

What We Did – Svy Units based in QUEENSLAND

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YEAR	UNIT	OPERATION/ PROJECT	DURATION	LOCATION	NATURE OF WORK UNDERTAKEN	PERSONS TAKING PART	OTHER INFORMATION
1946							
1947							
1948							
1949							
1950							
1951							
1952							
1953 PL	N Comd Fd Svy Sect OC Maj JK Herridge	Tamborine 1:63,360 mapping	Jan-	Beaudesert area and Gold Coast hinterland – camped at Coopers Plains, Logan	–barometer heighting, annotation and compilation, contouring	, WO1 Bill Davidson, Cpl Percy Long, Frank Barbaro, Garney Cook(MT), Jim Renneker, Chris Lancaster.	Lt Jim Stedman posted out. Also in unit – Lt Arthur Tarrant, WO1 Bill (Flatty) Davidson, WO1 Norm Quirk, Sgt Kev Walsh Cpls Laurie Arnold, Frank Barbaros, Chris Lancaster, Spr Col Pugh, John Davidson, (6 Apr - 1 RAR rtu ex- Korea).
1953 PL	do		June	Brisbane	Marking out parade ground Victoria Pk	Cpl Percy Long	
1953 PL	do	Ipswich 4 mile(1:63,360 mapping)	23 June	Based at Toowoomba, Crows Nest, Cambooya	– barometer heighting, annotation, Sun obs	WO2 Blue Hunter, Sgts Snow Rollston Percy Long,	8 Jul – Perc Long prom T/Sgt Sam Watson discharge
1953 PL			23 Sep - Dec		Samford 1:63,360 – control by traversing, resections	WO1 Bill Davidson. Sgts Chris Lancaster, Kev Walsh, Percy Long	Fixed beacon on The Summit
1954	N Comd Fd Svy Sect OC Maj JK Herridge						
1955 PL	N Comd Fd Svy Sect OC Maj JK Herridge	Gympie 4 Mile (1:63,360 mapping)	Jan - Sep		– plane tabling, annotation		Maj JK Herridge OC WO1 Jim Long

1955 <i>PL</i>	do		March		Spring Mountain 1 Mile, Canungra & Cainbale 1:25,000 – spot heights, annotation		26 Jul – PH reports NG Svy Unit back
1955 <i>PL</i>	N Comd Fd Svy Sect OC Maj JK Herridge	Dotswood 1:63,360	26 Sep - Dec	Camped at Dotswood Station then Macrossan	Baro heighting, plane table and resection heighting, 4 th order trig	OC Capt Ed Anderson, Sgt P Long, Cpls Col Pugh, Lawrie Arnold, Paul Billings, John Davison,	Moved to Macrossan COD 5 Oct Rerc Long, Bill Davidson, paid their own air fares to be home for Xmas
1956 <i>BS</i> <i>PL</i>	N Comd Fd Svy Sect OC Maj JK Herridge	No name	On-going from Jan	Base camp initially at Macrossan moved to Charters Towers drill hall in June then to Ravenswood where it remained for 12 mths.	Control for 1" to 1 mile mapping - Baseline measurement, 4th order triangulation, intersection, resection, (plane table) baro heighting	OC Capt EU (Ed) Anderson, WO2 Blue Hunter, Sgts Snow Rollston, Jeff Lambert, Percy Long, Garney Cook (MT), Cpls Ted Miller, Geoff Helsham, John Davison, Sprs Sam Chambers, Brian Berkery, Bob Skitch, Bob Beckett.	Section had not returned to Brisbane since sometime in 1955. Xmas in the field. Big wet had cut road to Charters Towers in Jan. Sgt Percy Long rtu Bris for planning for 4 mile prog – Tangorin, Hughenden, Muttaborra, Longreach
1957 <i>PL</i> <i>EUA</i>	N Comd Fd Svy Sect OC Maj JK Herridge		2 months – May-July	Western Queensland – based at Boulia	Planimetric control for 1:253,440 mapping – Astro Pos Lines hor con for slotted Template assy, ver con barometric heighting	OIC Capt Ed Anderson	K17 photography. First time radio com for mobile ground sta and rear link
1957 <i>PL</i>	N Comd Fd Svy Sect OC Maj Jake Herridge			Emerald to Charters Towers	Recce and station marking of triangulation chain (not observed).		
1958 <i>PL</i>	N Comd Fd Svy Sect OC Maj Spencer Snow		May-November	North Queensland – base at Georgetown, Coen	Astro control for 1:250,000 (R502) series. Richmond, Hughendon, Julia creek, Ebagoola, Coen, Walsh River, Georgetown, Hann River, Red River. Barometric heighting, annotation	OIC Capt Ed Anderson, WO2s Kevin Walsh, Snow Rollston, Sgts Percy Long, Garney Cook, Col Pugh	GMC trucks still in use. Chartered helicopters used for access and barometric heighting, (Helicopter Utilities)
1958 <i>PL</i>	N Comd Fd Svy Sect OC Maj	Jondaryan – Charters Towers 1 st		Queensland	1st order EDM through existing triangulation stations (not all observed)		

