

What We Did – Svy Units based in NEW SOUTH WALES

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YEAR	UNIT	OPERATION/ PROJECT	DURATION	LOCATION	NATURE OF WORK UNDERTAKEN	PERSONS TAKING PART	OTHER INFORMATION
1946 CS	5 Fd Svy Coy	No Name		Melong NSW	Map control MELLONG 1/63360	Sgts Tut Turrel, Jim Long, Cpl Ted Laker, Sprs Peter Gale & others	Clem Sargent
1946 CS	5 Fd Svy Coy	Snowy River Surveys 1	Aug - Sept	Khancoban	Investigation Geehi River levels	WO1 Dick Connors, Sgt Ted Laker, Sprs George Harvey, ? Mathers & others	
1946 CS	5 Fd Svy Coy	Snowy River Surveys 2	Nov - Dec	Jindabyne	Levelling, minor trig	WO2 Spencer Snow, Sprs Bert Howlett, Trevor Jordan, Frank Nolan, Dave Rees, Clem Sargent, Vic Wilson	
1947 CS	5 Fd Svy Coy	Snowy River Surveys 3	Feb - Apr	Jindabyne	minor trig, heighting	As above plus Sgts Tut Turrel, John Hutchinson, Ted Laker, Sprs Ken Lyon, Jack Sharkey, Bevan Wilson	
1947 CS	5 Fd Svy Coy	Snowy River Surveys 4	May - Jul	Khancoban	Minor trig, heighting	WO1 Spencer Snow, WO1 Harry Butler, Sprs Noel Bedford, Les Gilbert, Frank James, Trevor Jordan, Dick Levings, Clem Sargent	
1948 CS	5 Fd Svy Coy	Snowy River Surveys 5	Feb - Jul	Berridale/ Jindabyne	Heighting Berridale, Kosciuszko 1/63360	Maj Lindsay Lockwood,(OC), Maj HPG Clues (DAD Svy), Capt Alan Roberts, Sgts Jim Long, Ted Laker, John Hutchinson, Cpl Clem Sargent, Sprs Ken Lyon, Jim Williams	
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1962 AC	E Comd Fd Svy Sect OC: Maj Barney Herbert	No project name		NSW – Far NW Milparinka Tibbooburra	1:250,000 annotation	OC Maj Barney Herbert B Chris Lancaster WO1s Ted Laker Jim Long WO2s Jim Williams Bill Miller SQMS SSgt Bert Roberts Tpt Cpl Jock Lillie (ex WW2 RA Sigs) Storeman Cpl Frank Hall (ex RA Inf), Sgts nil, Cpls Hans Kramer, Bruce Belette, Barry Baxter, John Watson, Ted Morris; Sprs Mick Gale, Mick Johnson, Mick Spencer, Bill Plint, Fred Ost unit strength 2 offr 17OR.	Mick Gale, Mick Johnson Mick Spencer, Bill Plint att AHQ Svy Regt for ops in Cape York, based at Weipa. LCH <i>Brudnel White</i> deployed. Maj Harvey Hall took over from Maj Barney Hebert in Jul. March ins: Sprs Alex Cairney from SMS, Tony Burston(ex Royal Engineers) awaiting basic course.
1963 AC	E Comd Fd Svy Unit OC Maj Barney Herbert		Jan – Apr	NSW – Glen Davis (Putty Trg Area)	Svy Control for 1:50,000 Mapping for Apr /May	Pers IN (Jan): WO2 Les Bailey ex SMS for discharge; Cpl Dave Christie ex map depot; (Jul) Sprs Brian Firns, Mick Soltys; (Aug) Joe O'Connor ex RA Arty for OJT awaiting basic svy course;.(Dec) Terry Starr, Derek Chambers, Brian Duncan ex SMS OUT: Spr Mick Spencer to W Comd. PROMOTIONS: to SGT – Christie, Kramer, Belette; to CPL – Johnson, Gale.	For 1st Pentropic Division Exercise SKY HIGH fol by Muliplotting & Compilation of ex area maps.
