

What We Did – Svy Units based in WESTERN AUSTRALIA

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YEAR	UNIT	OPERATION/ PROJECT	DURATION	LOCATION	NATURE OF WORK UNDERTAKEN	PERSONS TAKING PART	OTHER INFORMATION
1946							
1947							
1948							
1949							
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1956							
1957							
1958							
1959							
1960 <i>JB</i>	W Comd Fd Svy Sect	No name		Kimberley	1:250,000 map control	Maj Bill Springer	
1961 <i>JB</i>	W Comd Fd Svy Unit	No name		Gibson Desert	1:250,000 map control. Hor con by 4 th order astro (position lines) Ver Con by airbourne altimetry	Capt John Bullen, Sgts George Gruszka, Phil Giblett,	9 map sheets: Madley, Warri, Cobb, Herbert, Browne, Bentley, Robert Breadon Talbot. Aerotrig – slotted template; plotting – sketchmaster. RC9 photog flown by Adastra. Pre-recce done by SAS in 1960.
1961 <i>JB</i>	W Comd Fd Svy Unit	No Name	October		1 st order EDM traverse	Maj Bill Sprenger	Equip failure caused work to be abandoned
1962 <i>JB</i>	W Comd Fd Svy Unit	No Name	May - Sept	NW WA – Base at Port Hedland Roebourne eastward, then Broome to Cape	1 st order EDM traverse	Maj Bill Sprenger (OC), Capt John Bullen, WO2 Frank Cohen	Using MRA3 tellurometers & RW sup.

				Leveque and Yampi			
1962 <i>JB</i>	W Comd Fd Svy Unit	No Name	October	North West WA	Con for 1:250,000 map 'Mount Anderson	Capt John Bullen and two others – Cpl ??, Pte ??	LOH sup by Helicopter Utilities. Crash at Frome Rocks. Task finished by road
1963 <i>JB</i>	W Comd Fd Svy Unit	No Name		North West WA	Re-measure part of Yampi EDM traverse 1:250,000 map con in Great Victoria Desert		
1964							
1965							
1966 <i>KW</i>	W Comd Fd Svy Unit OC Maj Hugh Taylor	No Name	3 Months – Jun-Sep	WA – Kalgoorlie	Arial annotation of 1inch to 1mile semi controlled photos for production of 1:250,000 maps. Extended from Laverton and Leonora in the north two map sheets wide to Esperance in the south.	Cpl Harry Newman Sprs Kym Weston, Jeff Larkin, Kevin Brewer and others	Using civil charter Cessna At end of period moved on to remeasuring the Esperance to Balladonia traverse
1966 <i>KW</i>	W Comd Fd Svy Unit OC Maj Hugh Taylor	No Name	6 weeks	WA – Baladonia	Remeasure the existing Esperance to Balladonia traverse. (Major veh roll-over had to be evac by Flying Dr. No lasting injuries.)	WO2 Pat Wood I/C George Ulinger Lofty Keen Personnel from Kalgoorlie Field completion and others.	It was thought that errors in this traverse were due to towers being too low. Previous Bilby towers were only sandbagged to the ground as it was impossible to dig in. This trip a pneumatic drill and explosives under the supervision of an engineer were used to reconstruct 2 or 3 towers. OC Maj H Taylor and SSM WO1 'Father' Jim Booton visited.
1967 <i>CS</i>	5 Fd Svy Sqn		Apr-Aug	Kimberley region – base at Wyndham op	1 st order EDM traverse, 1/100 000 mapping,	Maj Clem Sargent, Capt Ken Lyons, WO1 Jim Booton, WO2 Bob McKenna, Sgts Jo	