	Jake Herridge	order EDM traverse					
1959 <i>PL</i>	N Comd Fd Svy Sect OC Maj Spencer Snow	Charters Towers – Cooktown 1 st order EDM traverse	May-Sep	Queensland – base camps at Cardwell, Innisfail, Tully, Gordonvale, Mt Molloy	1st order EDM traverse and Laplace astro Station recovery (old trig), clearing and marking, angle obs and EDM	OC Maj Spencer Snow, Capt Bill Child (OIC), Sgt Long	Slotted template assemblies of 1:250,000 areas. Multiplex bridging and plotting of coastal areas
1960 <i>PL</i>	N Comd Fd Svy Sect OC - Maj Spencer Snow	Cape York 1 st order EDM traverse	Apr-Nov	Queensland – bases at Cooktown, Coen	1st order EDM traverse and Laplace astro Station recovery (old trig), clearing and marking, angle obs and EDM	OC Maj Spencer Snow, Lt Peter Constantine, Capt Bill Child (OIC), WO2 Kev Walsh, Sgts Long, Chambers, Garney Cook (Tpt), Geoff Helsham, Cpls Berkery Sprs Ross Mcmillan, Eastmead, Moulds, Ingham, Peter Spierings, Charlie Kovacs.	Many weeks spent on Mt Piebald (a Laplace sta) getting obs due to persistent cloud. Very difficult access and heavy work.
1960 <i>PL</i>	do	Cape York 1:250,000 mapping	Apr-Nov	do	4 th order astro control	As above	1:250,000 map sheets Jardine River, Orford bay, Cape Melville, Coen, Cape Weymouth
1961 <i>PH</i>	N Comd Fd Svy Sect OC - Maj Spencer Snow	Cape York 1 st order EDM traverse	May-Jun	Queensland – bases at Mt Melloy, Cooktown	1st order EDM traverse through existing triangulation and Laplace astro Station recovery (old trig), clearing and marking, angle obs and EDM.	OC Maj Spencer Snow, Capt Peter Constantine, Capt Bill Child, WO1 Kevin Walsh Sgt Long, Cpl Lalor, Sprs Bob McKenna, Grant Small, Sam Watson.	Major refitment of all stores undertaken; special tentage, bed-roll covers
1961 <i>PL</i>	do	Gulf Hinterland 1:250,000 (R502) mapping	Jun-Aug	Queensland – bases at Normanton, Gamboola	4 th order astro control and barometer heighting, photo annotation	OC Maj Spencer Snow, Capt Peter Constantine, WO1 Kevin Walsh, Sgts Percy Long, Garney Cook (MT) Cpls Blue Lalor, Sprs Nobby Clark, Sam Watson Grant Small.	Normanton, Croyden, Donors Hill, Westmoreland, Burketown, Dobbyn, Millungera, Galbraith, Rutland Plains, Ebagoola
1962 <i>BS</i>	N Comd Fd Svy Unit OC - Maj Spencer Snow	Training Exercise	23-30 March	Brisbane – Redcliffe water tower to Razerback on Qld/NSW border	2 nd order EDM traverse through exist triangulation	Lt OIC Bob Skitch WO2 Percy Long, Sgt Sam Chambers, Cpl Tony Longstaff, Sprs Tony Jones, Grant Small, Peter Spierings, Paddy Strunks - others	This was part of 2 week training exercise from 5 - 31 March that included EDM theory, astro for position and azimuth with lectures at Enoggera

