

APPENDIX B

Reference and voucher specimen numbers for *Frankenia* sites visited by the author. Vouchers are lodged in the School of Biological Sciences, Flinders University, South Australia.

GPS co-ordinates, general site descriptions, and other relevant information are summarized. GPS co-ordinates are given in degrees, minutes and seconds.

Mean seed weights (with standard errors) per population are listed. **PLEASE NOTE** that mass is given in μ grams.

‘NR’ indicates that data was not recorded.

States of Australia are prefixed as follows; ‘SA’ South Australia, ‘WA’ Western Australia, ‘NT’ Northern Territory, ‘NSW’ New South Wales, and ‘Vic’ Victoria.

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia ambita</i>					
LE01040	Anna Plains, WA	S19°22'01" E121°32'06"	saline	Between Anna Plains turnoff & Sandfire R/H.	272 \pm 5
<i>Frankenia cinerea</i>					
LE01984	WA	NR			82 \pm 3
LE03006a	Widgemooltha, WA	S31°29'29" E121°35'51"	pink swales, salt lake, clay pan		75 \pm 5
LE03022	Lake Austin, WA	S27°34'50" E117°53'60"	red clayey sand	Lake between Mt Magnet & Cue	NR
LE03037a	Shark Bay, WA	S26°01'18" E113°35'07"	soft orange sand ridges around salt pan	13km E of Denham	61 \pm 2
LE03038a	Shark Bay, WA	S26°10'10" E113°40'55"	yellow orange clayey sand	Road to Denham from Overland Corner	NR
LE03057	Lake King, WA	S35°05'24" E119°36'37"	very saline		95 \pm 3
LE03062	Scadden, WA	S33°24'32" E121°42'15"	salt crust over claypan	Huge mat around edge of salt pan	115 \pm 2
<i>Frankenia cf. cinerea</i>					
LE02014	Hattah, Vic	S34°44'27" E142°09'50"	gypseous salt pan	11km W of Hattah PO, gypsum mine	117 \pm 4
<i>Frankenia confusa</i>					
LE03041	Pt Gregory, WA	S28°11'40" E114°17'08"	grey sandy loam	Roadside near a salt lake, much grass	67 \pm 2
<i>Frankenia connata</i>					
LE01025	Roxby Downs, SA	S30°02'55" E137°04'34"		60km from Roxby Downs on Borefield Track	571 \pm 19
LE01032b	Oodnadatta Track, SA	S30°14'31" E138°20'45"		Ochre Cliffs turn-off, near Marree	614 \pm 30
LE03073	Andamooka, SA	S30°29'06" E137°02'04"	red/orange sand, ironstone shale	Andamooka road 20km from Roxby Downs turnoff	784 \pm 27
LE07002	Roxby Downs, SA	S30°02'55" E137°04'34"	water course	60km N of Roxby Downs on Borefield Track	NR
<i>Frankenia cordata</i>					
LE05006	Ormiston Gorge, NT	S23°40'45" E132°42'42"	pink/orange clayey sand, clay pan, scree	Edge of clay pan with stoney scree.	391 \pm 18
LE05007a	Rainbow Valley, NT	S24°19'57" E133°37'53"	pink/orange clay pan	At base of cliffs around clay pan	295 \pm 16
LE05011	Curtin Springs, NT	S25°21'01" E131°50'47"	red sand	Water course/flood out on side of road	375 \pm 9
<i>Frankenia crispata</i>					
LE02015	Hattah, Vic	S34°43'53" E142°06'33"	saline, salt lake	16.5km W of Hattah PO	527 \pm 13
<i>Frankenia desertorum</i>					
LE03008	Coolgardie, WA	S30°58'19" E121°02'33"	dry creek bed	W of Coolgardie	NR
LE03025	Lake Austin, WA	S27°39'51" E117°52'11"	white saline sand		140 \pm 3
LE03048	Hines Hill, WA	S31°32'30" E118°03'40"	salt lake edge		298 \pm 7
LE03051a	Lake Julia, WA	S31°01'10" E119°38'02"	edge of salt lake		180 \pm 10
LE03054a	Warralakin, WA	S31°00'29" E118°45'18"	clay pan	Lake Baladjie – Bullfinch/Mukinbudin Rd.	NR
LE03054b	Warralakin, WA	S31°00'40" E118°42'34"	clay pan	As above	NR
<i>Frankenia eremophila</i>					
LE01006	Cactus Beach, SA	S32°04'49" E132°59'31"	sand dunes		449 \pm 9
LE03001c	Head of Bight, SA	S31°28'28" E131°05'41"	limestone cliff top	Road to observation area	NR
LE03069	Cactus Beach, SA	S32°04'49" E132°59'31"	white saline sand dune		396 \pm 9
<i>Frankenia fecunda</i>					
LE03013a	Malcolm–Leonora, WA	S29°01'59" E121°29'13"	red clayey sand	Kookynie-Malcom Road near Malcolm	52 \pm 2
LE03018	Lake Miranda, WA	S27°41'58" E120°32'32"	orange sandy clay	47km N of Leinster to Wiluna	48 \pm 2

