

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA

RECORD 1991/7

**INVENTORY OF KNOWN AND INFERRED POINT
SOURCES OF GROUNDWATER CONTAMINATION
IN THE PERTH BASIN, W.A.**

by

K.-J. HIRSCHBERG



**DEPARTMENT OF MINES
WESTERN AUSTRALIA**



Geological Survey of Western Australia

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Contents

Introduction.....	1
Contamination classification	2
Location system	2
Maps	3
Reference.....	3
Groundwater pollution inventory	8

Figures

1. Location map, Perth Basin.....	4
2. Key to contamination group symbols.....	5
3. Key to location of contamination sites.....	6
4. Index to map sheets.....	7

Maps (in pocket)

1. Groundwater contamination sites, proven and inferred, Perth Basin North, 1:500 000 scale	
2. Groundwater contamination sites, proven and inferred, Perth Basin South, 1:500 000 scale	
3. Perth North groundwater contamination sites, proven and inferred, 1:100 000 scale	
4. Perth South groundwater contamination sites, proven and inferred, 1:100 000 scale	

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Keywords: groundwater, contamination, point source, inventory,
Perth Basin

Introduction

The Perth Basin extends south from near Northampton to Augusta, and from the coast in the west to the Darling Scarp in the east (Figure 1). Within the basin are large resources of fresh groundwater, often at shallow depth. The basin is also the area in which most of Western Australia's population resides, and in many areas the water requirements rely heavily on these groundwater resources.

Human activities of a wide variety, e.g. industrial developments, agriculture, and domestic waste disposal, result in groundwater contamination, which could eventually render at least part of the groundwater resource unusable for human consumption, and pose a threat to a healthy environment. Petrol stations, with the associated problem of leaking underground fuel-storage tanks, are the subject of a special study and are not considered here.

Most of the data on point sources of groundwater contamination are held by various state and local government authorities, and also by private companies. Access to some of these data has been difficult, and no overview of the location and extent of these sources exists.

This study has been undertaken to determine the location and importance of point sources of contamination which may affect groundwater resources in the Perth Basin, and to compile the resultant data in one readily accessible file with a uniform classification system. It is an extension of an inventory for the Perth metropolitan region, given by Hirschberg (1988). The data for the Perth Basin have been obtained by interviews with all local authorities, and inspections of a limited number of sites. The acquisition of data for the Perth metropolitan region also involved consultation with a number of government agencies, and a large number of site visits and investigations. The data for the Perth area have been updated and are included in this listing for completeness. The present

inventory supersedes and replaces Hirschberg (1988). The data are also intended to be used with groundwater vulnerability maps of the same area, presently being compiled by the Geological Survey.

The data are stored in a computer database and the information contained in the accompanying printout can also be made available in diskette form.

Contamination classification

Particular activities can be expected to produce a typical range of contaminants. After discussions with officers of the Chemistry Centre (WA), the point sources of groundwater contamination were grouped into seven major categories reflecting a specific range of activities, with particular contaminants being expected. The seven major contamination groups and their letter and map symbols are shown in Figure 2.

Location system

The information presented in the inventory for each point source consists of the primary grid reference, which determines its location within the various map series of the Australian Map Grid. The grid reference is followed by a reference number, eastings and northings, the letter symbol for the respective activity group, and a description of the activity, as demonstrated in the example given in Figure 3.

The inventory has been sorted according to the primary grid reference, in an alpha-numerical sequence.

The primary grid reference commences with the alpha-numerical identification of the 1:250 000 map sheet (e.g. SH/50-14), then proceeds to the numerical identification of the 1:100 000 map (e.g. 2034), followed by the number of the 1:50 000 map in roman numerals (e.g. III), and finally the 1:25 000 map identification (e.g. SW).

The reference number to the right of the primary grid reference is a consecutive number given for each contamination site within a 1:25 000 map sheet area.

The values for the eastings and northings allow the location of any site to within 100 m. The computer-sorting follows a descending order from north to south within each 1:25 000 map sheet. For the Perth metropolitan region, they are further sorted according to the major contamination groups.

Maps

The inventory is accompanied by four maps. The first two, at a scale of 1:500 000 (Perth Basin North Sheet and Perth Basin South Sheet), cover the northern and southern parts of the Perth Basin, respectively. The second two maps, at a scale of 1:100 000 (Perth North Sheet and Perth South Sheet), fall on Perth Basin South Sheet and have been published previously (Hirschberg, 1988). They are based on the cadastral maps of the Perth metropolitan region and provide detailed coverage of the Perth area but do not show the results of the updating contained in this inventory.

An index to the map coverage for the Perth Basin showing the two 1:100 000 cadastral maps of the Perth metropolitan region inventory, and the two 1:500 000 map sheets for the Perth Basin inventory, together with 1:250 000 and 1:100 000 map coverage is shown in Figure 4.

Reference

HIRSCHBERG, K-J, 1988, Inventory of proven and inferred groundwater contamination sites - To accompany Perth North and Perth South 1:100 000 map sheets: Western Australia, Geological Survey, Record 1988/4.

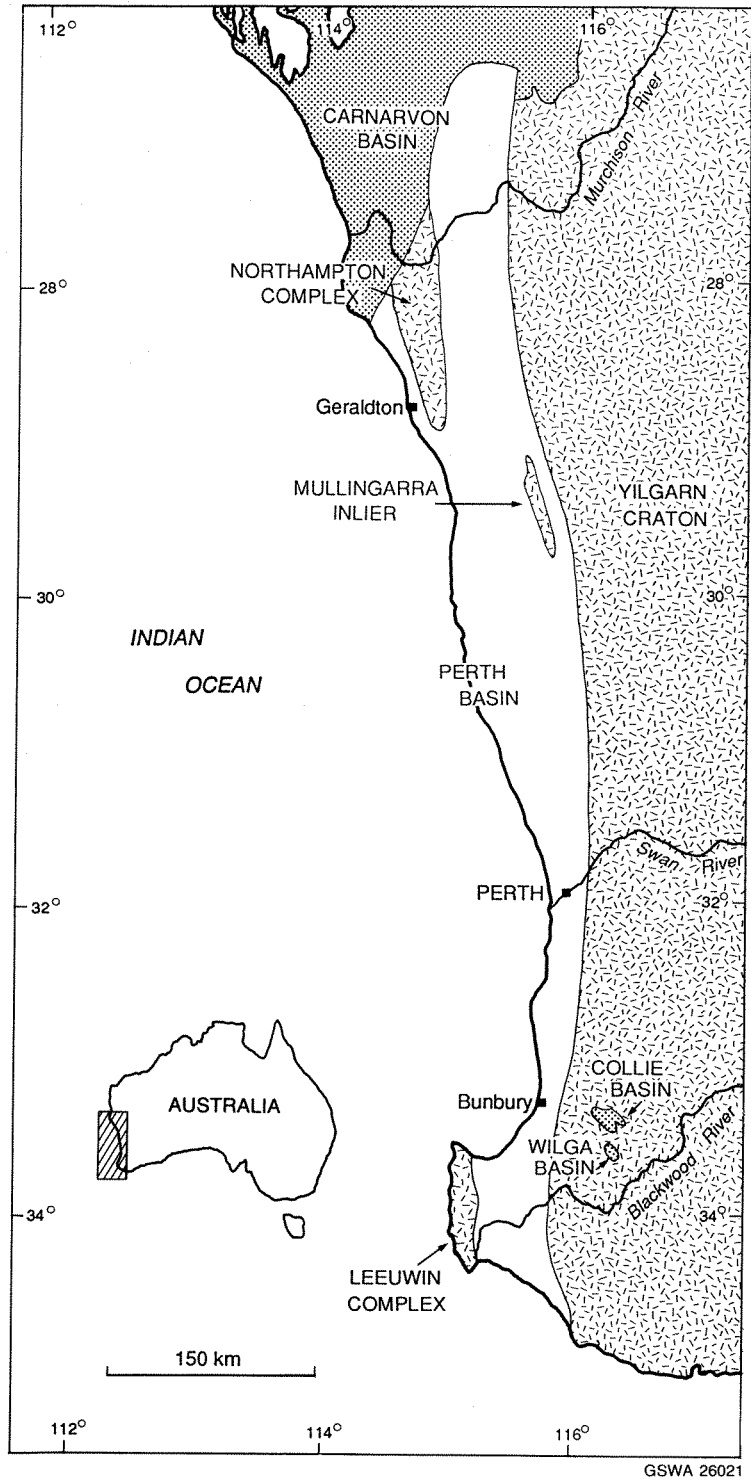
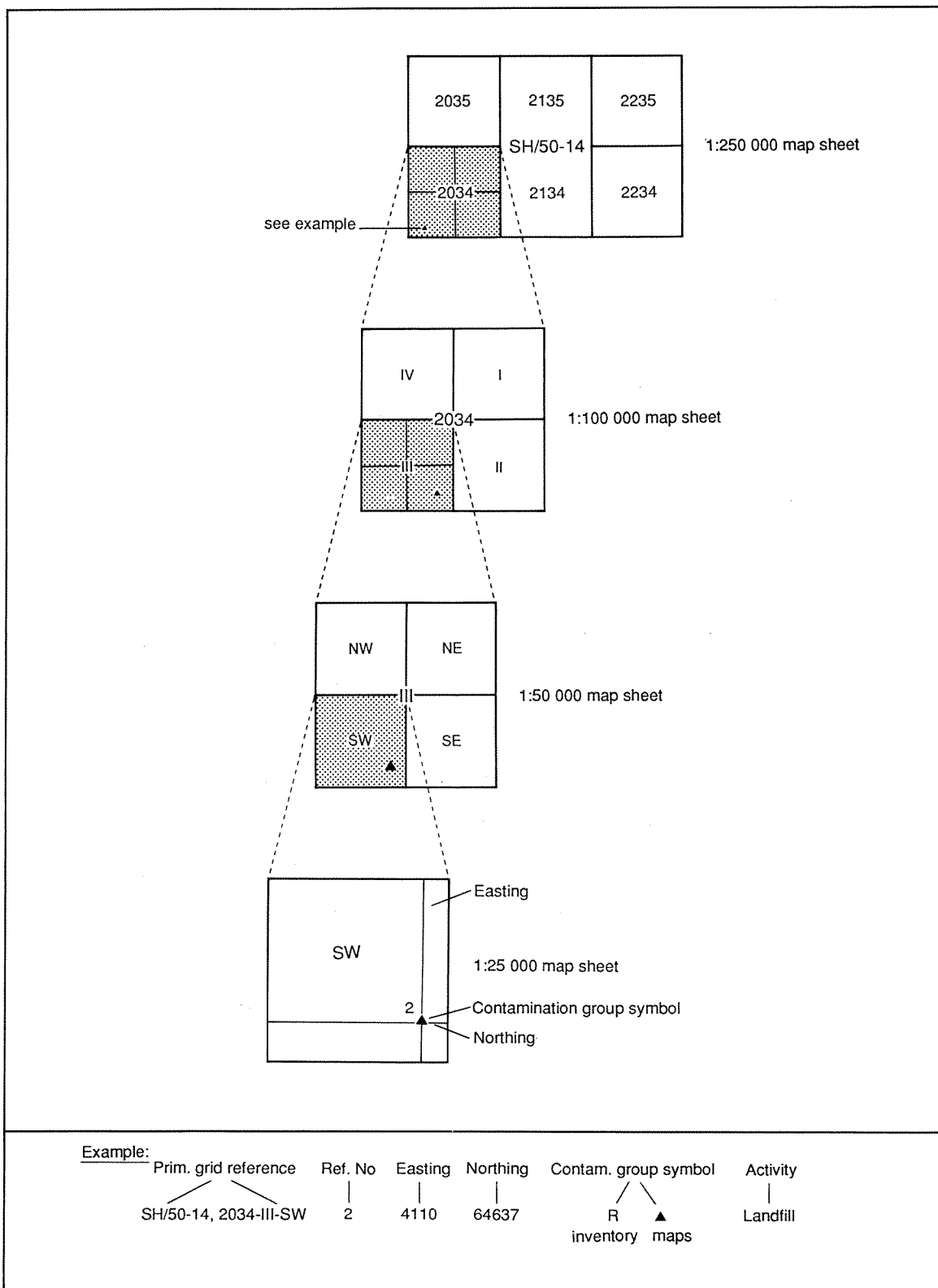


Figure 1. Location map, Perth Basin

COMPUTER LIST	MAP	
R	▲	Landfill sites
L	▼	Liquid disposal sites
A	—	Animal-based waste
I	●	Industrial waste
C	■	Chemicals, fertilisers
F	◐	Food industry waste
B	+	Cemeteries, animal disposal

