short holes (15m) drilled upwards from the tunnel incl. BH logs;limited grouting report and minutes

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
9	Berggrundsundersökning Clab2. SKB PR-97-06	SKB PR-97-06, CLAB Etapp 2 Projekt rapport, berggrundsundersökningar 1995 och 1997	Stanfors et.al.	1978 Seismic profiles, plan with low velocity positions (ID9_1);1995 och 1997 seismic profiles, plan with low velocity positions (ID9_3), interpretation of profile LS135 cavern CLAB2 in appendix 1. Core and hammer hole positions 1995 and 1997 (ID9_4), 199
10	Roy Stanfors, 'Simpevarpshalvön, O-I, O-II, O-III, tunnlar, 'VBB, Hagconsult, Konsortier. '1959-ca 1985. 'Div.ritningar och rapporter i osorterad form	Roy Stanfors	VBB, Hagconsult, Konsortier	Mapping of drillcores from 1981-01 in intake tunnel part 1, section 0/024, short summary of result in text format, multiple brecciated zones. O III intake tunnel corehole Nr 1 from section 0/023.5 photos 0-71m. -cross-ckeck content with SICADA data orde
11	'Seismik och loggningar, 'Roy Stanfors 'Simpevarpshalvön, O-I, O-II, O-III, tunnlar. 'Div.ritningar och rapporter i osorterad form	Roy Stanfors, Rapport över utförde seismiska undersökningar vid OIII (kort), enstaka ritningar	Roy Stanfors	Seismic reflection survey, O III, 1980, deep water intake and intake tunnel, plan och profiles
12	'Information om tunnlar, 'Mätningar av olika slag, 'Simpevarpshalvön, O-I, O-II, O-III, tunnlar' Div.ritningar och rapporter i osorterad form	Roy Stanfors, no specific reference, information included in other ID references DELETED		–
14	Byggn.geol uppföljning CLAB2	CLAB stage 2 Construction geo documentation 2001, Project PM TP-01-02, PPM 97-3450-12 BH TV images from KSI 31 and KSI 32, PPM 97-3450-15 Rock stress in KSI 32	SKB-report Johan Berglund,	Extensive geomapping of CLAB2, only major structures have been included here, a complete coverage of detailed mapping results are available. Incl. Petrographic analysis of rock types, clay analysis, water chemistry. Groundwater around CLAB, monitored time
15	Geokartering, O-I, O-II. Oskarshamnsverken. Roy S.'VBB, (Hagkonsult)'1969	Oskarshamnsverken. Roy S.	VBB, (Hagkonsult)	Individuial drawings. Geological field mapping in the general OI area 1969, 1:1000. Summary figure of OI tunnel mapping showing main tectonic features (intake to tailraice I). OII, ; PM angående grundundersökningar, '69 -ref; ground investigations- genera

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
16	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Tekn.PM 25-87-019, Sammanställning av data från Simpevarp-Ävrö området	Roy Stanfors	Sammanställning av geodata från Simpevarp-Ävrö området, (Compilation of geodata covering the Simpevarp-Ävrö area) RS '87, with plan of fracture zones and short text descriptions. (includes CLAB area)
21	PR-25-87-16	PR-25-87-16, Preliminary investigations of fracture zone at Ävrö- results of investigations performed July '86 -May '87.	Gentzschein et.al	Fracture zones at Ävrö '87, high frequency of structures shown.
32	Ericsson, 1987, Rapp, diagram	PR-25-87-05, Fracture mapping on outcrops, findings of detailed and regional survey.	Ericsson	Detailed fracture mapping and fracture statistics covering Simpevarp peninsula, Ävrö and Äspö.
38	PR 25-89-13	PR 25-89-13	Stenberg, Sehlstedt	Geophysical profile measurements on interpreted regional aeromagnetic lineaments in the Simpevarp area. Major regional lineaments only. Airborne survey incl. Aeromagnetic. Interpreted profiles. Ingenting som påverkar projekt området, använda Simp V0 istä
40	PR 25-89-23	PR 25-89-23, Regional geological study, seismic refraction survey	Rydström, Greber	Seismic refraction survey, total length 2000m, 11 low velocity zones. Falls outside immediate project area
41	PR 25-89-23	PR 25-89-23, Regional geological study, seismic refraction survey	Rydström, Greber	See ID 40 (same reference)
45	PR 25-87-14; PR 25-88-16; PRAV 77/1; PR 25-87-16	PR 25-87-14, se ID46; PR 25-88-16 geophysical measurements on the island of Äspö; PRAV 77/1, Geofysiska markundersökningar i Oskarshamn; (PR 25-87-16 seeID21)		PR 25-87-14, see ID46 same reference. PR 25-88-16, study limited to Äspö island (ID45_1). PRAV77/1, Electromagnetic measurements VLF over Ävrö (poor copy); investigation of the bedrock's elastic constants incl. Smålland granite.
46	PR 25-87-14; PR 25-89-02	PR 25-87-14, Seismic and geoelectrical test survey on Ävro; PR 25-89-02, Shallow reflection seismic profiles from Äspö	C Ploug; K Klitten	(äspö) PR 25-89-02, Limited to Äspö, layout plan, seismikc profiles. Raw data and text description along with interpretations. PR 25-87-14, layout plan, seismic profiles and electrical soundings (ID46_2 och ID46_3) but no interpretation in figure format;
49	L Eriksson 1976,Uppdrag för PRAV	L Eriksson 1976	SGU, SKB	–
55	Översiktlig geologisk kartering av terrängen öster om Simpevarps by samt förslag till borrningsprogram för Oskarshamns kärnkraftverk. Litteraturförteckning Hagconsult 9091185	Översiktlig geologisk kartering av terrängen öster om Simpevarps by samt förslag till borrningsprogram för Oskarshamns kärnkraftverk, 1965	Hagconsult	Incomplete report. General description of geomapping results.