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia fecunda</i> (cont.)					
LE03019	Lake Way, WA	S26°44'44" E120°13'44"	claypan, ironstone, laterite	17km S of Wiluna	91 \pm 3
LE03023	Lake Austin, WA	S27°35'15" E117°53'55"	red clayey sand, salt pan	Between Cue & Mt Magnet	82 \pm 2
LE03024	Lake Austin, WA	S27°36'07" E117°53'31"	white, gypseous, saline crust	Sandy rise on edge of salt lake	72 \pm 3
<i>Frankenia foliosa</i>					
LE01004	Oodnadatta Track, SA	S29°30'05" E137°24'29"	saline white gypseous sand	Dead Boy Springs (Finnis Springs)	115 \pm 4
LE01005	Oodnadatta Track, SA	NR			72 \pm 1
LE01009	Oodnadatta Track, SA	S30°18'44" E136°56'02"		28km W of Marree	NR
LE01013	Oodnadatta Track, SA	S29°36'05" E137°24'29"	saline, green clayey bog		NR
LE01014	Oodnadatta Track, SA	S29°39'34" E137°40'19"		40km W of Marree	NR
LE01015	Strzelecki Track, SA	S29°33'15" E139°25'16"			NR
LE01019	Strzelecki Track, SA	S30°11'54" E138°38'31"		28km N of Lyndhurst	NR
LE01020	Oodnadatta Track, SA	S29°30'05" E137°24'29"	clay	West Finnis Springs mound springs	NR
LE01028	Oodnadatta Track, SA	S29°30'05" E137°24'29"	white sand, travertine, highly saline, green	Dead Boy Springs (Finnis Springs)	NR
LE01037	Birdsville Track, SA	S29°20'13" E139°19'32"	pale cream sandy loam, ironstone & sandstone gravel	44km N of Marree	81 \pm 4
LE02004	Birdsville Track, SA	NR			NR
LE02006	Oodnadatta Track, SA	S29°27'17" E136°51'25"	saline white gypseous sand	Blanche Cup, dominant around mound springs	NR
LE03078	Oodnadatta Track, SA	S27°28'36" E135°23'35"	clayey saline limestone ridge	On sand dunes, 10km N of Oodnadatta	63 \pm 4
LE04001	Strzelecki Track, SA	S29°33'27" E139°25'08"	orange clay sand, clay crust, limestone pellets	Roadside verges, water run-offs	43 \pm 1
LE05003	Birdsville Track, SA	S29°20'15" E138°19'24"	white to orange clayey sand, limestone conglomerate	Roadside verges	58 \pm 1
LE05004	Oodnadatta Track, SA	S29°22'15" E136°46'39"	pink/orange clayey sand, salt pan	Coward Springs, 70km S of William Creek	NR
LE05012	Oodnadatta Track, SA	S30°15'01" E138°20'39"		W of Lyndhurst	NR
LE05013	Oodnadatta Track, SA	S30°05'24" E138°17'07"	gypseous	W of Lyndhurst	89 \pm 2
LE05014b	Oodnadatta Track, SA	S29°59'37" E138°16'27"	pink/orange clayey sand	W of Lyndhurst	NR
LE05015	Oodnadatta Track, SA	S29°15'60" E136°40'38"		Beresford Bore	NR
LE05016	Oodnadatta Track, SA	S29°05'28" E136°32'04"	pink/orange clay; gypsum	Kewston Hill mound springs	NR
LE05017	Oodnadatta Track, SA	S28°42'30" E135°58'39"	white/orange clayey sand, ironstone conglomerate	Old Woman Creek, S of Oodnadatta	NR
LE05018	Oodnadatta Track, SA	S27°54'59" E135°48'50"	gypseous sand; pebble, ironstone scree	S of Neale Creek ford; base of hills.	NR
LE05019	Oodnadatta Track, SA	S27°47'19" E135°41'12"	braided creek	35km S of Oodnadatta	NR
LE05020	Oodnadatta Track, SA	S29°39'24" E137°40'19"	pink/orange clayey sand	40km W of Marree.	NR
LE05021b	Oodnadatta Track, SA	S29°38'51" E137°38'17"			NR
<i>Frankenia glomerata</i>					
LE01042	Little Sandy Desert, WA	S25°02'20" E120°43'29"	saline, red loam over gypsum	S side of Lake Kerrylyn.	NR
LE03040	Kalbarri, WA	S27°45'23" E114°08'21"	coastal cliffs, shingle slopes	Mushroom Rock NP.	832 \pm 28
LE03045a	Mortlock East River, WA	S31°39'09" E116°59'23"	very compact white sandy clay, laterite	River bank, plants in white sand	935 \pm 32
<i>Frankenia gracilis</i>					
LE01002	Roxby Downs, SA	S30°03'28' E137°04'11"		Borefield Track	358 \pm 7