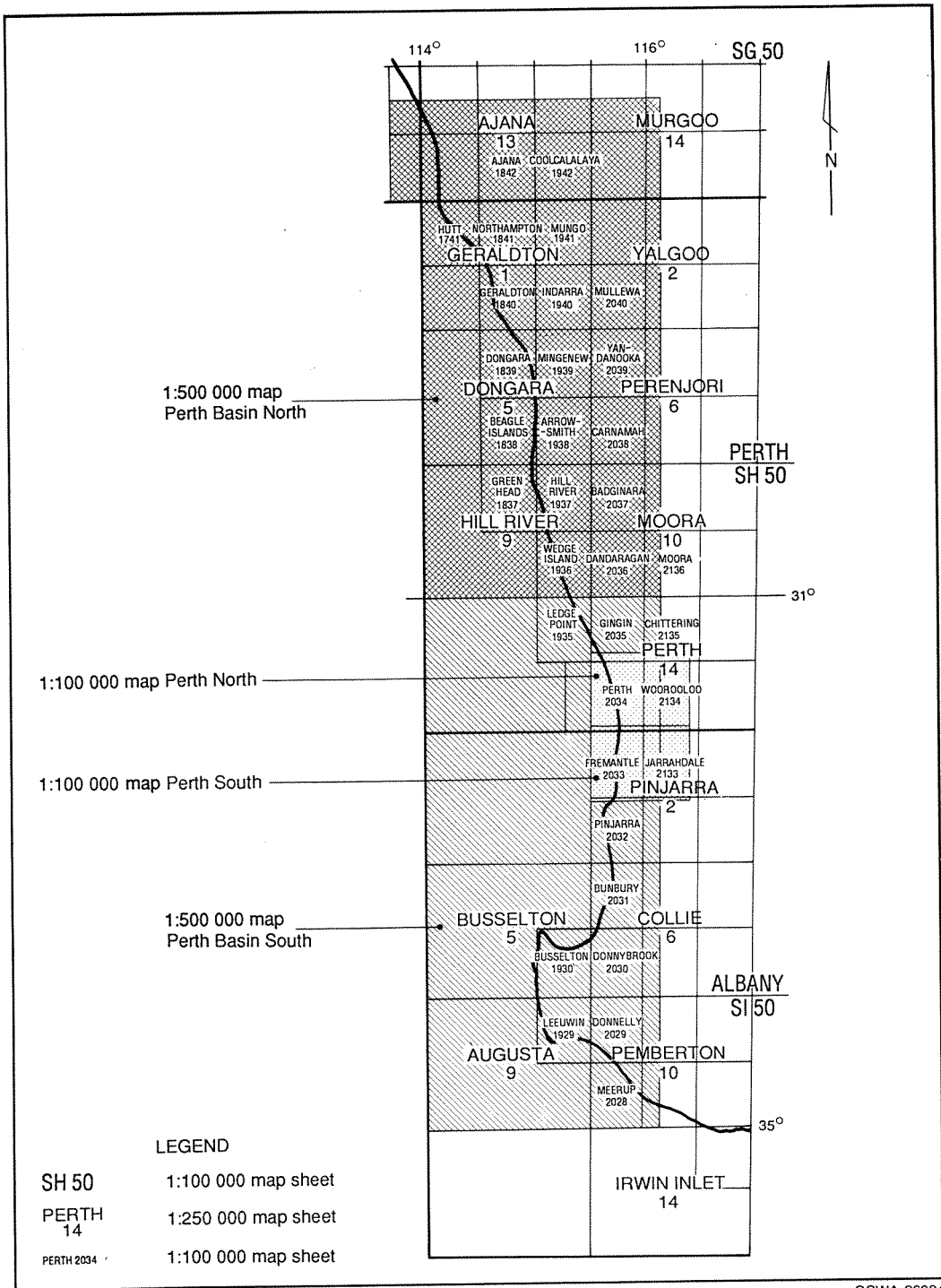
GSWA 26022

Figure 2. Key to contamination group symbols



GSWA 26023

Figure 3. Key to location of contamination sites



GSWA 26024

Figure 4. Index to map sheets

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
		MAP REFERENCE: SG/50-13,1742-IV-SE			
SG/50-13,1742-IV-SE	1	2214	69324	L	Sewage treatm plant Kalb.
	2	2215	69322	B	Kalbarri cemetery
	3	2215	69319	RL	Landfill Kalbarri
	4	2185	69275	L	Red Bluff Caravan Park
		MAP REFERENCE: SH/50-01,1741-I-NE			
SH/50-01,1741-I-NE	1	2494	68978	A	Piggery
		MAP REFERENCE: SH/50-01,1741-I-SW			
SH/50-01,1741-I-SW	1	2306	68792	R	Landfill Port Gregory
	2	2301	68786	L	Port Gregory Caravan Park
		MAP REFERENCE: SH/50-01,1741-II-SE			
SH/50-01,1741-II-SE	1	2482	68585	R	Landfill Horrocks
	2	2481	68578	L	Horrocks Beach Carav Pk
		MAP REFERENCE: SH/50-01,1840-I-NW			
SH/50-01,1840-I-NW	1	2829	68436	B	Nabawa cemetery
	2	2807	68424	R	Landfill site Nanson
		MAP REFERENCE: SH/50-01,1840-I-SW			
SH/50-01,1840-I-SW	1	2901	68183	A	Piggery
		MAP REFERENCE: SH/50-01,1840-II-SW			
SH/50-01,1840-II-SW	1	2911	67982	R	Aband landfill
	2	2870	67969	A	Piggery
	3	2829	67915	L	S-Bend Caravan Park
		MAP REFERENCE: SH/50-01,1840-III-NE			
SH/50-01,1840-III-NE	1	2699	68172	L	Septics disposal
	2	2682	68168	C	Fertilizer manuf
	3	2691	68161	I	Chrome + gold plating
	4	2700	68154	L	Sewage treatm plant
	5	2697	68148	RL	Landfill + septics
	6	2699	68146	I	Bitumen batching
	7	2802	68146	A	Piggery
	8	2777	68145	R	Landfill Moonyoonooka
	9	2698	68141	B	Cemetery
	10	2799	68137	A	Abattoir
	11	2745	68136	A	Piggery
	12	2751	68134	A	Piggery
	13	2727	68106	I	Mech workshop
	14	2729	68100	C	Paint manuf
	15	2750	68098	I	Mech workshop
	16	2744	68095	I	Mech workshop
	17	2730	68094	I	Mineral sand processing
	18	2751	68091	A	Tannery
	19	2745	68000	R	Aband landfill
	20	2751	68089	A	Abattoir Narngulu
	21	2695	68070	L	Sewage treatm plant
	22	2718	68058	A	Piggery
	23	2694	68049	L	Greenough Caravan Park

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SH/50-01,1840-III-NW					
SH/50-01,1840-III-NW	1	2675	68146	B	Old cemetery
	2	2638	68138	L	Belair Caravan Park
	3	2667	68136	L	Ger. Regional Hospital
	4	2649	68135	R	Aband landfill
	5	2672	68135	L	Hospital
	6	2654	68129	L	Separation Point Car. Pk.
	7	2673	68121	R	Aband landfill
	8	2677	68112	L	Tarcoola Caravan Park
MAP REFERENCE: SH/50-01,1840-III-SE					
SH/50-01,1840-III-SE	1	2728	68031	A	Abattoir
	2	2729	68030	A	Piggery
	3	2798	68030	A	Poultry processing
	4	2795	67971	B	Old cemetery Greenough
	5	2789	67969	A	Piggery
	6	2797	67950	A	Piggery
	7	2798	67943	A	Piggery
MAP REFERENCE: SH/50-01,1840-IV-SE					
SH/50-01,1840-IV-SE	1	2699	68248	R	Aband landfill
	2	2692	68243	A	Piggery
	3	2689	68227	L	Swagman Caravan Park
	4	2699	68219	A	Piggery
	5	2709	68218	I	Fibreglass products
MAP REFERENCE: SH/50-01,1840-IV-SW					
SH/50-01,1840-IV-SW	1	2676	68235	A	Piggery
	2	2675	68200	L	Caravan park
	3	2677	68195	L	Nazareth House
MAP REFERENCE: SH/50-01,1841-II-SW					
SH/50-01,1841-II-SW	1	2836	68462	A	Abattoir
MAP REFERENCE: SH/50-01,1841-III-NE					
SH/50-01,1841-III-NE	1	2685	68622	B	Cemetery Northampton
	2	2681	68614	L	Northampton Hospital
	3	2677	68613	L	Northampton Caravan Park
	4	2697	68600	R	Aband landfill
MAP REFERENCE: SH/50-01,1841-III-NW					
SH/50-01,1841-III-NW	1	2670	68672	A	Piggery
	2	2671	68615	RL	Landfill + septic
MAP REFERENCE: SH/50-01,1841-IV-NE					
SH/50-01,1841-IV-NE	1	2709	68963	R	Landfill Binnu
MAP REFERENCE: SH/50-01,1940-I-NE					
SH/50-01,1940-I-NE	1	3530	68405	A	Piggery
MAP REFERENCE: SH/50-01,1940-I-NW					
SH/50-01,1940-I-NW	1	3398	68342	R	Landfill
MAP REFERENCE: SH/50-01,1940-III-SE					
SH/50-01,1940-III-SE	1	3242	68007	A	Piggery
MAP REFERENCE: SH/50-01,1940-IV-SE					
SH/50-01,1940-IV-SE	1	3239	6825	2	A Piggery

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SH/50-01,1941-III-NW					
SH/50-01,1941-III-NW	1	3046	68643	R	Landfill Yuna
MAP REFERENCE: SH/50-02,2040-IV-NW					
SH/50-02,2040-IV-NW	1	3536	68446	RL	Landfill + septics
	2	3537	68445	BA	band cemetery (Pioneer)
	3	3545	68432	L	Sewage treatment ponds
	4	3535	68422	L	Mullewa Caravan Park
MAP REFERENCE: SH/50-02,2040-IV-SW					
SH/50-02,2040-IV-SW	1	3546	68316	B	Cemetery Mullewa
MAP REFERENCE: SH/50-05,1838-II-SE					
SH/50-05,1838-II-SE	1	3056	66862	L	Sew. treatm plant Leem.
	2	3046	66846	L	Snag Island Caravan Park
	3	3055	66858	RL	Aband landfill + septics
	4	3048	66800	RL	Landfill + septics
MAP REFERENCE: SH/50-05,1839-I-SE					
SH/50-05,1839-I-SE	1	2989	67627	L	Old Mill Caravan Park
MAP REFERENCE: SH/50-05,1839-II-NE					
SH/50-05,1839-II-NE	1	2993	67624	I	Concrete batching
	2	2982	67623	B	Dongara cemetery
	3	2979	67620	L	Seaspray Caravan Park
	4	2982	67603	L	Denison Strata Park
	5	2980	67601	L	South Beach Caravan Park
	6	2987	67598	RL	Landfill + septics
	7	2984	67595	R	Aband landfill
	8	2976	67592	L	Caravan park
MAP REFERENCE: SH/50-05,1938-II-NW					
SH/50-05,1938-II-NW	1	3396	67040	L	Udale Caravan Park
	2	3342	66964	R	Landfill Eneabba
MAP REFERENCE: SH/50-05,1938-IV-SE					
SH/50-05,1938-IV-SE	1	3282	67213	L	Queen's Caravan Park
MAP REFERENCE: SH/50-05,1939-I-SE					
SH/50-05,1939-I-SE	1	3485	67697	L	Mingenew Caravan Park
	2	3461	67696	B	Mingenew cemetery
	3	3490	67676	RL	Landfill + septics
MAP REFERENCE: SH/50-05,1939-II-NW					
SH/50-05,1939-II-NW	1	3310	67512	A	Piggery
MAP REFERENCE: SH/50-06,2038-I-NW					
SH/50-06,2038-I-NW	1	3824	67342	B	Cemetery
	2	3803	67315	L	Sewage treatm plant
	3	3838	67299	A	Abattoir
	4	3796	67294	R	Landfill
MAP REFERENCE: SH/50-06,2038-I-SE					
SH/50-06,2038-I-SE	1	3927	67156	L	Sewage treatment ponds
	2	3928	67155	L	Carnamah Caravan Park
	3	3940	67153	R	Landfill
	4	3915	67145	RL	Aband landfill + septics

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
		MAP REFERENCE: SH/50-06,2038-I-SW			
SH/50-06,2038-I-SW	1	3911	67145	A	Piggery
	2	3910	67144	A	Abattoir
		MAP REFERENCE: SH/50-06,2038-II-NE			
SH/50-06,2038-II-NE	1	4002	67063	B	Cemetery Winchester
		MAP REFERENCE: SH/50-06,2038-IV-NW			
SH/50-06,2038-IV-NW	1	3566	67290	A	Cattle feedlot
		MAP REFERENCE: SH/50-06,2039-III-NW			
SH/50-06,2039-III-NW	1	3606	67565	R	Landfill Yandanooka
		MAP REFERENCE: SH/50-06,2039-III-SE			
SH/50-06,2039-III-SE	1	3669	67412	R	Landfill Arrino
		MAP REFERENCE: SH/50-09,1837-I-NE			
SH/50-09,1837-I-NE	1	3047	66733	R	Aband landfill Greenhead
	2	3039	66718	L	Greenhead Caravan Park
		MAP REFERENCE: SH/50-09,1936-IV-NW			
SH/50-09,1936-IV-NW	1	3142	66241	L	Cervantes Caravan Park
		MAP REFERENCE: SH/50-09,1937-III-NW			
SH/50-09,1937-III-NW	1	3141	66478	B	Jurien cemetery
	2	3170	66465	RL	Landfill + septics
	3	3113	66458	L	Jurien Caravan Park
	4	3134	66456	L	Sewage treatm plant
		MAP REFERENCE: SH/50-09,1937-III-SW			
SH/50-09,1937-III-SW	1	3152	66244	RL	Landfill + septics
		MAP REFERENCE: SH/50-10,2036-I-SE			
SH/50-10,2036-I-SE	1	4007	66103	B	Moorra cemetery
	2	3999	66101	R	Landfill
	3	4016	66099	L	Sewage treatm plant
		MAP REFERENCE: SH/50-10,2036-IV-SE			
SH/50-10,2036-IV-SE	1	3760	66084	B	Dandaragan cemetery
	2	3750	66057	R	Landfill
		MAP REFERENCE: SH/50-10,2037-III-SW			
SH/50-10,2037-III-SW	1	3618	66354	R	Landfill Badgingarra
		MAP REFERENCE: SH/50-14,1935-I-NE			
SH/50-14,1935-I-NE	1	3558	65693	A	Piggery
	2	3533	65668	A	Rabbit farm
	3	3451	65578	R	Landfill Ledge Point
		MAP REFERENCE: SH/50-14,1935-I-NW			
SH/50-14,1935-I-NW	1	3402	65685	L	Northend Caravan Park
	2	3410	65669	I	Cement batching
	3	3410	65667	A	Rock lobster processing
	4	3405	65663	L	Southend Caravan Park
	5	3435	65648	L	Sewage treatm plant
	6	3432	65647	R	Landfill Lancelin
	7	3445	65579	L	Sewage treatm plant
	8	3446	65572	L	Ledge Point Caravan Park

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
		MAP REFERENCE: SH/50-14,1935-II-NE			
SH/50-14,1935-II-NE	1	3526	65413	R	Landfill Seabird
	2	3515	65387	L	Seabird Caravan Park
	3	3570	65305	L	Guilderton Caravan Park
		MAP REFERENCE: SH/50-14,2034-I-SE			
SH/50-14,2034-I-SE	1	4003	64979	A	Piggery
	2	4022	64973	A	Piggery
	3	4004	64970	A	Piggery
	4	4025	64913	A	Piggery
	5	4022	64909	A	Piggery
	6	4031	64907	A	Piggery
	7	4031	64897	A	Piggery
	8	4045	64877	A	Piggery
		MAP REFERENCE: SH/50-14,2034-I-SW			
SH/50-14,2034-I-SW	1	3875	64951	R	Aband landfill
	2	3891	64977	A	Piggery
	3	3818	64967	A	Piggery
	4	3885	64955	A	Piggery
	5	3888	64955	A	Piggery
	6	3890	64936	A	Piggery
	7	3934	64925	A	Piggery
	8	3911	64869	A	Piggery
		MAP REFERENCE: SH/50-14,2034-II-NE			
SH/50-14,2034-II-NE	1	4011	64822	L	Liqu disp site
	2	4043	64767	L	Caravan park
	3	4015	64754	A	Piggery
	4	4034	64754	A	Piggery
	5	3952	64743	I	Plastics manufact
	6	4053	64813	F	Wine making
	7	3941	64743	F	Bakery
	8	4046	64735	F	Wine production
		MAP REFERENCE: SH/50-14,2034-II-NW			
SH/50-14,2034-II-NW	1	3866	64856	R	Aband landfill
	2	3867	64843	L	Caravan park
	3	3923	64838	L	Caravan park
	4	3899	64818	R	Landfill site
	5	3878	64808	L	Caravan park
	6	3897	64768	R	Aband landfill
	7	3935	64740	LR	Landfill,exp liq sep disp
	8	3884	64738	L	Night soil disp
	9	3922	64861	A	Piggery
	10	3918	64797	A	Piggery
	11	3905	64796	A	Piggery
	12	3880	64818	I	Bitumen products
	13	3912	64812	I	Fibreglass manufact
	14	3885	64743	I	Assay laboratory
	15	3882	64740	I	Plaster ceilings manufact
	16	3890	64739	I	Radiol. clinic
	17	3869	64738	I	Paper bags manufact
	18	3878	64820	C	Chemicals manufact
	19	3884	64743	C	Chem formulator
	20	3883	64739	C	Chem manufact
	21	3917	64857	F	Vegie packer
	22	3890	64796	F	Yeast extraction
	23	3892	64789	F	Brewery waste disposal