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56	Geologisk fältkartering av området för reaktor I, 15 st jord-berg-sonderingar, 3 bergborrhål. 'Litteraturförteckning Hagconsult 9091185	Hagkonsult 9091185	Hagconsult	NOT AVAILABLE
57	Förslag till undersökningsborrningar vid Oskarshamns-verket för aggregat II alt. 2 och dess utloppstunnel. Litteraturförteckning Hagconsult 9091185.	Hagkonsult, 9011-4.4, 1969, Markundersökning. Geologisk undersökning inom området för aggregat II, OII, Simpevarp	Hagconsult, (fick från OKG)	Tunnel mapping with weakness zone descriptions in text; repetition of fig ID15_4 Oskarshamn power station geological overview and borehole plan; repetition of ID15_4 Intake tunnel, major structures; repetition av ID15_3 tailrace tunnel, major structures.
58	Geologisk fältkartering över området för reaktor II, geologisk kar-tering av tunnlama för reaktor I, bormingar för utloppsområdet för tunnel II. Litteraturförteckning Hagconsult 9091185	Non specific reference	Hagconsult	–
59	Geologisk och bergteknisk kartering av tilloppstunnel II. Litteraturförteckning Hagconsult 9091185.	Hagkonsult, 9011-4.8, 1972, Markundersökning. Geologisk och bergteknisk kartering av tillopstunnel, Oskarshamnsverket II (OII)	Hagconsult, (from OKG)	One and a half sides of text; short but clear summary of mapping results
60	Geologisk fältkartering inom området för reaktor III samt inom om-rådena för tilloppstunnel från Tallskär. Litteraturförteckning Hagconsult 9091185.	PM beträffande geologiska förutsättningarna samt för-slag till bergundersökningar för OIII. -'Geologisk fältkartering inom området för reaktor III samt inom om-rådena för tilloppstunnel från Tallskär.	Hagconsult 1974	NOT AVAILABLE
61	Seismisk undersökning utefter planerad tilloppstunnel till OIII.'1090 m seismisk undersökning utefter intressanta avsnitt av 2 alter-nativa sträckningar av tilloppstunnel från Tallskär. 'Litteraturförteckning Hagconsult	Seismisk undersökning utefter planerad tilloppstunnel till OIII. 1090 m seismisk undersökning utefter intressanta avsnitt av 2 alter-nativa sträckningar av tilloppstunnel från Tallskär.	Hagconsult 1975	NOT AVAILABLE