1963 AC	E Comd Fd Svy Unit OC Maj Barney Herbert		Jan – Apr	NSW – Glen Davis (Putty Trg Area)	Svy Control for 1:50,000 Mapping for Apr /May	Pers In (Jan): WO2 Les Bailey ex SMS for discharge; Cpl Dave Christie ex map depot; (Jul) Sprs Brian Firns, Mick Soltys; (Aug) Joe O'Connor ex RA Arty for OJT awaiting basic svy course;.(Dec) Terry Starr, Derek Chambers,	For 1st Pentropic Division Exercise SKY HIGH fol by Muliplotting & Compilation of ex area maps.

						Brian Duncan ex SMS OUT: Spr Mick Spencer to W Comd. PROMOTIONS: to SGT – Christie, Kramer, Belette; to CPL – Johnson, Gale.	
1964 AC	E Comd Fd Svy Unit OC Maj Harvey Hall				Lunar Occultation program commenced		On US ship FS 216
1964 AC	E Comd Fd Svy Unit OC Maj Harvey Hall		Feb-Mar	NSW – Whitecliffs	1:250,000 fd annotation	Cpl Kramer, Spr Cairney.	
1964 AC	E Comd Fd Svy Unit OC Maj Harvey Hall		Apr-May	NSW – Wilcannia, Anna- Branch, Pooncarie	Astro con for 1:250,000	Sgt Christie, Cpls Watson, Cockburn, Sprs Duncan, Firms, D Chambers.	
1964 AC	E Comd Fd Svy Unit OC Maj Harvey Hall		Nov-Dec	NSW – Blackville, Merrina	Con for 1:50,000	Cpls Mick Gale, Mick Johnson, Sprs Joe O'Connor, Alex Cairney.	
1964 AC	E Comd Fd Svy Unit OC Maj Harvey Hall		Jun-Aug	NSW – Narrandera, Hay, Balranald, Ouyen	Recon for 1 st order traverse	WO2 Bill Miller, Cpls Bruce Cockburn, Barry Baxter, Hans Kramer, John Watson, Spr Plint.	Major accident occurred when 'no-bolt tower fell over. WO2 Bill Miller rode tower to ground then jumped clear but broke both legs.
1965 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Apr-May	NSW – Tamworth	Con svy	Sgts Dave Christie, Bruce Bellette, Bruce Cockburn, Cpl Watson, Sprs McLeod, Chambers.	
1965 AC	E Comd Fd Svy Unit OC Maj Bob Hammett			Victoria – Mt Ida, Mangalore	Aerodist trials	Sprs Terry Starr, Alex Cairney, Soltys. Adastra Airways pilot Lionel Van Pragg.	Det to Army Svy Regt
1965 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		May-Jun	NSW – Gilgandra	Annotation 1:250,000	Sgts Hans Kramer, Bruce Cockburn, Cpl Watson, Sprs Derek Chambers, Brian Firms, Alex Cairney.	
1965	E Comd Fd		Jul-Nov	PNG	Aerodist con; 1st Order	Sprs Terry Starr, Soltys, Alex	Det to ?

AC	Svy Unit OC Maj Bob Hammett				Traverse Wewak to Highlands (N – S)	Cairney.	
1965 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Jul-Sep	NSW – Hay, Ouyen	1st order traverse	WO2 Jim Williams, Sgts Hans Kramer, Bruce Bellette, Bruce Cockburn, Cpls Bill Plint, Barry Baxter, Ted Morris, M Ost Spr McLeod.	