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SH/50-14,2034-II-NW	24	3855	64797	B	Cemetery
	25	3842	64833	L	Wastewater treatm. plant
MAP REFERENCE: SH/50-14,2034-II-SE					
SH/50-14,2034-II-SE	1	4048	64715	R	Aband landfill
	2	4005	64670	L	Home for the retarded
	3	3994	64685	R	Aband landfill
	4	3980	64667	R	Aband landfill
	5	3963	64665	R	Aband landfill
	6	3973	64654	R	Aband landfill
	7	3975	64644	L	Hospital
	8	4034	64623	L	Liquid disposal site
	9	4049	64614	R	Landfill
	10	4052	64612	R	Aband landfill
	11	4041	64608	L	Aband liqu disposal site
	12	4052	64722	A	Feedlot sheep live export
	13	3982	64637	A	Leather treatm.(saddles)
	14	4017	64610	A	Woolscouring
	15	3957	64706	I	Drycleaners
	16	3958	64702	I	Drycleaners
	17	3977	64698	I	Chrome platers
	18	3991	64696	I	Casting sand disposal
	19	4001	64695	I	Eng comp chrome platg
	20	3938	64693	I	Metal plating
	21	3938	64693	I	Metal finishing
	22	3975	64693	I	Chrome plating
	23	3984	64693	I	Plating shop
	24	3940	64692	I	Battery manufact
	25	3974	64692	I	Bitumen storage, prop manuf
	26	3989	64692	I	Engineering works
	27	4023	64689	I	Building material
	28	3979	64688	I	Plating and plumbing
	29	3986	64688	I	Foundry
	30	3993	64687	I	Machinery manufact
	31	4022	64687	I	Workshop
	32	3991	64686	I	Mech workshop
	33	3977	64685	I	Ceilings manu, metal etch
	34	3989	64685	I	Printing shop
	35	3979	64684	I	Drilling equip manufact
	36	3977	64682	I	Analyt lab
	37	3982	64679	I	Insulation material
	38	4017	64667	I	plane cleaning-servicing
	39	3941	64648	I	Power generation
	40	3979	64647	I	Analyt lab
	41	3938	64646	I	Bus depot
	42	3948	64644	R	Old landfill
	43	3979	64644	I	Analyt lab
	44	3982	64640	I	Steel fabricators
	45	3983	64640	I	Foundry
	46	3980	64638	I	Anodising works
	47	3980	64637	I	Metal finishing shop
	48	3987	64637	I	Drycleaner & laundry
	49	3989	64637	I	Aluminium fabricators
	50	3958	64636	I	Cement manufact
	51	3980	64636	I	Platers
	52	3982	64636	I	Anodising works
	53	3985	64636	I	Engineering comp
	54	4040	64636	I	Radiator-engine cleaning
	55	3938	64633	I	Bus depot

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SH/50-14,2034-II-SE	56	3998	64620	I	Dry cleaners
	57	4007	64616	I	Foundry & engine works
	58	4016	64615	I	Photographic shop
	59	4019	64615	I	Engine components
	60	4022	64615	I	Platers
	61	4020	64614	I	Metallurgical labs
	62	4022	64614	I	Metal finishing shop
	63	4005	64613	I	Engineering works
	64	4007	64613	I	Engine recond
	65	4017	64613	I	Diesel & elect engineers
	66	4021	64613	I	Forklift manuf & serv
	67	4018	64612	I	Haulage,vehicle washg
	68	4022	64610	I	Tank cleaning
	69	3998	64609	I	Rd equip hire services
	70	4000	64608	I	Freight comp
	71	3998	64607	I	Grind hardchrome manuf
	72	3982	64606	I	Bitumen plant
	73	4009	64606	I	Metal finishing shop
	74	3984	64605	I	Service depot
	75	3994	64605	I	Metal finishing shop
	76	4002	64604	I	Solar hot water sys, plat
	77	4011	64604	I	Plastics manufact
	78	3987	64603	I	Radiator manufact
	79	4011	64603	I	Corrosion proofing
	80	4022	64603	I	Analyt lab
	81	3989	64602	I	Surface mounting technol
	82	3992	64602	I	Metal manufact & finisher
	83	4000	64602	I	Wood products
	84	3999	64600	I	Cement sludge dewater
	85	4018	64600	I	Build contr.plant maint
	86	3999	64598	I	Anodising shop
	87	3995	64695	C	Fertilizer production
	88	3939	64692	C	Chem batching & formul
	89	3971	64691	C	paint manufact
	90	3987	64682	C	Fertilizer prod & storage
	91	3985	64653	C	Paint manufact
	92	3982	64645	C	Chem/pharmac processor
	93	4007	64617	C	Chem manufact
	94	4022	64617	C	Paint manufact
	95	4007	64616	C	Industrial chemicals
	97	4005	64614	C	Chem manufact
	98	3994	64605	C	Chem manufact
	99	3993	64603	C	Pool chemicals
	100	4024	64724	F	White goods manufact
	101	3968	64701	F	Bakery
	102	4017	64615	F	Bakery
	103	4007	64613	F	Fruit/vegie prod (potato)
	104	4007	64610	F	Bottlers of soft drinks
	105	4012	64600	F	Potato merchant/washing
	106	3977	64693	B	Dog pound
	107	4032	64680	B	Cemetery
	108	3938	64638	B	Cemetery
	109	3995	64623	B	Animal hospital
	110	4052	64598	R	Aband landfill
	111	2034	64592	R	Aband landfill
	112	3978	64595	A	Meat packer/butcher
	113	3997	64599	I	Materials testing lab
	115	4003	64598	I	Radiator manufact,clean
	116	4017	64598	I	Tanks depot crane hire

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SH/50-14,2034-II-SE	117	4028	64598	I	Casting sand disposal
	118	3982	64597	I	Machinery manufact
	119	3985	64597	I	Steel & wire manufact
	120	3999	64597	I	Steel fabric
	121	4023	64597	I	Mineral lab
	122	3977	64596	I	Electroplating
	123	3984	64596	I	Laundry
	124	3976	64595	I	Indust floor & grating
	125	3985	64595	I	Container manufact
	126	3995	64595	I	Galvanisers
	127	3996	64595	I	Printing supplies
	128	4015	64595	I	Mineral lab
	129	3994	64594	I	Battery manufact
	130	4002	64594	I	Manufact eng & distrib
	131	4003	64594	I	Heavy mach mfg & maint
	132	4009	64594	I	Analyt lab
	133	3983	64592	I	Electroplating
	134	3983	64596	C	Agrichemicals and others
	135	4012	64592	C	Pest control
	136	3987	64590	C	Chem distrib/manufact
	137	3985	64596	I	Stock feed products
	138	4023	64596	I	Brewery products
	139	3979	64595	F	Bakery
	140	3984	64608	I	Sample prep
	141	4018	64624	L	Aband liquid disposal site
	142	3941	64607	R	Aband landfill

MAP REFERENCE: SH/50-14,2034-II-SW

SH/50-14,2034-II-SW	1	3826	64719	R	Aband landfill
	2	3867	64710	R	Aband landfill
	3	3922	64689	R	Aband landfill
	4	3871	64666	R	Aband landfill
	5	3874	64652	R	Aband landfill
	6	3876	64634	R	Aband landfill
	7	3893	64634	R	Landfill site
	8	3880	64630	R	Aband landfill
	9	3935	64630	R	Aband landfill
	10	3845	64617	R	Aband landfill
	11	3823	64612	R	Aband landfill
	12	3826	64610	R	Aband landfill
	13	3872	64698	A	Meat packer
	14	3888	64686	A	Poultry processing
	15	3915	64658	A	Meat processors
	16	3873	64702	I	Chrome plating
	17	3878	64700	I	Cement manufact
	18	3876	64699	I	Metal coat, spray paint
	19	3875	64699	I	Metal coating
	20	3877	64699	I	Building mat cement prod
	21	3879	64699	I	Lime manufact
	22	3873	64698	I	Enamelling shop
	23	3880	64697	I	Spare parts/repair
	24	3877	64696	I	Metal coating/painting
	25	3869	64696	I	Motor mechanics
	26	3881	64696	I	foundry/casting sand disp
	27	3874	64695	I	Metal plating
	28	3883	64695	I	Cement manuf & batching
	29	3877	64694	I	Elec etc goods-serv. div
	30	3882	64694	I	Plating shop/galvan
	31	3873	64693	I	Eng comp stripping etch

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY	
SH/50-14,2034-II-SW	32	3890	64689	I	Screen printing	
	33	3883	64687	I	Bitumen batching	
	34	3884	64684	I	Printing shop	
	35	3876	64652	I	Mech. workshop	
	36	3882	64652	I	Steel manufact	
	37	3883	64652	I	Workshop	
	38	3884	64652	I	Cement products	
	39	3882	64651	I	Foundry	
	40	3885	64651	I	Air cond & refrig supply	
	41	3882	64650	I	Truck body builder	
	42	3884	64650	I	Laundry	
	43	3876	64649	I	Analyt lab	
	44	3878	64649	I	Plastics distributors	
	45	3907	64649	I	Printing & engraving shop	
	46	3877	64648	I	Tim yard & 2nd hand deal	
	47	3878	64648	I	Mech workshop	
	48	3883	64648	I	Porcelain manufact	
	50	3929	64648	I	Analyt lab	
	51	3878	64647	I	Indust gases	
	52	3879	64647	I	Bitumen prod	
	53	3882	64647	I	Bitumen manufact	
	54	3882	64647	I	Lawnmower manufact	
	55	3883	64647	I	Battery recycling	
	56	3932	64647	I	Printing shop	
	57	3934	64647	I	Plaster prod	
	58	3925	64643	I	Photographic lab	
	59	3930	64637	I	Minting	
	60	3929	64635	I	Car hire comp	
	61	3848	64618	I	Wood stripping w. acids	
	62	3870	64700	C	Pest control	
	63	3880	64693	C	Mainly chem storage	
	64	3873	64691	C	Paint manufact	
	65	3881	64684	C	Paint manufact & batcher	
	66	3877	64649	C	Acids & deterg traders	
	67	3888	64647	C	Chemical storage	
	68	3883	64693	F	Cheese factory	
	69	3890	64684	F	Dairy products	
	70	3913	64668	F	Dairy	
	71	3880	64650	F	Yeast & vinegar manufact	
	72	3888	64648	F	Bakery	
	73	3884	64646	F	Bakery	
	74	3829	64598	F	Flour mill	
	75	3876	64646	B	Aband cemetery	
	76	3863	64622	B	Cemetery	
	77	3932	64620	R	Aband landfill	
	78	3869	64641	L	Wastew. treatm. plant	
	79	3824	64624	L	Wastew. treatm. plant	
	80	3853	64637	R	Landfill site	
	81	3928	64604	R	Aband landfill	
	MAP REFERENCE: SH/50-14,2034-III-NE					
	SH/50-14,2034-III-NE	1	3812	64777	L	Caravan Park
	MAP REFERENCE: SH/50-14,2034-III-SW					
	SH/50-14,2034-III-SW	1	3619	64586	R	Aband landfill

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SH/50-14,2034-IV-NE					
SH/50-14,2034-IV-NE	1	3763	65114	R	Small landfill
	2	3765	65070	A	Piggery
	3	3802	65026	A	Piggery
	4	3814	65026	A	Piggery
	5	3714	65074	L	Wastew. treatm. plant
	6	3750	65090	L	Septic syst of tour build
MAP REFERENCE: SH/50-14,2034-IV-NW					
SH/50-14,2034-IV-NW	1	3689	65098	L	Holiday village
MAP REFERENCE: SH/50-14,2034-IV-SE					
SH/50-14,2034-IV-SE	1	3763	64943	L	Caravan park
	2	3786	64886	L	Caravan park
	3	3799	64997	A	Piggery
	4	3806	64965	A	Poultry processor
	5	3796	64915	R	Mindarie reg. landfill
MAP REFERENCE: SH/50-14,2035-I-SE					
SH/50-14,2035-I-SE	1	4030	65556	A	Piggery
	2	4023	65526	A	Piggery
	3	3958	65514	A	Piggery
MAP REFERENCE: SH/50-14,2035-I-SW					
SH/50-14,2035-I-SW	1	3918	65513	A	Piggery
MAP REFERENCE: SH/50-14,2035-II-NE					
SH/50-14,2035-II-NE	1	3978	65347	A	Cattle + horse feedlot
	2	3953	65319	B	Gingin cemetery
	3	3954	65312	B	Old cemetery Gingin
MAP REFERENCE: SH/50-14,2035-II-NW					
SH/50-14,2035-II-NW	1	3904	65398	A	Piggery
	2	3925	65334	L	Gingin Caravan Park
	3	3919	65328	I	Concrete batching
	4	3917	65327	A	Tannery
	5	3830	65304	A	Aband piggery
	6	3868	65297	A	Piggery
MAP REFERENCE: SH/50-14,2035-II-SE					
SH/50-14,2035-II-SE	1	3967	65280	A	Abattoir
	2	3967	65263	RL	Landfill + septic
	3	3972	65233	A	Aband piggery
	4	3952	65190	A	Piggery
MAP REFERENCE: SH/50-14,2035-II-SW					
SH/50-14,2035-II-SW	1	3927	65219	A	Piggery
MAP REFERENCE: SH/50-14,2035-III-NE					
SH/50-14,2035-III-NE	1	3802	65323	A	Piggery
	2	3747	65312	A	Piggery
MAP REFERENCE: SH/50-14,2035-III-NW					
SH/50-14,2035-III-NW	1	3611	65390	L	Guilderton Farms Car. Pk.
	2	3671	65367	A	Piggery
	3	3576	65324	R	Landfill Guilderton