1962 BS PL	N Comd Fd Svy Unit	No name.	4 months May to Sept	Nth Qld – base at Macrossan COD	EDM 3 rd order traverse control. Barometric heighting (by h'copter), annotation of Townsville, Ingham, Charters Towers, Ayr 1:250,000 areas maps	Maj OCS Spencer Snow until 7 Aug, followed by Lt Bob Skitch as OIC. Lt Constantine 2IC initially, WO2s Jim Booton, Percy Long, Sgts Sam Chambers Garney Cook (MT), Cpls Charlie Kovacs, Peter Spiering, Grant Small, Paddy Strunks, Tony Jones, Ross McMillan, Sprs Harry Smith, Brian Wilson, Sam Watson Army Avn: Lt Gordon Lilley, Lt Dave Millie, Capt Tony Hammett (RW)	Earlier line-proving recon carried out in It acft by Maj Snow and Lt Skitch (pilot Lt Gordon Lilley) Also with Sect was Dr Brian Barlow, botanist from Qld Uni. (had been on previous ops with Sect)
1962 PL	N Comd Fd Svy Unit Maj Snow relinquished comd in Nov.	Gulf Hinterland 1:250,000 (R502) mapping	Sep-Nov	Queensland – bases at Macrossan, Nosnillor Sta, Cranbourne, Victoria Downs North, Yarrowmere, Bullawalla	Annotation and barometric heighting by air – Buchanan, Charters Towers,	WO2 Percy Long, Sgt Garney Cook (MT), Cpls Kovacs, Strunks, Lamge, Moules,	Pilots: Lt Mike Webster, Capt Hansen,
1963 BS NS	N Comd Fd Svy Unit. OC Maj Jim Stedman	No formal name:	3 months May - August	Qld & NSW between Toowoomba and Tamworth	Gowrie Mtn to Gulf Creek Recon & station recovery and Tellurometer measurement through the existing trig chain	OIC Lt Bob Skitch; 2/Lt Noel Sproles, Sgts Charlie Kovacs, Sam Chambers, Garney Cook (MT) Cpl Ross McMillan, Sprs Grant Small;, Sam Watson, 2Lt Paul Clough (Army pilot)	Reconnaissance, station recovery and marking undertaken separately from the tellurometer measurement. Calibration of tellurometers undertaken by RAEME was in error requiring all distances to be re-measured later in the year.
1963 NS	N Comd Fd Svy Unit	No formal name	3 months latter part of year	Cape York, based in Cooktown and Mareeba and Ingham	Helicopter barometric heighting and panelling for 1:250,000 mapping in Cape York. Connection of HIRAN station to coastal first order chain near Ingham	OIC Lt Noel Sproles, WO1 Kevin Walsh, , Sgts Sam Chambers, Garney Cook (MT) Cpls Ross McMillan, Tony Jones Sprs Grant Small, Pat Strunks, Harry Smith, Capt David Chinn (RW pilot), Lt	Further comment – see N Sproles

						Bob Smith (FW pilot)	
1963 NS	N Comd Fd Svy Unit	No formal name	1 month	Tin Can Bay based at Gympie	Field checking for 1:50 000 mapping of Tin Can Bay training area	OIC 2Lt Noel Sproles, Sgt Garney Cook (MT)	Notable event at Tin Can Bay was the deployment of Centurion tanks, for the first time away from Puckapunyal. One tank bogged in the 'wallum' and had to be excavated months later when the soil drained.
1963 PL	N Comd Fd Svy Unit mbrs det to HQ TPNG Comd	TPNG	18 Nov – 20 Dec	South of Vanimo	Navigation control, plot patrol course; gather topo data; obtain baro heights	Lt GA Gee Patrol Commander; WO2 Percy Long,	Patrol comprised 23 members of B Coy 1 PIR
1964 BS NS	N Comd Fd Svy Unit	No Project name. EDM traverse Bourke to Charleville; 1:250,000 map control from St George.	6 months	Qld. Base camps at Charleville for traversing and St George for map control and annotation	EDM traverse (part of geodetic survey of Australia) from Bourke to Charleville. Laplace astro for traverse control. 1:250,000 mapping of St George, Surat and Roma. Control by 4 th order astro fixes and cadastral identifications with connections to photo control points	Maj Jim Stedman OC at Charleville then Lt Bob Skitch at St George. Lt Noel Sproles, WO1 Kevin Walsh (F24 photog) Sgts Garney Cook (MT), Ross McMillan, Sam Chambers, Cpls Grant Small, Pat Strunks, Charlie Kovacs, Bob Mason; Sprs Harry Smith, Sam Watson. Lt Don Martin (RW pilot), att: 3 RAE sappers Laplace team: Lt Bob Skitch, Cpls Grant Small, Charlie Kovacs, Sig ??	Bilby towers used on traverse.
1964 NS	N Comd Fd Svy Unit	No formal name	3 months	Shoalwater Bay based at Yaamba	Theodolite and tellurometer traversing through existing Navy 3 rd order trig chain to upgrade for 1:50 000 mapping.	OIC Lt Noel Sproles, Sgts Ross McMillan, Garney Cook (MT), Cpls Pat Strunks, Grant Small, Bob Mason, Spr Harry Smith, Cfn Lowry (RAEME,	Task undertaken immediately following the acquisition of land at Shoalwater Bay to become the Shoalwater Bay Training Area. Subsequent compilation using stereo templates undertaken in 1Fd Svy Unit led to the full