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia gracilis</i> (cont.)					
LE01012	Roxby Downs, SA	S30°03'28" E137°04'11"	red clayey sand	Borefield Track, 5.5km N of LE01011	NR
LE01026	Roxby Downs, SA	S30°03'28" E137°04'11"	red clayey sand	91km from Roxby Downs, Borefield Track	578 \pm 20
LE01027	Roxby Downs, SA	S29°42'32" E137°15'59"	red clayey sand, gibber	120km from Roxby Downs, Borefield Track	381 \pm 9
LE01031	Oodnadatta Track, SA	NR	red clayey sand	15km N of Lyndhurst	382 \pm 12
LE01033	Beltana, SA	NR	red clayey sand, ironstone conglomerate	By railway xing on track to old Beltana	454 \pm 19
LE01034a	Parachilna, SA	NR		In watercourse 1km S of Beltana	NR
LE01039	Birdsville Track, SA	S29°01'09" E138°27'28"	stony brown loam	Dulkaninna Creek	454 \pm 19
LE02003	Birdsville Track, SA	S27°57'30" E138°39'36"	gypsum, pale, ironstone conglomerate	3km of N of Kalamanna H/S	NR
LE02005	Birdsville Track, SA	S29°01'09" E138°27'28"	sandy rise	Dulkaninna Creek.	NR
LE03071	Lake Torrens, SA	S31°37'32" E137°36'07"	red sand, ironstone conglomerate, gypsum	1km W of South Gap H/S, near Gypsum Dam	705 \pm 55
LE03072	Lake Torrens, SA	S31°27'07" E137°24'59"	red sand, ironstone conglomerate	Pernatty Station; dry creek bed.	464 \pm 80
LE03074b	Oodnadatta Track, SA	S28°26'10" E135°50'53"	orange red sand, limestone outcrops	72km N of William Creek	869 \pm 22
LE04003	Salisbury Lake, NSW	S29°41'16" E142°38'58"	orange clayey sand, saline, salt lake	Wanaaring Road, 150km W of Tibooburra	NR
LE05022	Birdsville Track, SA	S29°01'05" E138°27'30"	pink/orange sand	Dulkaninna Creek, braided creek bed	678 \pm 19
<i>Frankenia interioris</i>					
LE03007	Coolgardie, WA	S30°58'20" E121°03'11"	clay pan	Side of road amongst mallee	343 \pm 9
LE03009	Kalgoorlie, WA	NR	red clay sand, dry creek bed	30km N of Kalgoorlie	302 \pm 7
LE03010	Kalgoorlie-Menzies Rd, WA	S30°33'27" E121°25'33"	clay pan	Claypan 110km S of Menzies	NR
LE03011c	Kalgoorlie-Menzies Rd, WA	S30°32'03" E121°24'45"	red clay pan	110km S of Menzies	NR
LE03012a	Lake Goongarrie, WA	S30°00'56" E121°09'46"	soft clayey, prob. gypseous, quartz	40km S of Menzies	320 \pm 85
LE03065	Mundrabilla, WA	S31°54'37" E127°21'26"	orange sandy clay	Clay pan 77km W of Mundrabilla	286 \pm 67