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SH/50-14,2035-III-SW					
SH/50-14,2035-III-SW	1	3666	65142	R	Landfill site
	2	3661	65141	L	Wastew. treatm. plant
MAP REFERENCE: SH/50-14,2035-IV-NW					
SH/50-14,2035-IV-NW	1	3630	65559	A	Piggery
MAP REFERENCE: SH/50-14,2134-I-SW					
SH/50-14,2134-I-SW	1	4317	64898	A	Feedlot sheep live exp
MAP REFERENCE: SH/50-14,2134-II-NE					
SH/50-14,2134-II-NE	1	4422	64855	L	Sewerage treatm. plant
	2	4438	64837	R	Landfill site
	3	4414	64851	I	Iron smelter
MAP REFERENCE: SH/50-14,2134-II-NW					
SH/50-14,2134-II-NW	1	4408	64869	R	Landfill site
	2	4341	64816	R	Landfill site
	3	4378	64802	LR	Landfill/lagoon disp
	4	4386	64843	A	Piggery
	5	4309	64841	A	Piggery
	6	4318	64839	A	Piggery
	7	4382	64813	A	Abattoir
	8	4354	64788	A	Intensive piggery
	9	4363	64804	B	Cemetery
MAP REFERENCE: SH/50-14,2134-III-NE					
SH/50-14,2134-III-NE	1	4272	64830	R	Aband landfill
	2	4268	64846	A	Piggery
	3	4259	64845	A	Piggery
	4	4191	64815	A	Piggery
	5	4193	64793	A	Feedlot live sheep exp
	6	4254	64788	A	Piggery
	7	4233	64821	C	Petrol Station
MAP REFERENCE: SH/50-14,2134-III-NW					
SH/50-14,2134-III-NW	1	4097	64830	L	Equestrian centre
	2	4148	64772	R	Landfill site
	3	4063	64746	L	Private school
	4	4060	64728	L	Hospital
	5	4162	64866	A	Feedlot live sheep exp
	6	4089	64809	A	Piggery
	7	4103	64807	A	Piggery
	8	4161	64781	A	Feedlot live sheep exp
	9	4079	64797	I	Gold processing
	10	4110	64774	I	Washdown area
	11	4073	64792	F	Winery
	12	4069	64785	F	Fruit juice bottlers
	13	4056	64754	F	Wine prod
MAP REFERENCE: SH/50-14,2134-III-SE					
SH/50-14,2134-III-SE	1	4291	64729	L	Landfill site
	2	4191	64687	RL	Aband landfill
	3	4224	64700	B	Cemetery

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
		MAP REFERENCE: SH/50-14,2134-III-SW			
SH/50-14,2134-III-SW	1	4073	64668	L	Tourist village
	2	4110	64637	R	Aband landfill
	3	4111	64628	L	Hospital
	4	4071	64627	R	Aband landfill
	5	4066	64702	A	Abattoir
	6	4058	64700	A	Feedlot live sheep exp
	7	4059	64699	A	Feedlot live sheep exp
	8	4095	64698	A	Meat distributor
	9	4061	64690	A	Skin drying
	10	4057	64683	A	Meat renderer
	11	4058	64679	A	Meat renderer
	12	4063	64670	A	Meat export
	13	4067	64668	A	Piggery
	14	4058	64705	I	Washdown, oil, others
	15	4075	64705	I	Foundry
	16	4071	64701	I	Fibrous plaster manufact
	17	4078	64700	I	Oil refinery- sludge pit
	18	4061	64676	I	Casting sand disposal
	19	4059	64622	I	Vehicle washdown area
	20	4094	64725	B	Cemetery
	21	4102	64595	A	Trout farm
	22	4074	64605	A	Piggery
		MAP REFERENCE: SH/50-14,2134-IV-NW			
SH/50-14,2134-IV-NW	1	4068	65075	R	Landfill site
	2	4092	65063	R	Aband landfill
	3	4063	65058	R	Aband landfill
		MAP REFERENCE: SH/50-14,2134-IV-SW			
SH/50-14,2134-IV-SW	1	4071	64995	R	Landfill site
	2	4069	64985	R	Landfill site
	3	4069	64968	L	Treatment plant
	4	4126	65003	A	Piggery
	5	4106	64994	A	Feedlot sheep live exp
	6	4075	64909	A	Piggery
	7	4075	64907	A	Piggery
	8	4076	64903	A	Piggery
	9	4093	64876	A	Piggery
	10	4069	64980	B	Cemetery
		MAP REFERENCE: SH/50-14,2135-III-SE			
SH/50-14,2135-III-SE	1	4284	65148	L	Liquid waste disposal
		MAP REFERENCE: SH/50-14,2135-IV-NW			
SH/50-14,2135-IV-NW	1	4086	65661	RL	Landfill + septic
	2	4051	65648	A	Piggery (free-range)
		MAP REFERENCE: SI/50-02,2032-I-NE			
SI/50-02,2032-I-NE	1	4035	64005	R	Old landfill
		MAP REFERENCE: SI/50-02,2032-I-NW			
SI/50-02,2032-I-NW	1	3834	64024	L	Sewage treatment plant
	2	3918	64021	A	Abattoir
	3	3855	64032	B	Cemetery
	4	3832	64023	L	Sewage treatment plant
	5	3832	63987	A	Aband abattoir
	6	3843	63982	L	Riverside Caravan Park
	7	3850	63976	L	Peel Caravan Park

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-02,2032-I-NW	8	3853	63973	L	Aqua Caravan Park
	9	3860	63971	A	Poultry processing
	10	3942	63954	RL	Landfill + septic
	11	3854	63940	L	Murray River Caravan Park
	12	3856	63940	L	Taithams Caravan Park
	13	3899	63938	L	Ravenswood Caravan Park
	14	3861	63935	L	Sewage treatment plant
	15	3925	63905	L	Pinjarra Caravan Park
MAP REFERENCE: SI/50-02,2032-I-SE					
SI/50-02,2032-I-SE	1	3998	63880	I	Alum ref waste disposal
	2	3989	63880	L	Sewage treatment plant
	3	4007	63840	I	Gallium plant
MAP REFERENCE: SI/50-02,2032-I-SW					
SI/50-02,2032-I-SW	1	3937	63878	B	Cemetery
	2	3922	63877	C	Agr chem packaging
	3	3906	63775	F	Old dairy, now storage
MAP REFERENCE: SI/50-02,2032-II-NE					
SI/50-02,2032-II-NE	1	3985	63664	I	Mech workshop
	2	3975	63659	L	Sewage treatment plant
	3	3989	63653	I	Steam laundry (Alcoa)
	4	3995	63648	B	Cemetery
	5	3998	63646	L	Waroona Caravan Village
MAP REFERENCE: SI/50-02,2032-II-NW					
SI/50-02,2032-II-NW	1	3911	63655	R	Aband landfill
	2	3900	63628	RL	Landfill and septic
	3	3846	63625	A	Stock holding-intensive
MAP REFERENCE: SI/50-02,2032-II-SE					
SI/50-02,2032-II-SE	1	4002	63613	A	Abattoir/meat rend
	2	3985	63578	I	Caustic waste disposal
	3	3960	63575	I	Alum smelter
	4	3988	63525	R	Yarloop landfill site
MAP REFERENCE: SI/50-02,2032-II-SW					
SI/50-02,2032-II-SW	1	3863	63521	A	Piggery
MAP REFERENCE: SI/50-02,2032-III-NE					
SI/50-02,2032-III-NE	1	3756	63713	L	Lake Clifton Caravan Park
MAP REFERENCE: SI/50-02,2032-III-SE					
SI/50-02,2032-III-SE	1	3738	63609	L	Preston Beach Caravan Park
MAP REFERENCE: SI/50-02,2032-IV-NE					
SI/50-02,2032-IV-NE	1	3815	64018	R	Aband landfill
	2	3820	64010	R	Aband landfill + liquid
	3	3816	64014	I	Concrete batching plant
	4	3820	64014	I	Concrete batching
	5	3815	64012	I	Concrete batching
	6	3797	64003	R	Aband landfill
	7	3798	63995	B	Aband cemetery
	8	3793	63993	R	Aband landfill
	9	3813	63989	B	Aband cemetery
	10	3768	63987	L	Sewage treatmen plant
	11	3746	63939	L	Falcon Caravan Park
	12	3717	63908	RL	Landfill + liquid disp

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SI/50-02,2032-IV-SE					
SI/50-02,2032-IV-SE	1	3723	63882	L	Dawesville Caravan Park
	2	3734	63845	L	Lazy Crab Holiday Resort
	3	3754	63788	L	Hazienda Holiday Village
MAP REFERENCE: SI/50-02,2032-IV-SW					
SI/50-02,2032-IV-SW	1	3704	63877	L	Melros Caravan Park
MAP REFERENCE: SI/50-02,2033-I-NE					
SI/50-02,2033-I-NE	1	3954	64583	L	Cooling tower overflow
	2	3938	64576	R	Aband landfill
	3	3947	64575	L	Nightsoil disposal
	4	3963	64565	R	Aband landfill
	5	3967	64547	R	Aband landfill
	6	4028	64545	R	Aband landfill
	7	4050	64537	R	Landfill site
	8	4035	64536	R	Aband landfill
	9	3981	64525	L	Wastew .treatment plant
	10	4012	64525	R	Aband landfill
	11	3949	64508	L	Aband liquid disposal site
	12	3954	64506	R	Aband landfill
	13	3957	64503	R	Landfill site
	14	3939	64504	R	Landfill
	15	3969	64502	L	Effluent recharge exp
	16	3970	64502	L	Aband liqu disp site
	17	4011	64465	L	Liquid disposal site
	18	4051	64465	R	Aband landfill
	19	4001	64527	A	Poultry processors
	21	4016	64484	A	Piggery
	22	3959	64475	A	Manure works
	23	4053	64470	A	Poultry processing
	24	4028	64468	A	Piggery
	25	3944	64451	A	Piggery
	26	3991	64588	I	Mineral lab
	27	3992	64586	I	Foundry casting sand disp
	28	4005	64563	I	Bitumen products
	29	4008	64560	I	Metal finisher
	30	4007	64558	I	Machinery manufact
	31	3942	64546	I	Photographic workshop
	32	3944	64544	I	Wrecker-parts recycl batt
	33	3947	64544	I	Auto maintenance
	34	4044	64544	I	Metals finisher
	35	3940	64543	I	Mineral lab
	36	3947	64543	I	Electronics circuit etch
	37	4044	64540	I	Analyt lab
	38	3974	64528	I	Cement manufact
	39	3986	64528	I	Adhesives manufact
	40	3970	64527	I	Drawing film & mat manuf
	41	3985	64527	I	Building mat cement prod
	42	3968	64526	I	Can manufact
	43	3971	64525	I	Metals finisher
	44	3990	64525	I	Door manufact
	45	3966	64523	I	Plastics manufact
	46	3980	64522	I	Battery processor
	47	3987	64522	I	Poly-foam manufact
	48	3967	64516	I	Glass manufact
	49	3996	64589	C	Paint manufact
	50	3988	64588	C	Chem manufact

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-02,2033-I-NE	51	4037	64539	C	Paint manufact
	52	4014	64535	C	Chem producer
	53	3978	64528	C	Adhesives (glues) manuf
	54	3987	64588	F	Stockfeed manufact
	55	3987	64587	F	Dairy
	56	4028	64587	F	Vegie packer
	57	3981	64525	F	Bakery
	58	3984	64524	F	Food production/packaging
	59	3983	64523	F	Soft drink bottler
	60	3992	64523	F	Food distrib centre
	61	3989	64521	I	Food packing potato chips
	62	3972	64515	F	Brewery
	63	4029	64543	B	Cemetery
	64	3939	64572	R	Aband landfill

MAP REFERENCE: SI/50-02,2033-I-NW

SI/50-02,2033-I-NW	1	3831	64575	RL	Aband landfill-night soil
	2	3873	64565	R	Aband landfill
	3	3883	64557	R	Aband landfill
	4	3831	64556	R	Aband landfill
	5	3858	64531	L	Night soil,some rubbish
	6	3923	64524	R	Aband landfill
	7	3906	64508	L	Boiler blowdown water
	8	3856	64505	L	Private hospital
	9	3827	64503	R	Landfill site
	10	3848	64500	L	Private hospital
	11	3837	64499	R	Aband landfill
	12	3827	64497	R	Aband landfill
	13	3849	64496	L	Private hospital
	14	3906	64491	R	Aband landfill
	15	3858	64481	R	Aband landfill
	16	3868	64480	R	Landfill site
	17	3891	64477	R	Aband landfill
	18	3862	64467	R	Aband landfill
	19	3835	64565	R	Aband landfill
	20	3848	64452	L	Water skiing
	21	3824	64544	A	Woolscouring
	22	3876	64537	A	Woolscouring
	23	3830	64526	A	Pet food manufact
	24	3854	64523	A	Wool storage & treatment
	25	3868	64519	A	Animal meat products
	26	3884	64513	A	Piggery
	27	3885	64508	A	Piggery
	28	3905	64506	A	Piggery et al,part-time
	29	3830	64499	A	Prawn packers
	30	3887	64499	A	Piggery
	31	3831	64498	A	Boning rooms
	32	3831	64491	A	Skin drying
	33	3827	64489	A	Abattoirs
	34	3830	64488	A	Meat packers
	35	3831	64487	A	Fish Proc /meat rendering
	36	3829	64485	A	Bait processing
	37	3831	64485	A	Tannery
	38	3831	64483	A	Hide proc
	39	3831	64477	A	Woolscourers
	40	3832	64477	A	Skin & hide packers
	41	3831	64476	A	Fellmongers
	42	3831	64474	A	Skin drying
	43	3832	64474	A	Lobster processing

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-02,2033-I-NW	44	3832	64473	A	Crayfish processing
	45	3832	64472	A	Woolscouring,skin merch
	46	3833	64472	A	Tannery
	47	3833	64470	A	Skin processing
	48	3831	64469	A	Skin drying & abattoirs
	49	3922	64457	A	Manure bagging
	50	3902	64452	A	Woolscouring
	51	3922	64450	A	Manure processing
	52	3825	64561	I	Metals engineer & casting
	53	3825	64546	I	Container service
	54	3887	64546	I	Transport equipment
	55	3825	64544	I	Laundry
	56	3887	64541	I	Building mat. manufact
	57	3883	64540	I	Machinery hire
	58	3877	64539	I	Oil & tool supplies
	59	3887	64538	I	Engineering comp
	60	3883	64532	I	Printing shop
	61	3857	64528	I	Metal finishing
	62	3856	64527	I	PVC manufacturing
	63	3857	64527	I	Cable manufact
	64	3831	64526	I	Engine reconditioning
	65	3832	64526	I	Metal manuf-electroplater
	66	3833	64526	I	Radiator recond
	67	3852	64526	I	Galvanising shop
	68	3855	64526	I	Metals finishing furnit
	70	3865	64525	I	Tank degrease,steam clean
	71	3866	64524	I	Metal manufact
	72	3868	64524	I	Drum manufact
	73	3864	64523	I	Metals finisher
	74	3862	64522	I	Merchants-steel manufact
	75	3858	64520	I	Motor body builders
	76	3865	64520	I	Cardboard manufact
	77	3865	64519	I	Packaging and can manuf
	78	3863	64517	I	Packaging manufact
	79	3908	64502	I	Laundry
	80	3824	64499	I	Foundry
	81	3831	64484	I	Drum cleaners
	82	3828	64480	I	Power generation
	83	3833	64478	I	Power gener-flyash disp
	84	3875	64476	I	Paper manufact
	85	3859	64468	I	Gas production
	86	3834	64564	I	Pyrite dump
	87	3866	64462	I	Galvanisers
	88	3873	64459	I	Metal manuf battery recyc
	89	3844	64454	I	Casting sand disposal
	90	3906	64452	I	Plastics manufact
	91	3884	64540	C	Chem manufact
	92	3830	64529	C	Paint manufact
	93	3866	64525	C	Pest control manufact
	94	3867	64525	C	Chem manufact
	95	3852	64523	C	Paint manufact
	96	3851	64520	C	Chem manufact
	97	3860	64517	C	Chem manufact
	98	3867	64467	C	Chem manufact
	99	3905	64453	C	Oil reconstitution
	100	3842	64562	F	Sugar refinery
	101	3820	64556	F	Flour mill
	102	3857	64531	F	Margarine manufact
	103	3867	64522	F	Bakery