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
62	Oskarshamnsverket III, Simpevarp. Orienterande grund-undersökning för djupvattenintag. Sammanfattande utlåtande. Litteraturförteckning Hagconsult 9091185	Oskarshamnsverket III, Simpevarp. Orienterande grund-undersökning för djupvattenintag. Sammanfattande utlåtande. Ekolodning och seismik vid Mårdskär.	Hagconsult 1976	NOT AVAILABLE
63	Oskarshamnsverket III, Simpevarp. Utlåtande beträffande geologiska-bergtekniska förhållanden. Litteraturförteckning Hagconsult 9091185	A3359, Utlåtande över de geologiska och bergtekniska förhållandena för Oskarshamnsverket III, Simpevarp Etapp 1, 1980 (** inte 1976 men referens till Hagkonsult 1976, uppdaterings rapport?)	Hagconsult 1976, VBB 1980	Appendices to the main report: 1. Report covering seismic investigations at OIII, figures ID63_1 to ID63_5; 2. Report covering rockhead soundings and water loss measurements at OIII; 3. Report covering TV borehole inspections at OIII; 4. Report covering
64	Geologisk-bergteknisk utredning för centralt avfalls-lager i berg. Oskarshamnsverket III, Simpevarp. Litteraturförteckning Hagconsult 9091185.	Geologisk-bergteknisk utredning för centralt avfallslager i berg, Oskarshamnsverket III (OIII), Simpevarp, 1976	Hagconsult (fick från OKG)	Summary of results without the actual results themselves. Short descriptions of descriptions of groundwater, the rockmass and boreholes.
67	Tectonic lineaments in the Baltic from Gävle to Simrishamn.	KBS Teknisk rapport nr 59, Tom Flodén	SKB	All data falls outside the project area
68	Geofysiska markundersökningar i Oskarshamn. Prav Rapport 4.1, Leif Eriksson, Kurt Å Magnusson. Litteraturförteckning Hagconsult	Prav Rapport 4.1, Leif Eriksson, Kurt Å Magnusson	Hagkonsult	Ref GDA:BRAP00007 = PRAV 77/1 (according to SGU Library search), see ID45
73	Centralt mellanlager för använt bränsle.Jämförande geologisk och bergteknisk studie beträffande bergrums-förläggning inom två områden vid Simpevarp.	7093503, CLAB, Jämförande geologisk och bergteknisk studie beträffande bergrumsförläggning inom två områden vid Simpevarp	Hagconsult, 1978	incl. Detailed water loss measurements in BH1 (80m deep)
232	Geofysiska markundersökningar i Oskarshamn 06H3a:1. Eriksson Leif; Magnusson Kurt Å, GDA:BRAP00007, SI: 9 DI: 4 TA: 2 KA: 7 SP: Sve, AD. SGU berggrundsbyråns arkiv ID; GDA:BRAP00007; ME: papper, 1977		SGU	Ref GDA:BRAP00007 = PRAV 77/1 (SGU Bibliotek sök), se ID45
544	GROUND GEOPHYSICS Magnetic. PR 25-87-01, PR 25-87-16, PRAV 77/1, PR 25-88-16 (fig 2-4, SKB TR 97-02)	PR 25-87-01 Geophysical profile measurements (fig 2-4, SKB TR 97-02)	SKB, Leif Stenberg	PR 25-87-01 Geophysical measurements (LS), magnetometer och VLF, rå och tolkad data. Laxemar data, minimal intresse (fig 4.5, se ID544_1), inkl.dubbel data från ID21 (see ID21_3)
545	GROUND GEOPHYSICS VLF. PR 25-87-01, PR 25-87-16, PRAV 77/1, PR 25-88-16. (fig 2-4 and 2-5, SKB TR 97-02)	(fig 2-4 and 2-5, SKB TR 97-02)	SKB	PR 25-87-01 (se ID 544 samma referens); PR 25-87-16 (se ID21, samma referens); PRAV 77/1 (se ID45, samma referens); PR 25-88-16 (se ID 45, samma referens)

ID.Nr	Selected reference description according to SKB's original list. (Extracted from Version 0 data	Reference description from current project.	Data source	Comments
546	GROUND GEOPHYSICS Slingram. PR 25-87-01, PR 25-87-16, PRAV 77/1, PR 25-88-16. (fig 2-4 and 2-5, SKB TR 97-02)	(fig 2-4 and 2-5, SKB TR 97-02)	SKB	PR 25-87-01 (se ID 544, samma referens); PR 25-87-16 (se ID 21, samma referens); PRAV 77/1 (se ID45, samma referens); PR 25-88-16 (se ID45, samma referens)
547	GROUND GEOPHYSICS Seismic refraction. PR 25-87-15 (fig 2-4 and 2-5, SKB TR 97-02)	(fig 2-4 and 2-5, SKB TR 97-02)	SKB	PR 25-87-15 (se ID6, samma referens)
548	GROUND GEOPHYSICS Seismic refraction. PR 25-89-02. PR 25-87-14	(fig 2-6,SKB TR 97-02).	SKB	PR 25-89-02 (se ID 46, samma referens); PR 25-87-14 (se ID 45, samma referens)
552	Understanding the geological history of the rocks and to study the main sets of tectonic zones.PR 25-88-05, PR 25-89-11 PR 25-89-15	(figure 2-7, SKB TR 97-02)	SKB	Fracture mapping study on Äspö island outcrop number 141-176, 179-194 (plan view showing area covered by study)