				area Cambridge Gulf – Halls Creek		Mazzarol,(MT) Con Tsalalos, Sprs ? Black, ? Brewer, Bert Rozema plus others	
1968 CS	5 Fd Svy Sqn		Apr - Aug	West Kimberley region – base at Derby	1/100 000 map control, connection to Adelie Island Map control by Aerodist, EDM traverse, aerial heighting by baro altimetry, map annotation	Maj Clem Sargent, Capt Peter Eddy, Lt (CMF ftd)?, WO1 Spike Jones?, WO2 Alex Munro, WO2 Bob McKenna, Sgts Daryl Hockings, Tony Waldron, Noel Clutterbuck (RQ), Cpls Ray Sargeant, Alex Cairney, Sprs David Anderson, Greg Buckenham, plus others	
1969 CS				Sqn HQ - Fremantle	1/100 000 map control Geraldton – Carnarvon region	Lt John Whitburn, WO1 Spike Jones, others	OC detached to 2 Sqn
1970							
1971 CS TA PB	5 Fd Svy Sqn	Project D3/71	4 mths – Jun-Oct	NT – initially based at Darwin then in WA (Kimberley) – based at Kalumburu near the Benedictine Mission.	1/100 000 map control, Bathurst & Melville Islands, NT, Buccaneer Archipelago.. Map control by aerodist.	OC Maj Clem Sargent, Ops O Capt Noel Sproles, Capt Peter Eddy (at end of op) Capt Sambas, (Indon army) 2Lt Bruce Brammy, Warwick Setree (NS), WO1 Bob McKenna Aerodist master op), WO1 Spike Jones, Sgts Noel Clutterbuck (RQ), Hicks (RAEME), Ray Sargeant (Log) Tony Waldren, Eddie Schultz, Dennis Duquemin, Daryl Hockings, Cpls Werner Kuhnle, Bob Atkinson, Bill Kemp, Pete Biorac, Bill von Malenstein, Brian Firms, Phil Bray, John Mobbs, Barry Parker (CC), , Pete (Emu) Osterhage, Johnny (Whiskey) Walker, Frank Yeates, Wilkinson Sprs Mick (MCV)Venn, Phil Boyle, Bob McCarthy (NS	Capt Reg Saunders hosted for about a week at Kalumburu Capt Sproles undertook a 'sovereignty' visit by means of RAN patrol boat to Ashmore Reef. All survey personnel aerodist remote and/or records interpreting data.

						svyr) Keith Breaahny (NS dtmn), Rod Moss, Tim Allanson, Don Maskew, Al (Alzo) Rossow, Pete Colewell, (George) Lindsey Clarke (?) George Timmins (?), Keith Wilkinson, Brian Silver, Terry (TJ) Wicker, Don Musgrave, Chris Dixon, Cliff Webb, Brett (Dutchy) Van Leeuwin, John Gilbert , Peter (PJ) Bowen, Phil Bray (Air Photog), Mick Bancroft.	
1972							
1973	5 Fd Svy Sqn	OP Gading 3		Indonesia - Sumatra	Survey control for mapping	OC Maj Hugh Taylor	
1974 <i>PJ TA Gading IV Report.</i>	5 Fd Svy Sqn	OP Gading 4	Apr - Aug	Indonesia – Sumatra. Base camp at Medan	Survey control for 1:50,000 mapping Ver con barometric heighting. Satellite fixation of selected primary stations using Hor con by Geociever on loan from US Defence Mapping Agency (DMA). Mapping photography flown by 2 Sqn RAAF	OC Maj Alex Laing, Capt Peter Bates-Brownsword, Lt Fred Brown, Maj DG Rossi (MO), Lt PC Coghlan (RAE Liaison Butterworth) WO1 Bob McKenna (aerodist master op), WO2 Daryl Hockings (Ops Offr), WO2 Noel Clutterbuck (Q), SSgts Bill Van Malenstien (I/C Heighting parties), Dennis Duquemin (Geociever Ops) Sgt Ray Sargeant (Tpt), JD Collins, , WB Kemp (Liaison Butterworth), JD Doidge (RA Sigs _ communication), Cpls: George Clarke, P Colwell, JW Lees, Peter Osterhage, Brian Partridge, MC Venn, LCpls JW Cross, RG McKay, PD Twidale, Sprs Brian Cosford, Tim Allanson, Rusty Williams.	Chartered Beechcraft Queenair used for supplementary photography of control points and gaps.