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY	
SI/50-02,2033-I-NW	104	3829	64483	F	Potato washing	
	105	3863	64470	F	Fruit/veg prod,pack	
	106	3910	64456	F	Fruit/veg prod,pack	
	107	3850	64528	B	Cemetery	
	108	3906	64507	B	Animal bodies buried site	
	109	3832	64475	A	Tallow merchant	
	110	3832	64481	A	Skin merchant	
	111	3832	64495	A	Skin merchants	
	112	3865	64458	I	Workahop	
	MAP REFERENCE: SI/50-02,2033-I-SE					
	SI/50-02,2033-I-SE	1	4017	64422	L	Liquid/ nightsoil disp
		2	4033	64387	L	Retirement village
3		4025	64375	R	Landfill site	
4		4049	64322	R	Landfill site	
5		4022	64440	A	Piggery	
6		4039	64439	A	Piggery	
7		3986	64435	A	Poultry farm/piggery	
8		3966	64427	A	Poultry processing	
9		3980	64422	A	Piggery/stockholding yrd	
10		3981	64422	A	Piggery	
11		3984	64418	A	Piggery	
12		3980	64416	A	Piggery	
13		4037	64412	A	Piggery	
14		4054	64402	A	Cattle feedlot-foodscraps	
15		3970	64397	A	Piggery	
16		3987	64391	A	Piggery	
17		3987	64391	A	Piggery	
18		3988	64391	A	Piggery	
19		3989	64391	A	Piggery	
20		3990	64391	A	Piggery	
21		4010	64369	A	Piggery	
22		3987	64356	A	Piggery	
23		3952	64351	A	Piggery	
24		4033	64345	A	Piggery	
25		3972	64344	A	Piggery	
26		4038	64344	A	Piggery	
27		3973	64325	A	Piggery	
28		3979	64314	A	Piggery	
29		4007	64349	F	Cheese factory	
30		3958	64441	L	Aband landfill	
31		3982	64395	R	Landfill (pred inert)	
MAP REFERENCE: SI/50-02,2033-I-SW						
SI/50-02,2033-I-SW	1	3841	64433	L	Wastew treatment plant	
	2	3891	64346	L	Sewerage treatment plant	
	3	3877	64338	R	Aband landfill	
	4	3858	64337	R	Aband landfill	
	5	3905	64326	RL	Aband landfill	
	6	3860	64315	R	Aband landfill	
	7	3923	64450	A	Hide processing	
	8	3917	64438	A	Piggery	
	9	3919	64437	A	Piggery	
	10	3908	64434	A	Piggery	
	11	3909	64425	A	Piggery	
	12	3909	64424	A	Piggery	
	13	3878	64418	A	Piggery	
	14	3923	64415	A	Piggery	
	15	3924	64413	A	Piggery	

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-02,2033-I-SW	16	3919	64405	A	Piggery
	17	3929	64389	A	Piggery
	18	3933	64374	A	Piggery
	19	3908	64367	A	Piggery
	20	3909	64365	A	Cattle feedLot
	21	3875	64343	A	Piggery
	22	3919	64335	A	Piggery
	23	3913	64333	A	Piggery
	24	3927	64325	A	Piggery
	25	3840	64422	I	Acetylene factory
	26	3864	64422	I	Cement prod
	27	3870	64380	I	Power gen, flyash disposal
	28	3849	64374	I	Aluminium prod
	29	3850	64372	I	Aromatic injector plant
	30	3872	64369	I	Power gen, flyash disposal
	31	3843	64367	I	Power station
	32	3895	64364	I	Aluminium prod
	33	3847	64362	I	Fibreglass manufact
	34	3844	64358	I	Pipe manufact
	35	3847	64358	I	Insul engineering
	36	3843	64356	I	Steel pipe manufact
	37	3847	64356	I	Wire production
	38	3842	64353	I	Iron products
	39	3889	64350	I	Aluminium products
	40	3860	64347	I	Aluminium prod
	41	3848	64334	I	Gas production
	42	3848	64322	I	Transmission manufact
	43	3851	64377	C	Caustic drainage sump
	44	3836	64337	C	Petroleum ref
	45	3848	64337	C	Chem manufact
	46	3850	64337	C	Chem manufact
	47	3848	64332	C	Chem manufact
	48	3849	64330	C	Chem manufact
	49	3851	64327	C	Blending of chemicals
	50	3850	64326	C	Chem manufact
	51	3839	64325	C	Arsenic residue storage
	52	3844	64322	C	Fertilizer manufact
	53	3845	64319	C	Chem manufact
	54	3844	64424	F	Starch/gluten manufact
	55	3865	64324	B	Dog pound
	56	3909	64389	L	Aband liqu disp site
	57	3861	64339	RL	Landfill/septics
	58	3852	64326	C	Manufact of indust chem
	59	3835	64325	I	Manufact nitro products
	60	3893	64322	R	Aband landfill

MAP REFERENCE: SI/50-02,2033-II-NE

SI/50-02,2033-II-NE	1	4014	64187	R	Landfill site
	2	3984	64311	A	Pet food processor
	3	3983	64305	A	Piggery
	4	3978	64248	A	Stock holding & saleyard
	5	4054	64221	A	Piggery
	6	4058	64185	A	Piggery
	7	4004	64182	A	Piggery
	8	4047	64255	I	Wood treatment
	9	4052	64185	B	Cemetery

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SI/50-02,2033-II-NW					
SI/50-02,2033-II-NW	1	3829	64288	R	Landfill site
	2	3919	64270	L	Water skiling
	3	3907	64307	A	Piggery
	4	3912	64298	A	Piggery
	5	3913	64296	A	Stock holding yard
	6	3913	64289	A	Piggery
	7	3937	64283	A	Piggery
	8	3928	64280	A	Agist live sheep exp
	9	3931	64259	A	Agist live sheep exp
	10	3913	64237	A	Feedlot live sheep exp
	11	3895	64200	A	Piggery
	12	3855	64177	A	Agist live sheep exp
	13	3836	64306	I	Nickel refinery
	14	3832	64301	I	Ceramics prod
	15	3910	64285	I	Flyash disp
	16	3875	64267	I	Nickel refinery
	17	3858	64307	C	Gypsum disposal
	18	3851	64292	C	Fertiliser manufact
	19	3852	64307	B	Cemetery
	20	3823	64301	F	Grain terminal
MAP REFERENCE: SI/50-02,2033-II-SE					
SI/50-02,2033-II-SE	1	4038	64099	R	Landfill site
	2	3975	64166	A	Piggery
	3	3982	64161	A	Piggery
	4	4015	64152	A	Piggery
	5	3955	64138	A	Piggery
	6	3942	64097	A	Piggery
MAP REFERENCE: SI/50-02,2033-II-SW					
SI/50-02,2033-II-SW	1	3856	64159	A	Piggery
	2	3920	64142	A	Piggery
	3	3903	64045	A	Piggery
	4	3873	64153	I	Explosives plant
	5	3939	64110	F	Large-scale vege growg
	6	3863	64066	F	Carrot farm
	7	3845	64036	B	Cemetery
	8	3826	64052	R	Aband landfill
MAP REFERENCE: SI/50-02,2033-III-NE					
SI/50-02,2033-III-NE	1	3764	64288	L	Wastew treatm plant
	2	3822	64277	R	Aband landfill
MAP REFERENCE: SI/50-02,2033-III-SE					
SI/50-02,2033-III-SE	1	3822	64053	L	Liquid disposal site
MAP REFERENCE: SI/50-02,2033-IV-NE					
SI/50-02,2033-IV-NE	1	3819	64570	R	Aband landfill
	2	3810	64540	A	Wool storage etc
	3	3819	64520	A	Tanning
	4	3817	64532	I	Battery recycler
	5	3817	64523	I	Metal & battery recycler
	6	3819	64519	I	Metal casting
MAP REFERENCE: SI/50-02,2033-IV-NW					
SI/50-02,2033-IV-NW	1	3600	64584	RL	Landfill and septic
	2	3633	64578	L	Sewage treatment ponds
	3	3588	64575	L	Septics (public toilet)

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
MAP REFERENCE: SI/50-02,2033-IV-SE					
SI/50-02,2033-IV-SE	1	3754	64352	L	Sewage treatm plant
	2	3771	64336	I	Oily water treatment
MAP REFERENCE: SI/50-02,2133-III-NW					
SI/50-02,2133-III-NW	1	4076	64285	L	Animals on show
	2	4063	64256	R	Landfill site
	3	4064	64235	L	Camp
	4	4095	64240	A	Fish farms
	5	4086	64239	A	Piggery
	6	4155	64267	I	Ore washing, vehicle main
	7	4107	64216	B	Cemetery
MAP REFERENCE: SI/50-02,2133-III-SW					
SI/50-02,2133-III-SW	1	4130	64103	A	Abattoir/dairy
MAP REFERENCE: SI/50-02,2133-IV-NW					
SI/50-02,2133-IV-NW	1	4135	64584	R	Aband landfill
	2	4133	64583	R	Aband landfill
	3	4072	64570	L	Disp of septics
	4	4064	64566	LR	Landfill,ind liquids
	5	4058	64548	R	Wild dump(illegal,indust)
	6	4068	64496	L	Private pool
	7	4145	64488	LR	Nightsoil & refuse disp
	8	4093	64487	L	Wildlife park
	9	4144	64484	R	Aband landfill
	10	4067	64455	A	Piggery
	11	4125	64589	I	Casting sand disposal
	12	4060	64552	I	Bitumen prod & emulsions
	13	4059	64549	I	Casting sand disposal
	14	4079	64546	I	Slurry disposal
	15	4075	64456	B	Cemetery
	16	4100	64572	A	Piggery
MAP REFERENCE: SI/50-02,2133-IV-SW					
SI/50-02,2133-IV-SW	1	4061	64452	L	Aband landfill
	2	4065	64355	L	Aband landfill
	3	4095	64448	A	Trout farms-tourist spot
	4	4068	64386	A	Piggery
	5	4067	64372	A	Pet food processing
	6	4098	64345	A	Fish farm
	7	4111	64321	A	Piggery
	8	4072	64319	I	Brick & tile manufact
	9	4059	64395	F	Cheese factory
MAP REFERENCE: SI/50-05,1930-I-SE					
SI/50-05,1930-I-SE	1	3506	62744	A	Abattoir
	2	3505	62714	B	Cemetery
	3	3568	62697	A	Intensive feedlot
MAP REFERENCE: SI/50-05,1930-I-SW					
SI/50-05,1930-I-SW	1	3471	62757	L	Kookaburra Carav Parks
	2	3466	62755	B	Old cemetery
	3	3465	62749	B	Old cemetery
	4	3418	62744	L	Mandalay Holiday Resort
	5	3429	62744	L	Beachlands Caravan Parks
	6	3406	62742	L	Sandy Bay Caravan Pkar
	7	3392	62741	L	Vasse Caravan Park

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-05,1930-I-SW	8	3397	62741	L	Acacia Caravan Park
	9	3399	62741	L	Amblin Caravan Park
	10	3413	62739	L	Lazy Days Caravan Park
	11	3440	62728	A	Abattoir
	12	3440	62717	RL	Landfill + liquids
	13	3419	62711	A	Pet food processing
	14	3443	62710	L	Sewage treatment plant
MAP REFERENCE: SI/50-05,1930-II-NW					
SI/50-05,1930-II-NW	1	3494	62804	R	Landfill
MAP REFERENCE: SI/50-05,1930-III-NE					
SI/50-05,1930-III-NE	1	3329	62637	R	Landfill site
	2	3362	62637	F	Market garden intens.
	3	3268	62605	B	Old cemetery Metricup
	4	3347	62554	R	Landfill (site 6)
	5	3274	62546	A	Abattoir
	6	3340	62532	R	Landfill (site 5)
	7	3306	62502	R	Landfill (site 7)
MAP REFERENCE: SI/50-05,1930-III-NW					
SI/50-05,1930-III-NW	1	3243	62533	R	Landfill (site 4)
	2	3167	62517	L	Colray Caravan Park
	3	3138	62503	R	Landfill (site 3)
MAP REFERENCE: SI/50-05,1930-III-SE					
SI/50-05,1930-III-SE	1	3378	62466	R	Landfill (site 8)
	2	3378	62431	R	Landfill (site 10)
	3	3295	62392	R	Landfill (site 11)
MAP REFERENCE: SI/50-05,1930-III-SW					
SI/50-05,1930-III-SW	1	3177	62475	R	Landfill (site 2)
	2	3258	62455	R	Landfill (site 9)
	3	3229	62416	L	Riverview Caravan Park
	4	3214	62407	L	Caravan Park
	5	3204	62397	R	Landfill site + septic
	6	3168	62395	B	Cemetery
	7	3206	62394	L	Sewage treatment plant
MAP REFERENCE: SI/50-05,1930-IV-NW					
SI/50-05,1930-IV-NW	1	3228	62810	R	Aband landfill
	2	3235	62792	B	Cemetery
MAP REFERENCE: SI/50-05,1930-IV-SE					
SI/50-05,1930-IV-SE	1	3273	62770	L	White Sands Holiday Res
	2	3328	62749	L	4 Seasons Holiday Res
	3	3297	62653	R	Aband landfill
MAP REFERENCE: SI/50-05,1930-IV-SW					
SI/50-05,1930-IV-SW	1	3199	62772	RL	Landfill + liquids
	2	3248	62768	L	Sewage treatment plant
	3	3168	62758	L	Yallingup Caravan Park
	4	3175	62750	L	Caves Caravan Park
	5	3177	62736	R	Aband landfill
	6	3160	62733	L	Canal Rocks Caravan Park
MAP REFERENCE: SI/50-06,2030-I-NW					
SI/50-06,2030-I-NW	1	3904	62849	I	Concrete casting
	2	3903	62825	RL	Landfill and septic