							production of the 1:100,000 Shoalwater Bay Special printed as a single map sheet and released in early 1965.
1964 NS	N Comd Fd Svy Unit	No name	1 month	Jungle Training Centre Canungra	Recovering and panelling survey stations Canungra region	OIC Lt Noel Sproles and Cpl Ross McMillan	
1964 PL	do		August	Cairns	Rifle range survey	WO2 Percy Long, Spr Grant Small	One of many rifle range safety surveys carried out at that time.
1964	do		Mid year	Enoggera	Rifle range survey	Capt Bob Skitch & others	This detailed survey of the traditional Enoggera Rifle Range (once 'School of Musketry' in colonial times) and Enoggera Hill beyond led to its closure. Rounds fired on the range were sailing over Enoggera Hill and shattering roof tiles of homes in the Gap suburb.
1964 PL	do		Sep – Oct	Torres Strait	Hydrographic survey 3 rd order EDM traverse and connections through Islands	WO2 Percy Long, Spr Grant Small	Sgt Long joined HMAS Moresby 5 Sep
1964	N Comd Fd Svy Unit	No formal name	3 months Apr-Jun	Shoalwater Bay based at Yaamba	Theodolite and tellurometer traversing through existing Navy 3 rd order trig chain to upgrade for 1:50 000 mapping.	OIC Lt Noel Sproles, Sgts Ross McMillan, Garney Cook (MT) Cpl Pat Strunks, Grant Small Sprs Bob Mason, Harry Smith Cfn Lowry (RAEME).	Task undertaken immediately following the acquisition of land at Shoalwater Bay to become the Shoalwater Bay Training Area. Subsequent compilation using stereo templates undertaken in 1Fd Svy Unit led to the full production of the 1:100,000 Shoalwater Bay Special printed as a single map sheet and

							released in early 1965.
1966							
1967							
1968							
1969 <i>EUA</i> <i>PJ</i> <i>PL</i>	I Fd Svy Sqn (Det)	Control for 1:100,000 mapping	6 Months- Jul-Nov	TP&NG; base at Goroka	Airbourne Svy Ops – Aerodist, APR, EDM (MRA2) traversing, Barometric heighting for 1:100,000 mapping	Maj OC Ed Anderson, Capt Malachy Hayes, Lt Whitburn, WO1 Percy Long, WO2 Noel Ticehurst, Sgts Bruce Cockburn, Garney Cook, Willis Cpls Bond, Johnson, Charlie Kovacs, Sigs Noroen, Byrne, Sprs Kennedy, Stephen, Bancroft, Moodie, McConchie Zapulla, Hayes Van Jeuken, O’Ryan, Kunble, Cfn King, LCpls Hunter, Jamie	In Support – Caribou, Pilatus Porter
1970 <i>EUA</i> <i>PJ</i>	I Fd Svy Sqn (Det)		6 Months	TP&NG	Airbourne Svy Ops – Aerodist, APR, EDM (MRA2) traversing, Barometric heighting for 1:100,000 mapping	OC Maj Ed Anderson	
1970	1 Fd Svy Sqn			Qld – NE of Roma	Annotation of mapping photography	Sgts Mick Dewis, Bill Plint, Jim Clarke; Sprs Bob Mason, Alan Kavanagh, Peter Jensen.	For compilation of 4x 1:250,000 JOGs – part of the F111 training area
1971							
1972 <i>CW</i>	1 Fd Svy Sqn	A6	4 Apr – 2 Aug	Main Base: Normanton airpt; Fwd aerodist bases Gregory Dns & Croydon	(1) Con svys of 12/1:250,000 maps in Gulf. Hor con aerodist; Ver con altimetry (2) Con for 13/1:100,000 maps in Torres Strait	Capt OIC CW (Charlie) Watson, Lt Dan McCluskey, 2Lt Maley (admin) 2Lt G Hodgson, WO2 Bill Harvey, b Jim Clarke Sgts Fraser, Garney Cook (MT), Jock Kay, Derek Chambers, Det Str 10 offr, 60 OR 183 Recce Flt , 1 Avn Regt: Capt Bob Smith	Queen Air chartered from Union Air. Stores and equip transported to Normanton by RAASC. Main body and stores RTU Bris by C130. Acft incident occurred when Sioux RW engine overheated and forced down between Normanton and Burketon.
1973 <i>CW</i>	1 Fd Svy Sqn	A1	1 May – 16 Jun	Torres Strait – LCH Balikpapan	Estb con for 13 x 1:1000,000 maps. Recce and sta marking 45 existing sta; 10	Lt JW (John) Winzar (OIC). Det str 5	Project carried out in conjunction with main project A2