1975 <i>PJ</i> <i>TA</i> Gading V Project Report	5 Fd Svy Sqn	OP Gading 5	May - Aug	Indonesia – Sumatra. Base camp at Padang.	Survey control for mapping Geociever (when it worked) Barometric heighting	OC Maj Alex Laing, Capt RJ Wood, WO2 Daryl Hocking (Ops Offr), Capt GA Mumme (MO), Capt GJC Lee (RA Inf), Lt DJ Martindale (RAE), 2Lt RH Gunthorpe, SSgts Dennis Duquemin i/c heighting parties), BW (Brian) Firms, Sgts JD Collins, KJ Kennedy, BE (Barry) Parker, JR (Ray) Sargeant (MT), CL (Chris) Dahlberg (2 Fd Svy Sqn) Cpls CJ Andrews, Brian (Wild Bill) Cosford (heighting), Al Kavanagh (GC party & heighting), Cliff Webb (GC party & heighting) BJ (Brian) Partridge (GC party), Kev (Spook) Kennedy (Camera op), Sprs John Gilbert (GC party), Paul Cheater (heighting), Darcy Volz (heighting), Tim Allanson (heighting), Bob (half track) McKay (Heighting)	
1976 <i>PJ</i>	5 Fd Svy Sqn		Aug - Sep	WA – Pilbara & Murchison River areas	Road classification of 76 1: 100.000 mas	Det OIC Lt Daryl Hockings	Undertaken for conversion to military specifications of National Mapping maps
1977							
1978 <i>PJ</i>	5 Fd Svy Sqn	??	?	WA – Augusta – Pemberton area	Field completion of 12 x 1:50,000 maps	??	
1978 <i>PJ</i>	5 Fd Svy Sqn	OP New Broom		WA – Exmouth Peninsula	Hor & ver control for 6 x 1:50.000 maps and subsequent field checking	OIC WO2 Dennis Duquemin	
1979							
1980 <i>PJ</i>	5 Fd Svy Sqn		Jul - Aug	WA – Great Sandy Desert	Under defence force assistance to the civil community program,	Lt Peter Jensen	Two members of the 1896 expedition died whie looking for

					navigate for an historical society to follow, find and renovate the water wells established by the disastrous Calvert Expedition of 1896 led by the SA surveyor Lawrence Wells		Joanna Springs that had been reported by an 1874 expedition. Methods used to navigate in 1980 were interpretation from the original Wells journal, compass and pace, astro position fix with Wild T2 theodolite, map reading scale 1:250,000 NTMS and photo interpretation.
1981 <i>PJ</i>	5 Fd Svy Sqn	OP Microbe	Jul - Sep	WA – Pilbara region	Estb Survey control for 1: 50,000 mapping		Operation carried out with WA Lands Dept
1981 <i>PJ</i>	5 Fd Svy Sqn	OP Numbah	Jan - Feb	Christmas Island offshore	Estb survey control	OIC Lt John Mobbs plus two	
1982 <i>PJ</i>	5 Fd Svy Sqn	OP Mizmaze	Jun - Jul	WA – Kimberley region	Estb mapping control by Magnovox MX 1502 receivers. 24 sta completed and 200 existing sta panelled and photographed for 1:50,000 mapping	OC Maj Pat Wood	Magnovox based on Transit Navigation Satellites replaced the Geociever ANPRC 14
1982 <i>PJ</i>	5 Fd Svy Sqn	OP Microbe		WA – Pilbara region	Field completion of 61 x 1: 50,000 maps	OIC S/Sgt Russ Larson	
1982 <i>PJ</i>	5 Fd Svy Sqn	OP Miscast	15 Feb – 22 Mar	WA – Yilgarn Goldfields region	???		
1983 <i>PJ</i>	5 Fd Svy Sqn	OP Golden Fleece	Sep	WA – Murchison Gascoyne region	Estb survey control (35 points) by MX 1502 receivers and panel and photograph 220 existing survey stations.		
1983 <i>PJ</i>	5 Fd Svy Sqn	OP Mizmaze	May - Aug	WA – Pilbara Kimberley area	Vertical control by APR		
1984 <i>PJ</i>	5 Fd Svy Sqn	OP Grass Castles		WA – Yampi Training area	Field completion		
1985 <i>FL</i>	5 Fd Svy Sqn	Carto Jarrah		South West WA	Field checking	Colin Cuskelly	
1986	5 Fd Svy			WA – Pilbara	Field checking &	Alan Toogood, Steve Foster,	Camp locs – Karratha,

<i>FL</i>	Sqn			region	supplementary air photogaphy	Frank Lenane (litho), Scott Payne, others	Port Hedland, Hillside Station (near Marble Bar), Newman.
1987 <i>FL</i>	5 Fd Svy Sqn	OP Mizmaze		WA Kimberleys	Field checking & supplementary air photography		
1987 <i>PJ</i>	5 Fd Svy Sqn	OP Microbe	Phase 1 – 19 May – 10 Jul. Phase 2 – 19 Oct – 14 Oct	WA – Pilbara region	Field Completion 130 x 1:50,000 maps in Roy Hill, Balfour Downs, Mt Bruce, Onslow, Pyramid, Turree Creek 1: 250,000 areas.		
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1989							
1990							
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1992							
1993							
1994							
1995							
1996							