GROUNDWATER POLLUTION INVENTORY

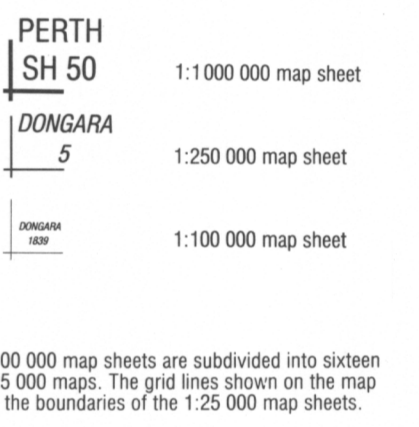
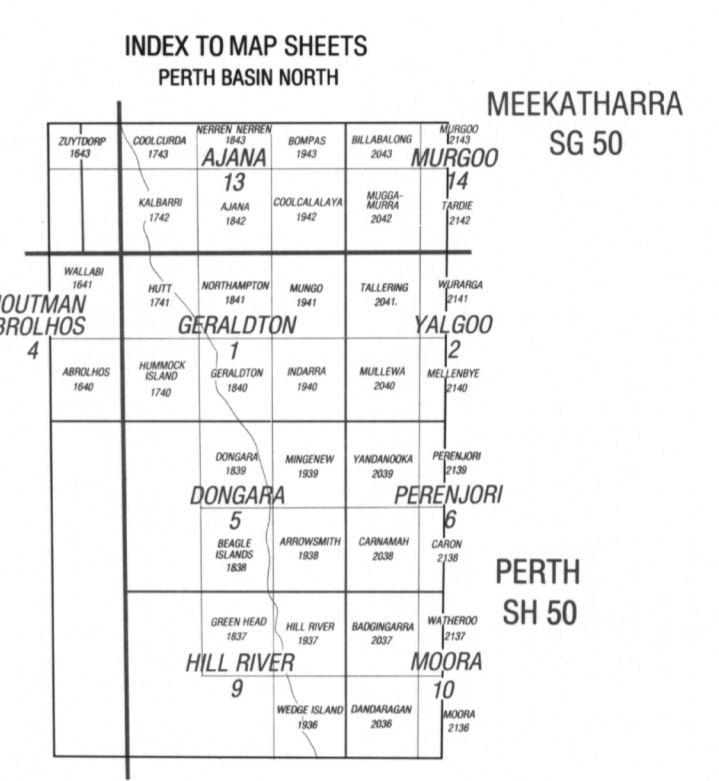
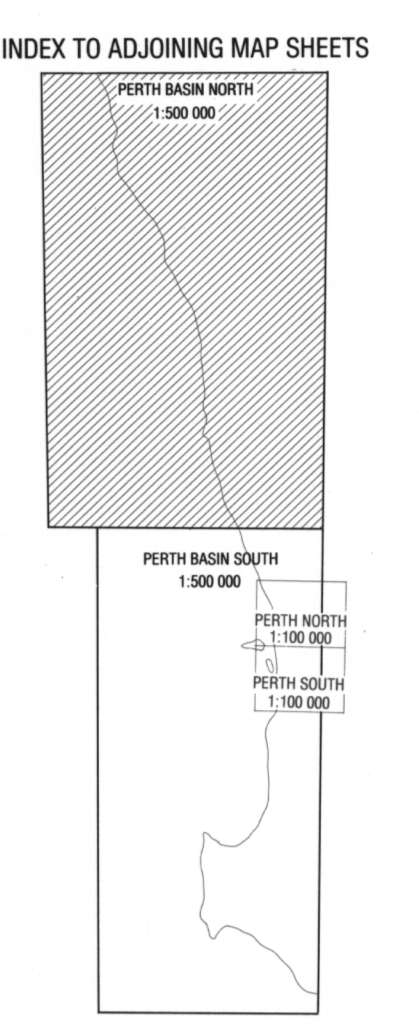
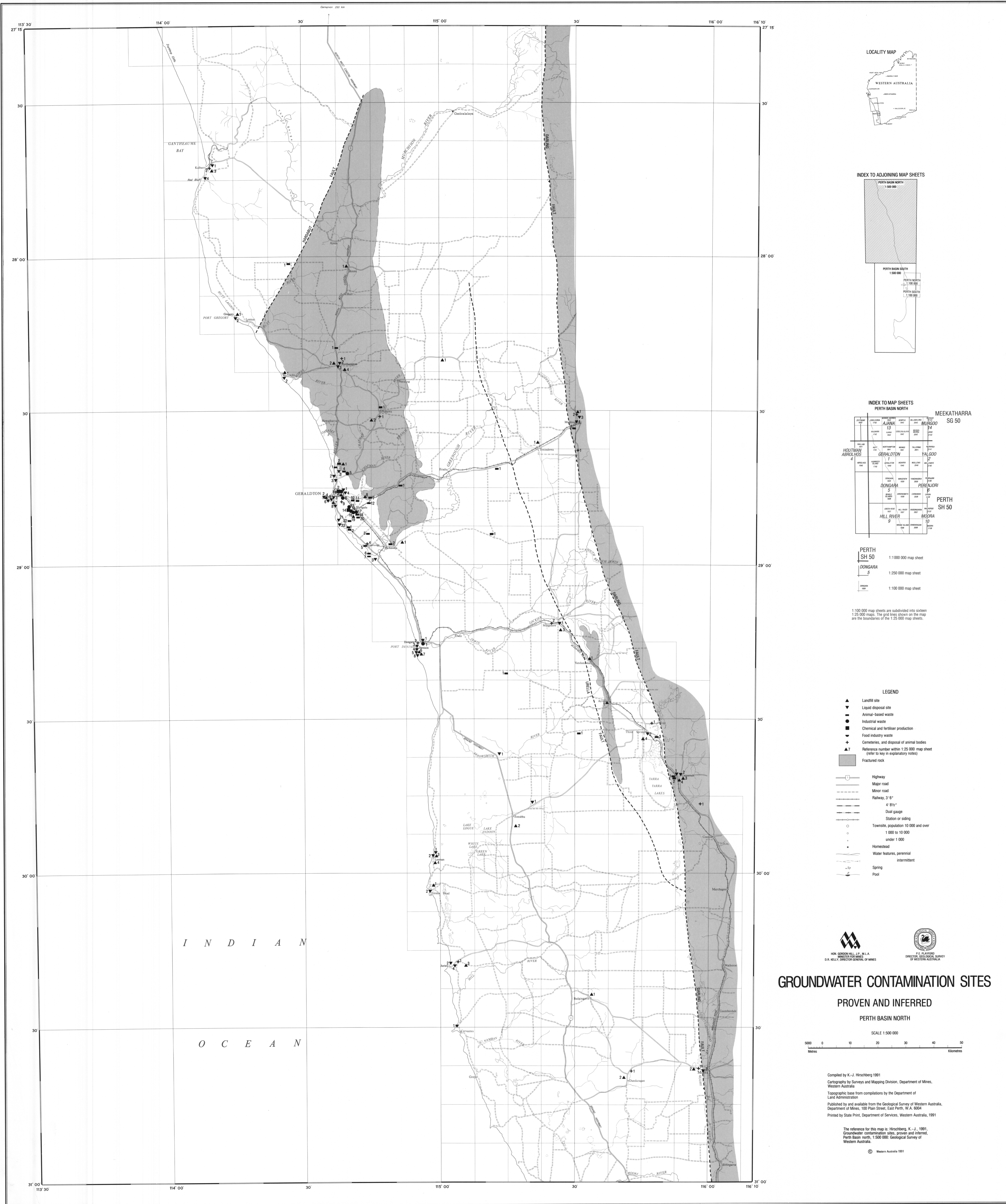
PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
		MAP REFERENCE: SI/50-06,2030-I-SW			
SI/50-06,2030-I-SW	1	3897	62768	F	Dairy
		MAP REFERENCE: SI/50-06,2030-II-SW			
SI/50-06,2030-II-SW	1	3849	62403	RL	Landfill and septic
	2	3856	62397	L	Caravan Park
	3	3861	62397	L	Nannup Caravan Park
	4	3860	62388	L	Nannup hospital
	5	3858	62382	L	Nannup High School
	6	3857	62375	B	Nannup cemetery
	7	3854	62374	I	Sawmill
		MAP REFERENCE: SI/50-06,2030-IV-NE			
SI/50-06,2030-IV-NE	1	3799	62874	A	Fish fertilizer factory
	2	3755	62872	A	Abattoir
		MAP REFERENCE: SI/50-06,2030-IV-NW			
SI/50-06,2030-IV-NW	1	3683	62908	I	Synthetic rutile plant
	2	3677	62901	B	Cemetery
	3	3707	62895	A	Piggery
	4	3612	62888	L	Pepperm Gr Caravan Pk
	5	3652	62877	F	Winery
	6	3679	62871	F	Dairy
	7	3668	62868	I	Synthetic rutile plant
	8	3656	62852	RL	Landfill + septic
	9	3638	62845	I	Synthetic rutile plant
		MAP REFERENCE: SI/50-06,2030-IV-SW			
SI/50-06,2030-IV-SW	1	3615	62758	R	Landfill site
		MAP REFERENCE: SI/50-06,2031-I-NE			
SI/50-06,2031-I-NE	1	3957	63479	B	Cookernup cemetery
	2	3963	63406	F	Dairy and fruitjuice
	3	3973	63406	F	Harvey dairy
	4	3981	63388	A	Abattoir
	5	3979	63387	B	Harvey cemetery
	6	3980	63381	RL	Liquid waste disposal
	7	3981	63381	RL	Landfill + liquid
	8	3961	63377	L	Sewage treatment plant
		MAP REFERENCE: SI/50-06,2031-I-NW			
SI/50-06,2031-I-NW	1	3877	63410	R	Landfill Myalup
	2	3875	63405	B	New Harvey cemetery
	3	3943	63394	A	Abattoir
		MAP REFERENCE: SI/50-06,2031-I-SW			
SI/50-06,2031-I-SW	1	3843	63249	I	Titanium pigment
	2	3846	63249	I	Gas production
	3	3847	63249	C	Chemicals production
	4	3848	63249	I	Cement batching
	5	3901	63213	A	Abattoir
	1	3920	63203	L	Brunswick Jn Caravan Pk
	2	3915	63195	F	Dairy
	3	3913	63193	I	Mechan workshop trucks
	4	3912	63192	I	Mechan workshop trucks
	5	3902	63185	L	Sewage treatment plant
	6	3903	63123	L	Sewage treatment plant
	7	3852	63118	L	Accommodation Village

GROUNDWATER POLLUTION INVENTORY

PERTH BASIN

PRIMARY GRID REF.	No.	EAST.	NORTH.	SYMBOL	ACTIVITY
SI/50-06,2031-I-SW	8	3852	63113	I	Brickworks
	9	3847	63112	R	Landfill site
	10	3907	63095	R	Aband landfill Burekup
MAP REFERENCE: SI/50-06,2031-II-SW					
SI/50-06,2031-II-SW	1	3840	63038	B	Aband cemetery
	2	3851	62997	A	Abattoir
	3	3857	62972	F	Dairy
	4	3842	62951	RL	Landfill + septic
MAP REFERENCE: SI/50-06,2031-III-NE					
SI/50-06,2031-III-NE	1	3813	63185	B	Pioneer cemetery
	2	3803	63180	L	Lesch. Inlet Caravan Park
	3	3773	63177	I	Effluent disposal
	4	3823	63175	R	Aband landfill
	5	3824	63173	L	Sewage treatm plant
	6	3797	63149	I	Titanium pigment
	7	3792	63141	L	Holiday Homes Caravan Park
	8	3787	63132	L	Riverside Caravan Park
	9	3754	63129	I	Power station
	10	3728	63126	L	Wastew. treatment plant
	11	3820	63123	L	Sewage treatment plant
	12	3738	63121	L	Caravan park
	13	3732	63119	I	Mech workshops
	14	3765	63117	F	Margarine manufact
	15	3726	63115	B	Aband cemetery
	16	3786	63098	A	Abattoir
	17	3724	63093	R	Aband landfill
	18	3797	63093	I	Marshalling yards
	19	3779	63092	I	Mech workshop
	20	3756	63088	B	Cemetery
	21	3793	63088	I	Bitumen manuf
	22	3734	63087	I	Caravan park
	23	3783	63087	C	Fertilizer manufact
	24	3795	63086	F	Soft drink bottling
	25	3802	63085	F	Sausage casing manuf
	26	3752	63084	B	Aband cemetery Picton
	27	3755	63084	I	Mech workshop
	28	3805	63084	I	Oil recycling
	29	3757	63083	I	Bitumen manuf
	30	3775	63080	RL	Aband landf + liqu disp
	31	3777	63077	A	Abattoir
	32	3759	63076	C	Chem manufact
	33	3807	63075	I	Wood processing + treatm
	34	3818	63070	A	Piggery
	35	3724	63093	R	Aband landfill
MAP REFERENCE: SI/50-06,2031-III-NW					
SI/50-06,2031-III-NW	1	3719	63099	L	Caravan park
	1	3719	63099	L	Punchbowl Caravan Park
MAP REFERENCE: SI/50-06,2031-III-SE					
SI/50-06,2031-III-SE	1	3745	63056	R	Aband landfill
	2	3798	63053	I	Wood products
	3	3799	63051	I	Resin products
	4	3732	63032	I	Laundry
	5	3827	63023	B	Aband cemetery
	6	3830	63022	RL	Aband landfill + septic
	7	3724	63009	B	Cemetery



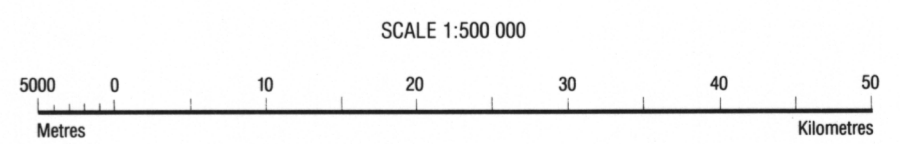
1:100 000 map sheets are subdivided into sixteen 1:25 000 maps. The grid lines shown on the map are the boundaries of the 1:25 000 map sheets.