					new sta. 45 Sta panelled for air photog; 29 photographed		
1973 CW	1 Fd Svy Sqn	A2	16 Apr – 18 Jul	Cape York Peninsula – main base Cooktown Airpt. Fwd aerodist bases at Dunbar and Croydon	Con svy for aerotrig of 10 x 1:250,000 map areas for 1:1000,000 mapping. Hor con by aerodist, ver con by altimetry 18 Fd Sqn, 3 Fd Engr Regt (OC Capt Alan White) was tasked to construct the base camp at Cooktown.	Maj OC KS (Keith) Todd, Capt Charlie Watson, Lt AJ (Andy) Strachan, 2Lt EP (Peter) Ralston, WO2s Bill Harvey, Ian Hutchins, SSgt Pat Cox(QMS), Sgts LE Bond (CC), Garney Cook (Tpt), Jock Kay, Derek Chambers, Ray Lawson. Att from 1 Avn Regt; Lt Humphreys(Admin), WO2 Mitchell (SSM) 163 Recce Flt, 1 Avn Regt. OC Capt Adam Fritsch. RAAF Caribou. Queen Air chartered from Union Air - Toowoomba.	Stores were transported from Brisbane to Cooktown by RAASC Line Haul semi trailers based in Sydney. The main body and unit vehicles moved from Brisbane to Cairns by railway and then by road to Cooktown. Heavy stores were moved by LCH BALIKPAPAN.
1974 BS	1 Fd Svy Sqn		Aug - Nov		Fd completion in N Qld and Schoalwater Bay. Con svy in Wide Bay	Capt AJ (Andy) Strachan, Capt John Winzar	

1975 BS	I Fd Svy Sqn; I Fd Svy Sqn Gp	Op Sandy Hill	Apr - Sep	Base Camp at Cooktown, Fwd Bases at Horn Is, Weipa, Coen, Croydon, Mornington Is	Con for 1:100,000 mapping of 10 x 1:250,000 areas. Hor con by aerodist. Ver con by APR and altimetry	<p>Maj OC RF (Bob) Skitch, Capt AJ (Andy) Strachan (2IC), Lt PD (Paul) Pearson (OIC aerodist), Lt EP (Peter) Ralston (OIC Sta clearing & marking), WO1 W Mc (Bill) Harvey, WO1 HH (Hans) Kramer, WO2 Noel Clutterbuck (QMS), Sgts Bill Meech, Ray Lawson, G Stevenson, John (Jock) Kay, PJ Farry, Greg Chambers (2 Sqn Aerodist master op) Cpls J Knips, Peter Blaskett (from Svy Regt), RG Anderson, AH Strain, Dennis Marshall, WB (Bill) Baker, Ian Griggs, Don Rooke, Phil Bray, Bruce Gordon (Master Aerodist op), AR Hawkins, DA Gay (2Sqn), LCpls Ted Van Ginnekin, JW Sullivan, Sprs DL Lawler, Brian Collings, Rick Downie, Colin (Harry) Hargreaves, RM Bowles, Ptes CA Wooton, DJ Neagle (Ord Rm)</p> <p>(36 RA Svy pers)</p> <p>1 Avn Regt 18 offr, 60 OR; 162 Recce Sqn 11 offr, 49 OR, RAAF 8 offr, 11 OR; Civ Avn 2; Gen att (non Svy) 1 offr, 55 OR.</p> <p>Note att pers served for short periods of 1 or 2 months) Av str at any one time 120 all ranks.</p>	Comprehensive report of Sandy Hill held.
1976							
1977							
1978							

1979							
1980							
1981							
1982							
1983 TA	1 Fd Svy Sqn	Op A'right	Mid year	Base Camp at Normanton	Control for 1:50,000 mapping by Doppler satellite obs	OC Maj Daryl Hocking, WO1 Alex Cairney (Ops Offr SSM) WO2 Don Musgrave, SSgt Cam Chapman (GC pty), Sprs Paul Cheater (GC pty) Alan Unkle (A Res)	
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