1965 BS	1 Topo Svy Tp		Sept	Randwick - Sydney	Troop raised comprising 3 Offr & 38 OR	OC Capt RF (Bob) Skitch.	
1966 BS	1 Topo Svy Tp		May	Randwick – South Vietnam	Det of Troop departed on active service to South Vietnam as an independent unit of the 1 st Australian Task Force based at Nui Dat. Undertook con svy for mapping and artillery purposes, large scale mapping and related map products in direct support of 1ATF	Det OC Capt Bob Skitch, WO1 Snow Rollston (2IC), WO2 David Christie, Sgts SR (Stan) Campbell, TD (Dave) King (Carto), Cpls JL (Jim) Roberts, Dennis Duquemin, DGP (Des) Ceruti, B Parker (Ord Rm), Sprs DEJ (Derek) Chambers, BW (Brian) Firns, Joe O'Connor, RB (Ron) Smith (NS). RA Svy pers allocated externally were: WO2 RH (Snow) Rollston from N Comd Fd Svy Unit – to be promoted to WO1. TCpl AR (Alan) Carew – Tech Stmn. Spr SR (Stan) Johns – Map Stmn (a veteran of the Korean war). Spr JW (Boots) Campbell – batman/driver. Pte BNF Brunning – cook (was returned to Australia (RTA) medivac soon after arrival in Vietnam). A further National Serviceman, T Cpl PC (Peter) Clarke replaced Cpl Parker, catching up with the unit part way through battle efficiency training at Jungle Training Centre (JTC).	
1966 AC	E Comd Fd Svy Unit		Jun-Jul	NSW – Nyngan	1:250,000 fd con by 4 th order astro	Cpls M Ost, Alex Cairney.	

	OC Maj Bob Hammett						
1966 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Jul-Aug	NSW – Nyngan-Narabri	1:250,000 fd annotation	Cpls Terry Starr, Ost, Sprs Soltys, McLeod.	
1967	1 Topo Svy Tp		April	Randwick	Troop less Det (Vietnam) redesignated B Sect 1 Topo Svy Tp.	OC Lt Keith McCloy, later Maj Alex Laing.	
1967	1 Topo Svy Tp		April	Nui Dat, South Vietnam	Det redesignated A Sect 1 Topo Svy Tp	OC Capt Bob Skitch to May '67 then Capt Alex Laing. Lt McCloy administered comd for 6 weeks May-Jul.	
1967 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Feb-Mar	NSW – Port Stephens	1:50,000 con	Cpls Baxter, Ted Morris.	For RAAF parachute school
1967 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Apr-Jun	NSW – Ouyen,Hay	1st order EDM traverse	WO1 Williams, Sgts Morris, Barry Baxter, Bruce Cockburn, Sprs McLeod, Greg Chambers, John Barrie, Craddon,, Young.	
1967 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Jul-Sep	NSW – Moree, Inverell, Glen Innes, Grafton, Iluka/Yabba	1:100,000 con for 4x1::250,000 areas	WO1 Jim Williams, Sgt Cockburn, Cpls Alex Cairney, Dennis Duquemin, Sprs C Craddon, Greg Chambers, Harry Hansen, Frank Young, John Barrie, John Hunter, T Bernstone, A Tinker, Atkinson, K Munn.	
1967 AC	E Comd Fd Svy Unit OC Maj Bob Hammett		Nov-Dec	NSW – Manilla	1:250,000 Fd annotation	Sgt Stan Campbell, Cpl Alex Cairney, Pte Graeme Birrell (RA Inf NS) Sprs Frank Young, R Goldberg	
1968 AC	E Comd Fd Svy Unit/ W Comd Fd Svy Unit OC Maj Bob Hammett	Project C1	Feb-Jun	Western Australia – West Kimberley Region	2 nd order EDM traverse & aerodist con for 1:100,000 mapping	Sgts Cairney, Bruce Cockburn, Sprs Greg Chambers, John Barrie, Frank Young, John Hook, Graeme Dowd, Dave Anderson, P Wakeling, Martin (NS), O'Reagan NS.	Det to W Comd Fd Svy Unit
1968 AC	E Comd Fd Svy Unit/ C	Project D1	Jun-Nov	Northern Territory – West	Aerodist con for 1:100,000 mapping	Capt David Hebblethwaite, Sgts Alex Cairney, J Willis (LS, NS),	Det to C Comd Fd Svy Unit

	Comd Fd Svy Unit OC Maj Bob Hammett			Arnhem Land		Cpls Dennis Duquemin, C Craddon, Sprs Dave Anderson, P Wakeling, L Griffiths, R Atkinson.	