- LEGEND**
- ▲ Landfill site
 - ▼ Liquid disposal site
 - Animal-based waste
 - Industrial waste
 - Chemical and fertilizer production
 - ▼ Food industry waste
 - ▲ Commence and disposal of animal bodies
 - ▲7 Reference number within 1:25 000 map sheet (refer to key in explanatory notes)
 - Fractured rock
 - Highway
 - Major road
 - Minor road
 - Railway, 3' 6"
 - 4' 6"
 - Dual gauge
 - Station or siding
 - Townsite, population 10 000 and over
 - 1 000 to 10 000
 - under 1 000
 - Homestead
 - Water features, perennial
 - intermittent
 - Spring
 - Pool

GROUNDWATER CONTAMINATION SITES

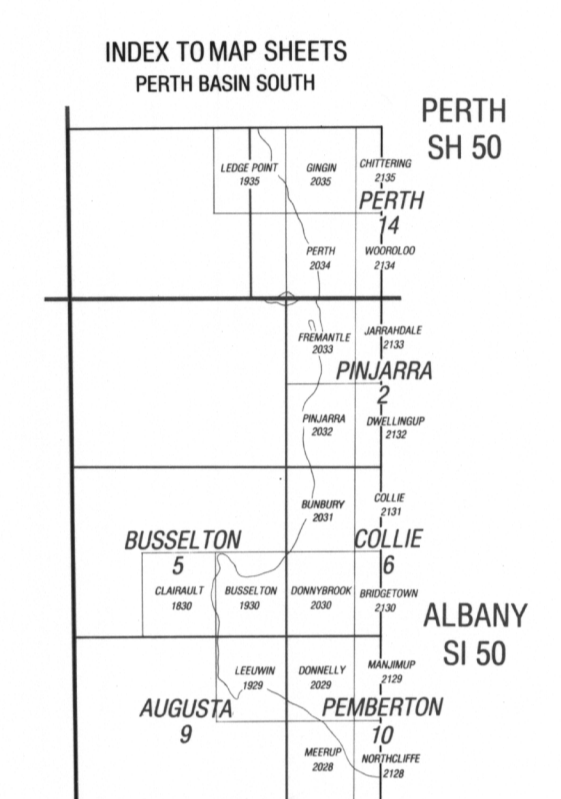
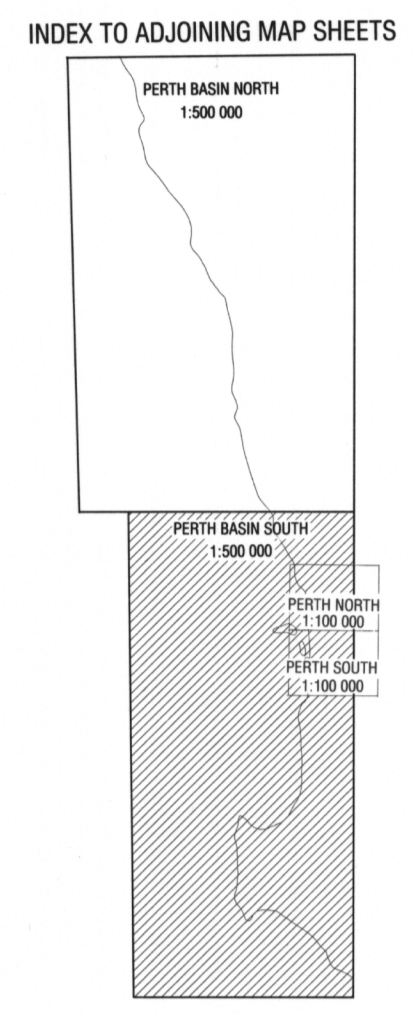
PROVEN AND INFERRED

PERTH BASIN NORTH



Compiled by K.-J. Hirschberg 1991
 Cartography by Surveys and Mapping Division, Department of Mines, Western Australia
 Topographic base from compilations by the Department of Land Administration
 Published by and available from the Geological Survey of Western Australia, Department of Mines, 100 Flax Street, East Perth, W.A. 6004
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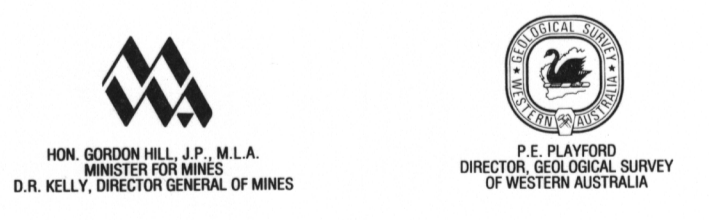
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ALBANY SI 50	1:1 000 000 map sheet
COLLIE 6	1:250 000 map sheet
PERTH SH 50	1:100 000 map sheet

1:100 000 map sheets are subdivided into sixteen 1:25 000 maps. The grid lines shown on the map are the boundaries of the 1:25 000 map sheets.

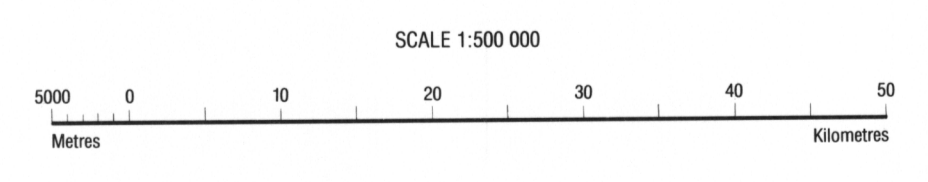
- LEGEND**
- ▲ Landfill site
 - ▼ Liquid disposal site
 - Animal-based waste
 - Industrial waste
 - ⊕ Chemical and fertiliser production
 - ⊖ Food industry waste
 - ⊕ Cemeteries, and disposal of animal bodies
 - ▲ Reference number within 1:25 000 map sheet (refer to key in explanatory notes)
 - Fractured rock
 - Highway
 - Major road
 - Minor road
 - Railway, 3' 6"
 - 4' 8 1/2"
 - Dual gauge
 - Station or siding
 - Townsite, population 10 000 and over
 - 1 000 to 10 000
 - under 1 000
 - Homestead
 - Water features, perennial
 - Intermittent
 - Spring
 - Pool



GROUNDWATER CONTAMINATION SITES

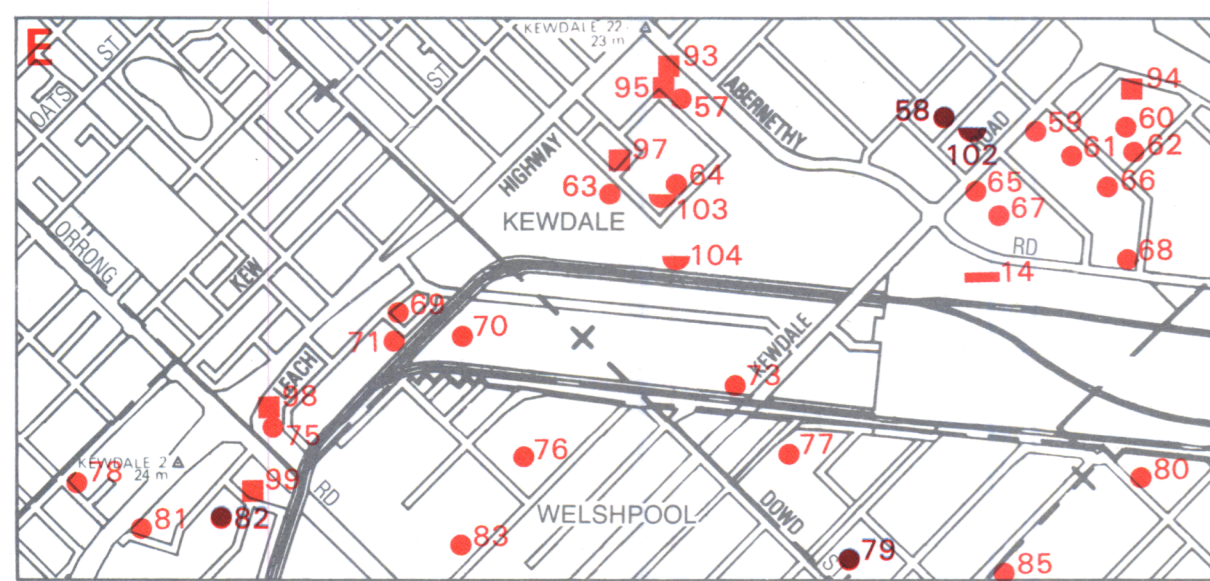
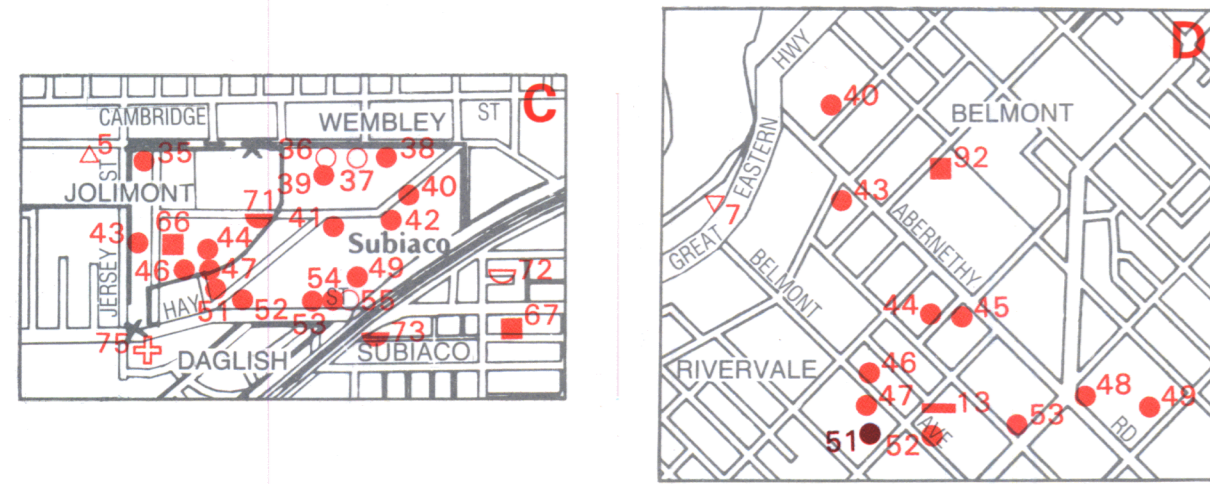
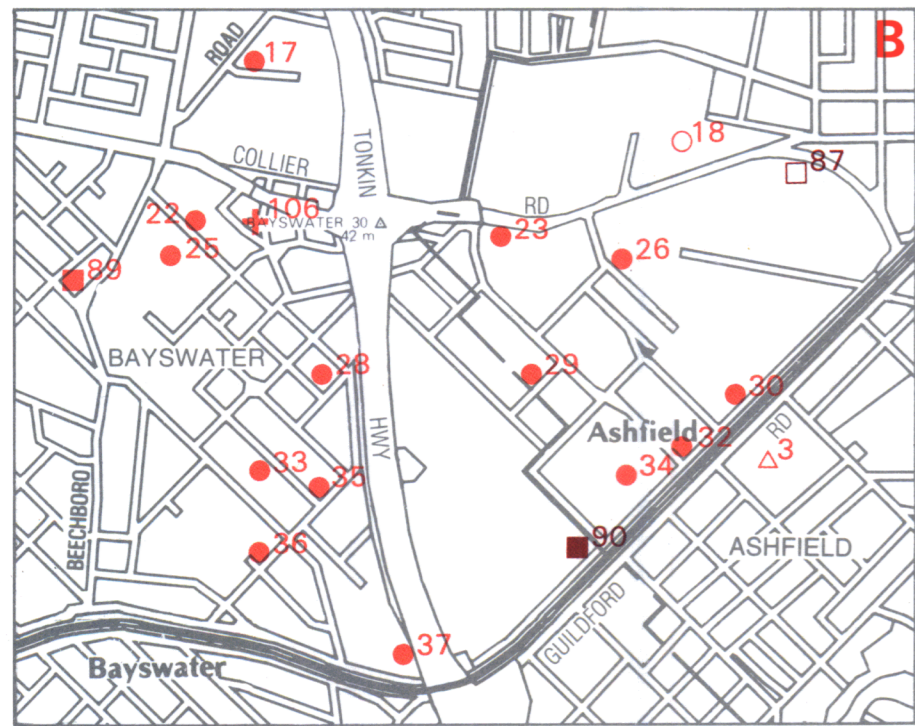
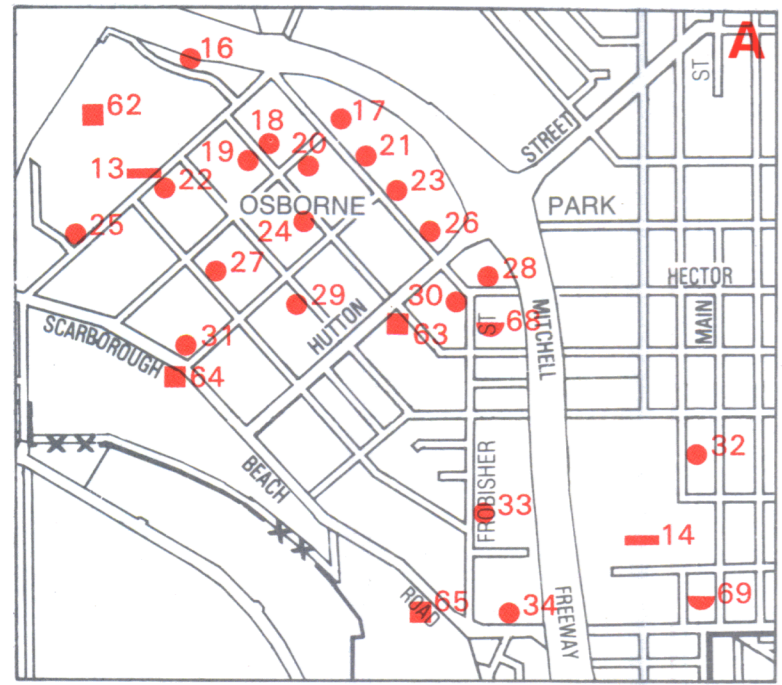
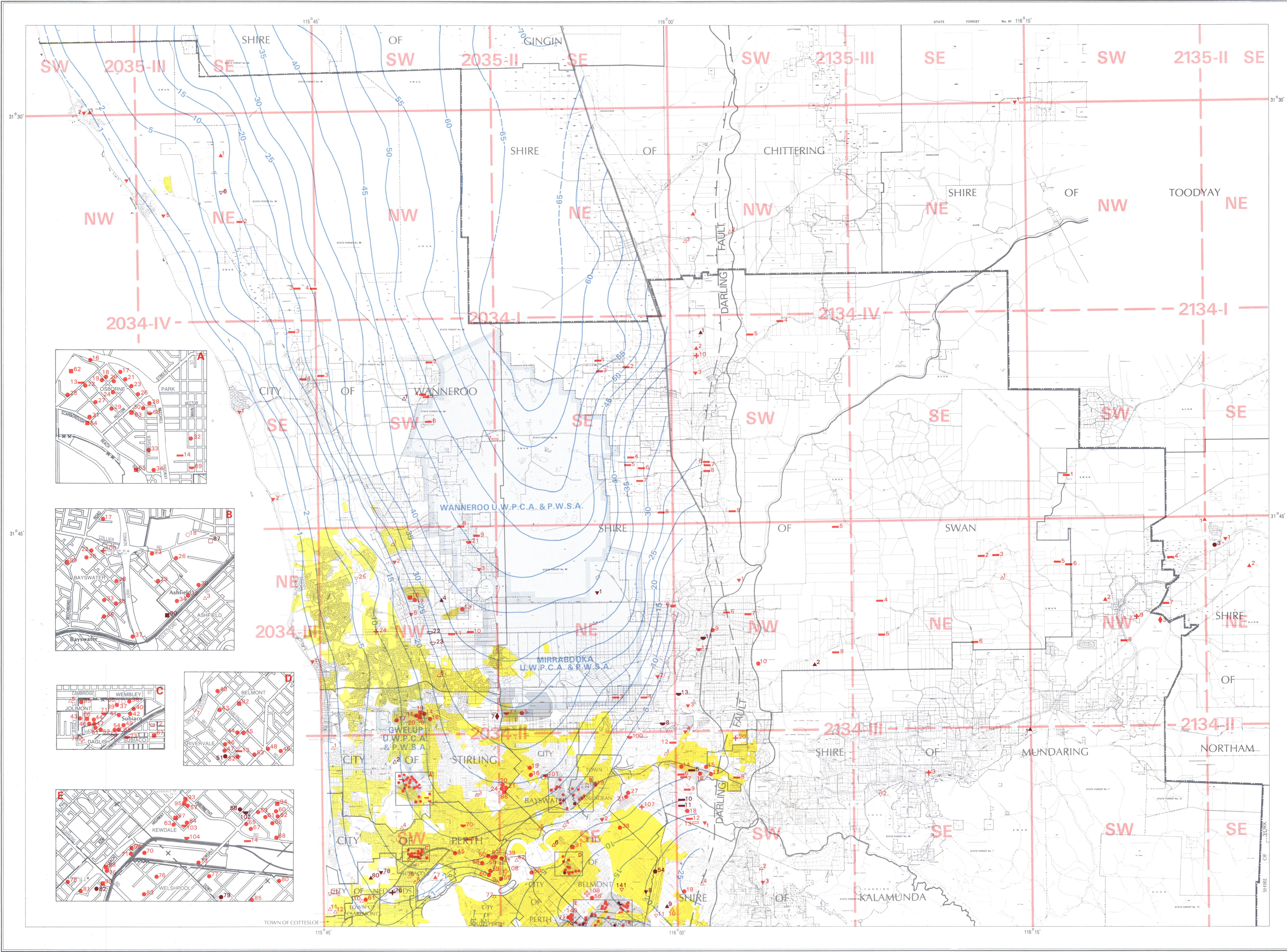
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PERTH BASIN SOUTH



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 Topographic base from compilations by the Department of Land Administration
 Published by and available from the Geological Survey of Western Australia, Department of Mines, 100 Plain Street, East Perth, W.A. 6004
 Printed by State Print, Department of Services, Western Australia, 1991

The reference for this map is: Hirschberg, K.-J., 1991, Groundwater contamination sites, proven and inferred, Perth Basin south, 1:500 000, Geological Survey of Western Australia.



LEGEND

— A.M.G. Grid

— 30 — Water table contours (metres above A.H.D.)

■ Sewered areas

■ Underground Water Pollution Control Area and Public Water Supply Area

■ Zoned industrial areas

— Extent of Perth Basin sediments

Key to symbols

● proven	○ inferred	● operating	○ abandoned
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- ▲ Landfill sites
- ▼ Liquid disposal sites
- Animal based waste
- Industrial waste
- Chemicals, fertilisers
- Food industry waste
- Cemeteries, Animal disposal



PERTH NORTH
PERTH SOUTH

Cartography by the Surveys and Mapping Division, Department of Mines, Western Australia.

Cadastral base from State Planning Commission, Metropolitan Region Scheme Map 1981

Published by and available from the Geological Survey of Western Australia, Department of Mines, 100 Plain Street, Perth.

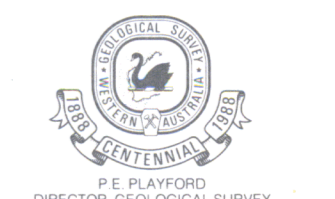
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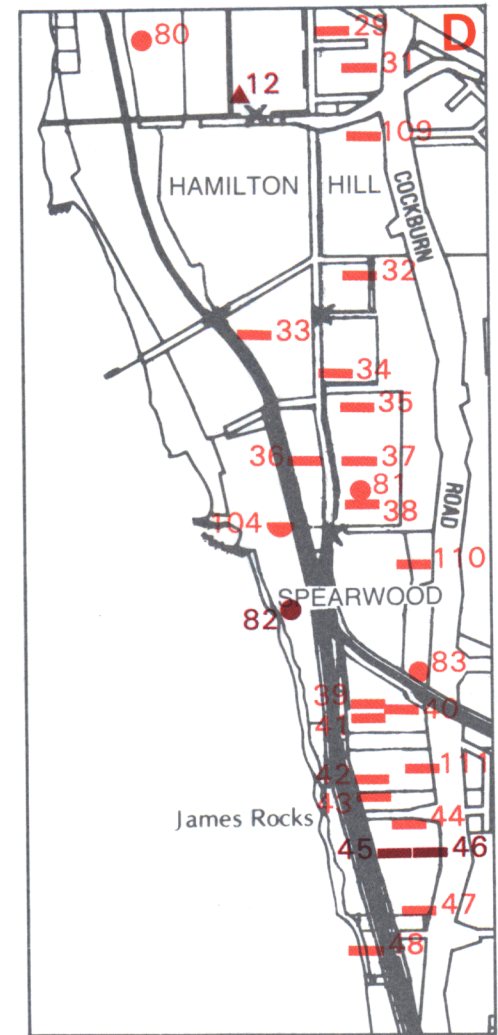
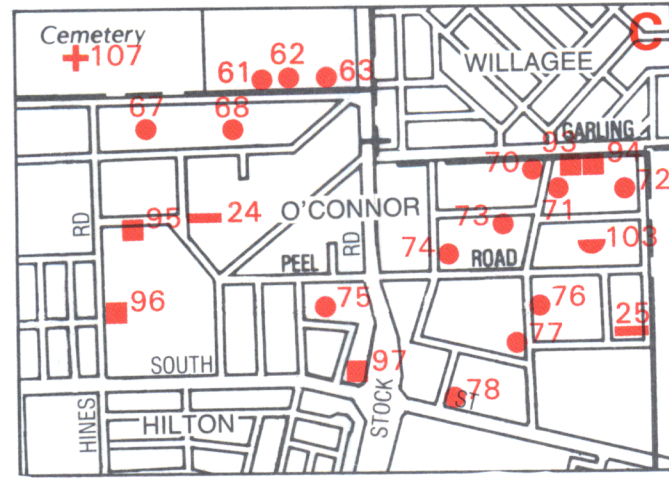
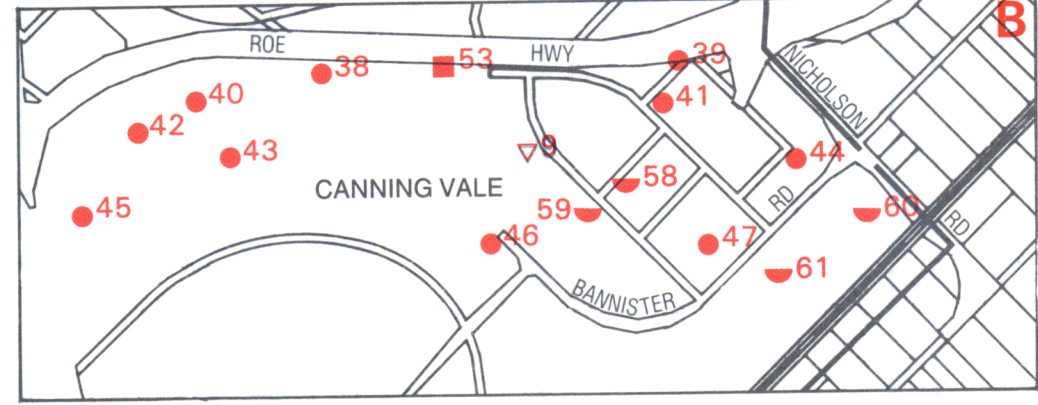
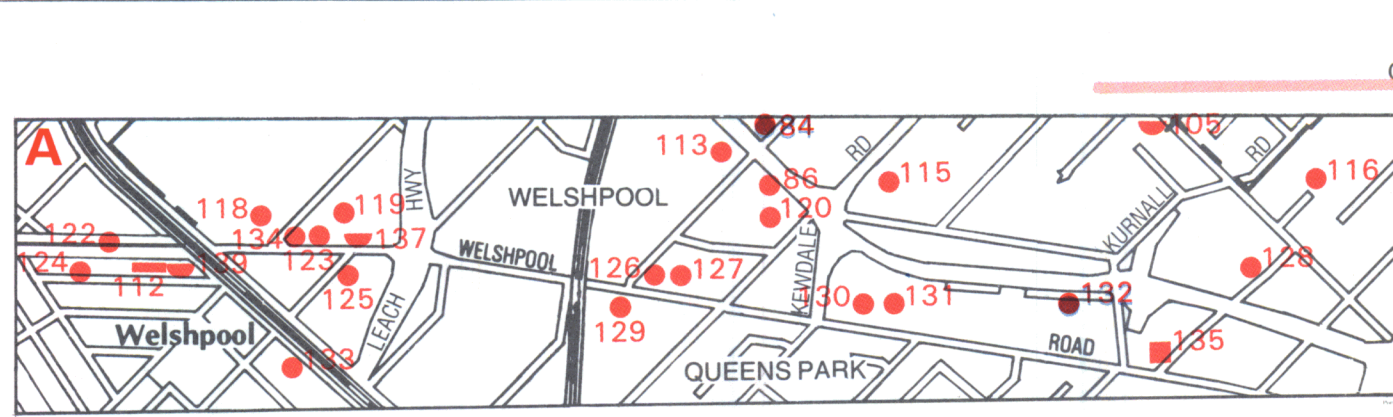
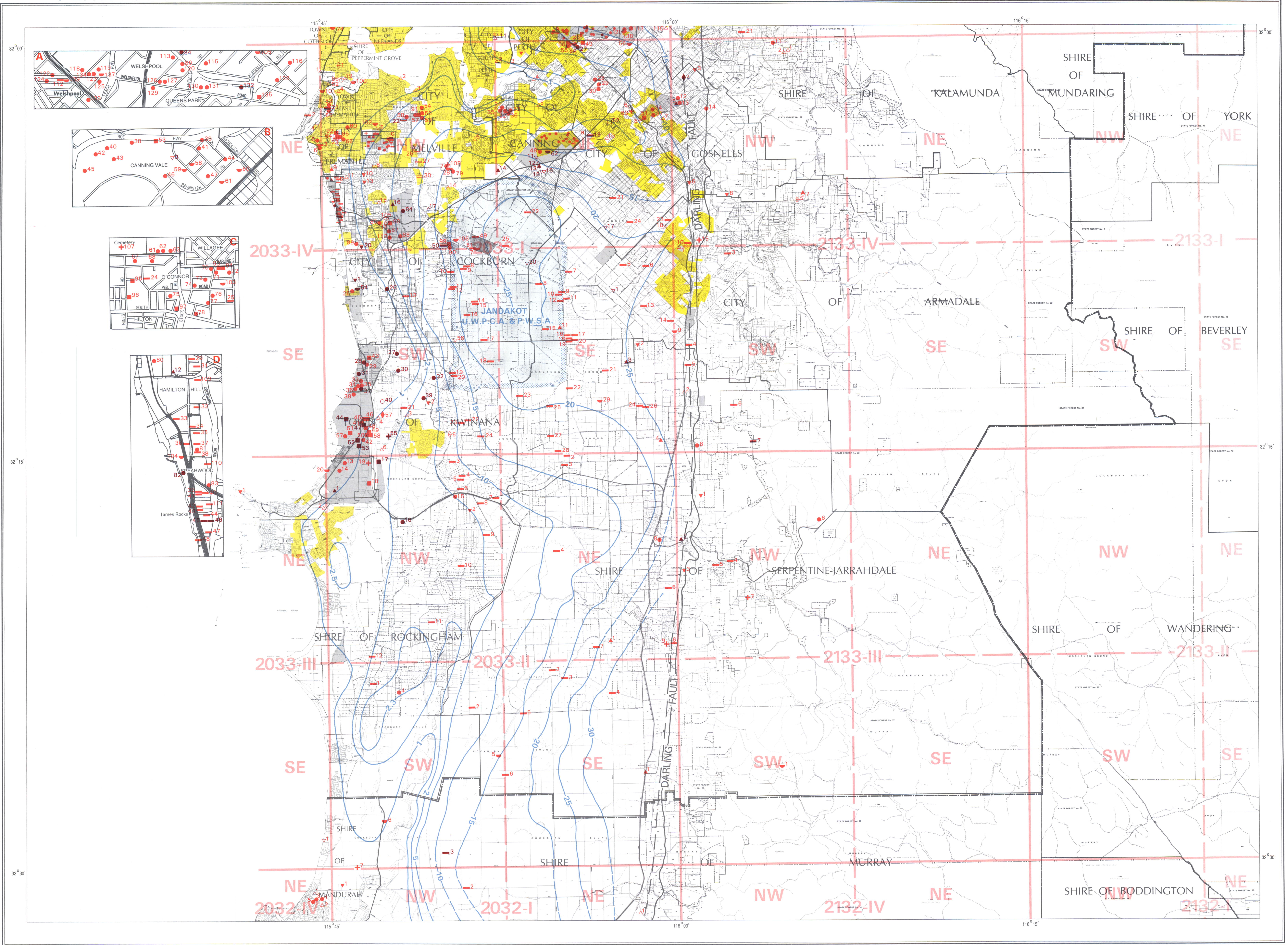
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PERTH NORTH

GROUNDWATER CONTAMINATION SITES

PROVEN AND INFERRED





LEGEND

Key to symbols

- proven
- inferred
- operating
- abandoned

- Landfill sites
- Liquid disposal sites
- Animal based waste
- Industrial waste
- Chemicals, fertilisers
- Food industry waste
- Cemeteries, Animal disposal

- A.M.G. Grid
- Water table contours (metres above A.H.D.)
- Sewered areas
- Underground Water Pollution Control Area and Public Water Supply Area
- Zoned industrial areas
- Extent of Perth Basin sediments

SCALE 1:100 000
metres 1000 0 1 2 3 4 5 6 7 8 9 10 kilometres



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PERTH SOUTH
GROUNDWATER CONTAMINATION SITES
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