1969 AC	2 Fd Svy Sqn		Feb-Mar	NSW – Narabri, Gilgandra, Coonabaraban	Recce for 1:100,000 con svy	Sgt Alex Cairney, Sprs Greg Buckingham, Strain	
1969 AC	2 Fd Svy Sqn	Project Pageos	Mar-Dec	NSW - Narabri		WO2s Con Tsakalos, Dave Christie, Sgt Alex Cairney, Cpl John Barrie.	With US Coast & Geodetic Survey
1969 AC	2 Fd Svy Sqn		May-Jun	NSW – Narabri, Gilgandra	1:100,000 con svy for Narabri-Gilgandra 1:250,000 blocks	Sgts Willis, Bruce Cockburn, Cpl John Hook – others.	
1970 CS PJ	Det 2 Fd Svy Sqn	Operation Mandau	April to Aug 5 months	Indonesia – Kalimantan based at Pontianak	1:50,000/1:100,000 map control by EDM traverse and Aerodist trilateration Aerial photography flown by RAF working from Seletar airbase on Singapore	Maj Clem Sargent, Capt David Hebblethwaite (2IC) 2Lt Greening, WO2 Stan Campbell, others. Capt Dick Ellis RE commanded the British contingent. Capt/Maj Bob Skitch (att 84 Svy Sqn RE) undertook a liaison role with HQFARELF and RAF photography.	This was a tri-nation operation with Australia (RA Svy), Britain (RE) and Indonesia. Team from 84 Svy Sqn RE carried out a surround EDM traverse of mapping area and RA Svy carried out aerodist trilateration. Airbourne barometric altimetry for height control.
1970 AC	2 Fd Svy Sqn		Jul-Aug	Narabri 1:250,000 block	Con svy for 1:100,000 mapping	Sgt Alex Cairney, Cpls Gilbert, R Offen, Dave Anderson, Jim Roberts, Sprs Ray Lawson, A Strain, Dave Johnson,	
1970 AC	2 Fd Svy Sqn		Aug-Sep	Cootamundra 1:250,000 block	Con Svy for 1:100,000 mapping	Sgt Alex Cairney, Cpl Dave Anderson, Sprs Ray Lawson, A Strain, K Wilkinson, Dave Johnson	
1970 AC	2 Fd Svy Sqn		Oct-Nov	Musswelbrook-Lithgow (Putty Trg Area)	Con Svy for 1:50,000 mapping	2Lt Greening, Sgt Alex Cairney, Cpls Offer, Col Laybutt, John Barrie, Brown, Wally Chilcott, Brian Knight, Alan Derby	
1971 AC	2 Fd Svy Sqn	Operation Gading 1	May-Jul	Indonesia – South Sumatra.	Svy con for 1:50,000 mapping. Aerodist MRA2	Majs Ted Laker (OC), R Traynor, (MO) Cpts David	Queen Air FWAcft – Pilot Mr Kevin

<i>PJ</i>				Main Base – Palembang		Hebblethwaite(2IC), T Muggelton (Admin), Moncrief (Pay), WO2s Hans Kramer (LO in Singapore), Stan Campbell, SSgt Alex Cairney, Sgts John Wilkes, A Henry, Bruce Cockburn (Tpt), Alan Carew (QMS), K Kenniwell (Med), R Shearer (Coms), Cpls R Gilbert, R Offer, M Barton (Ord Rm), Sprs A Brown, D Johnson, Jim Beard, Alan Derby.	Sullivan, Lt N Sinnott, Lt W Simpson. Caribou – FltLt R Anderson, PO G Mengison, Sgt R Blackwell (Loadmaster), Cpl P Manson & Cpl W Jelly (Gnd Crew)
1971							
1972 <i>FF</i> <i>PJ</i>	2 Fd Svy Sqn	Operation Gading 2	3 months Apr - Aug	Indonesia: Sumatra, Main Base Palembang	Survey control – Aerodist (MRA2) & air photography for mapping	OC Maj Ted Laker, WO1 Ross McMillan (based in Singapore) Sgts Andy Henry, Col Laybutt,, Dave Johnson; Sprs Rusty Williams, Danny Galbraith, Alan Glanville, Ala Brown, Cam Chapman, Frank Fisher, George Zirom.	
1973							
1974							
1975							
1976 <i>TA</i>	2 Fd Svy Sqn	Operation Cenderawasih 1 – (76)	Jul - Nov	Indonesia: Irian Jaya (now West Papua) – Main base Biak	Survey control (geodetic & mapping). Quality photograph flown by RAAF Canberra bombers. Hor con Geoceiver Ver con APR	OC Maj Don Swiney, 2Lt Ellis GC party (& satirical cartoonist) SSM WO1 Bob Mason, WO2 Chris Parkinson (GC party, records), Sgts Kev o'Halloran (GC party), Bruce Cockburn (Tpt NCO) Cpls Wally Chilcott (GC party), Tim Allanson (records), Phil Bannister (Ops room, GC party), Jamie Lyle (GC party)	Included use of low earth orbiting satellite receiver (US Navy Transit System based on Doppler effect). Geoceiver AN PRC 14 equipment and Airbourne Profile Recorder (WREMAPS 2)
1977 <i>FF</i> <i>PJ</i> <i>TA</i>	2 Fd Svy Sqn	Operation Cenderawasih 2 – (77)	May to Oct	Indonesia: Irian Jaya (now West Papua) – Main base Biak	Survey control – Hor-Geoceiver, Ver APR, air photography and high altitude air photigraphy flown by RAAF	OC Maj Don Swiney, Ops Offr Capt Don Maskew, SSgts John Scharber (GC pty), Butch Winterflood (from Canberra to oversee high alt photog), Greg Chambers (GC pty); Sgts Alan Derby (GC pty), Peter Jensen (GC	Included use of low earth orbiting satellite receiver (US Navy Transit System based on Doppler effect).

						pty), Kev O'Halloran (GC pty); Cpls Danny Galbraith, Frank Fisher; Tim Allanson (Ops room' records)Neville (Ned) Kelly (GC pty), Doug Gay (APR op), Rusty Williams (GC pty) Sprs Nev Kelly, Jamie Lyle (GC pty), Bruce (Happy) Hammond (camera operator), Paul Leskovic (GC pty) Paul Trent (GC Pty), Billy Choy (GC pty) .	Op was marred by crash of Iroquois helicopter with the death of its pilot, <i>(reported by Tim Allanson)</i>
1978 NS FF	2 Fd Svy Sqn	Operation Cenderawasih 3	3 months	Indonesia: Irian Jaya (now West Papua) – based at Biak	Survey control – geodetic & mapping: Geceiver, Air Profile Recorder (APR) and air photography flown by RAAF	OC Maj Don Swiney, 2IC Capt Pat Lilley, Cpls Frank Fisher, Peter Jensen, Ken Talbut-Smith Wg Cdr Beck, CO 2 Sqn	Queen Air (civ) aircraft for APR unit. Wg Cdr Gary Beck later AVM and now in charge Australian War graves.
1979 NS TA	2 Fd Svy Sqn	Operation Pattimura 79	4 months	Indonesia: North Sulawesi – Main base at Manado,	Hor con by Geceiver Ver con by APR Air photograpy flown by RAAF	OC Maj Stan Campbell, Ops Offr Capt Peter Raue; Sgts Kev O'Halloran (GC Pty), Doug Gay (APR Op) Cpls Tim Allanson (Ops Room, records), Steve Gloster (Camera Op), Cam Chapman (GC pty) Brian (Wild Bill) Cosford (GC pty) Sprs Paul Leskovic (GC pty), Paul Trent (GC pty), Mark Westbrook (GC pty), Bruce Bowers (GC pty), Billy Choy (GC pty), Bret Throssell (GC Pty), Wally Chilcott (GC pty), John Ratcliffe (GC pty) Steve Hinic.	
1979 PJ	2 Fd Svy Sqn		5 weeks	NSW – Collerenabri - Moree	Svy control by geceiver	OIC Lt Col Laybutt, Lt Dick Ellis	A cooperative task with Central Mapping Authority of NSW
1979 PJ	2 Fd Svy Sqn	OP Spearline	18 Apr – 21 June	Fiji	Hor con by Geceiver. Photography of 18 remote points to assist with definition of baselinesfor the	OC Capt Kym Weston	

					proposed 200 nautical mile Exclusive Economic Zone.		
1980 <i>PJ</i>	2 Fd Svy Sqn	OP Pattimura	Apr - Jul	Indonesia: Central Maluka	Estb control by Geociever (82 stations)	OC Maj Stan Campbell	
1980 <i>NS PJ</i>	2 Fd Svy Sqn	Operation Pattimura 80	4 months Jul - Oct	Indonesia: Central Maluka – Main base at Ambon	Hor con by Geociever Air photograpy flown by RAAF	OC Maj Stan Campbell	
1980 <i>PJ</i>	2 Fd Svy Sqn	OP Black Stump		Western NSW	Estb control by Geociever for CMA of NSW		Op extended from Qld/SA border, Se past Broken Hill
1980/81	2 Fd Svy Sqn	Operation Cenderawasih	Oct '80 – Mar '81	Indonesia – Irian Jaya	Ver con by APR	OC Phase 1 – Capt John Greggs OC Phase 2 – Lt Steve Cooper	
1981 <i>NS</i>	2 Fd Svy Sqn	Operaton Pattimura 81	4 months	Indonesia Southern Mollucu to Australian border	Hor con by Geociever (40 sta) Air photograpy flown by RAAF	OC Maj Stan Campbell LtCol Noel Sproles was involved in recon and initial logistics planning Completed Op Pattimura	
1982							
1983							
1984 <i>PJ</i>	2 Fd Svy Sqn	OP Anon	18 Jun – 30 Oct	SW Pacific – Tuvalu, Kiribati, Banaba, Nauru, Tonga.	Estb fd con of 35 sta by MX 1502 Doppler Satellite receiver and photo ident of 91 sta	OC Capt Peter Blaskett	Survey to assist with definition of the xclusive Economic Zone
1984 <i>PJ</i>	2 Fd Svy Sqn	OP Nusa Barat	2 Jun – 2 Aug	Indonesia Islands east of Java	Estb svy con by by MX 1502 Doppler Satellite Receivers	OC Maj Harry hansen	
1985 <i>PJ</i>	2 Fd Svy Sqn	OP Anon	20 Jun – 12 Sep	SW Pacific - Kiribati	OC Phase 1 Line Islands – Maj Simon Lemon OC Phase 2 Phoenix Islands – Capt Peter Blaskett		
1986							
1987							
1988							
1989 <i>BL</i>	2Fd Svy	Op Kumul		PNG – Irian Jaya border region	Horizontal and vertical control for 1:50,000 mapping. Area of operation extended from north coast to south coast and from the	OC:Capt Dave Sankey., Sgt Bruce Gordon, Cpl Wolfgang Thun. From Army Svy Regt WO1 Barry Lutwyche on Flight line and control planning.	

					border to 1 degree of Long on PNG side.		
1990							
1991							
1992 <i>FL</i>	RA Svy Aerial Photo Team (RAPT)	Belama (/)	13 weeks	Solomon Islands based at Honiara	Aerial photography Solomon Islands and Vanuatu	Neil Kelly, Tex Morton, Frank Lenane, Steve Gloster, Noel Brinsmead, others Pilots: Keith Megs, Mike Juelg	
1993 <i>FL</i>	RA Svy Aerial Photo Team (RAPT)	Kamul (?)	13 weeks	PNG (Madang)	Aerial Photography	Neil Kelly, Tex Moreton, Frank Lenane, Steve Gloster, Noel Brinsmead. Plots: Keith Megs, Mike Juelg	Possibly the last overseas operation undertaken by RA Svy
1994							
1995							
1996							