<i>Frankenia irregularis</i>					
LE03004	Boulder, WA	S38°48'44" E121°32'23"	red clayey salt pan	20km E of Kalgoorlie-Boulder	NR
LE03011a	Kalgoorlie-Menzies Rd, WA	S30°32'03" E121°24'45"	red clay pan	110km S of Menzies	61 \pm 1
LE03049	Southern Cross, WA	S31°13'15" E119°19'55"	saline crust over orange clay, salt lake		64 \pm 3
LE03059	Lake Grace, WA	S33°06'35" E118°24'24"	white saline sand over brown grey clayey sand	Large salt lakes, Rhyinie	71 \pm 2
<i>Frankenia latior</i>					
LE01003	Pt Augusta, SA	S31°35'23" E137°08'22"		South of Pimba, Pt Augusta road	539 \pm 19
LE01011	Roxby Downs, SA	S30°18'44" E136°56'02"	heavy clay	Borefield Rd, 89.4km N of PS1	NR
LE01023	Woomera, SA	S30°57'25" E136°54'22"		48km S of Roxby Downs, Woomera road	NR
LE01029	Oodnadatta Track, SA	S29°38'51" E137°38'17"	clayey sand	By railway bridge, 45km W of Marree	400 \pm 9
LE04004	Fords Bridge, NSW	S29°42'27" E145°28'22"	pale red brown clay pan	7km N of Fords Bridge, N of Bourke	NR
LE05008	Coober Pedy, SA	S29°02'16" E134°49'12"	scree over pink/orange sand	William Creek road, from Coober Pedy	NR
LE05021a	Oodnadatta Track, SA	S29°38'51" E137°38'17"		Dog Fence 45km W of Marree	563 \pm 15
LE05030	Pt Augusta Road, SA	S31°19'48" E136°51'44"			686 \pm 24
LE07003	Pt Augusta Rd, SA	S31°35'23" E137°08'22"	red clay/ironstone	North of Pt Augusta on Pimba road	NR
<i>Frankenia laxiflora</i>					
LE03003	Ponton River, WA	S31°02'22" E123°47'04"	sandy clay		59 \pm 2

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia laxiflora</i> (cont.)					
LE03012b	Lake Goongarrie, WA	S30°00'56" E121°09'46"	soft clayey, prob. gypseous, quartz	40km S of Menzies	65 \pm 3
LE03013c	Malcolm-Leonora, WA	S29°01'59" E121°29'13"	red clay pan, sandy clay	Kookynie-Malcolm Road near Malcolm	69 \pm 4
LE03014	Leonora-Agnew Road, WA	S28°16'52" E121°07'26"	claypan, brown/orange, ironstone, laterite, sandstone	72km N of Leonora, WA	86 \pm 4
LE03015	Leonora-Agnew Rd, WA	S28°15'28" E121°06'13"		76km N of Leonora	NR
LE03016	Sandstone, WA	S27°58'00" E120°26'35"	red sand, sandstone conglomerate	Along road towards Sandstone.	NR
LE03017	Agnew, WA	S27°59'04" E120°34'45"	stoney clay pan	5km S of Agnew.	NR
LE03021	Lake Annean, WA	S26°53'15" E118°17'21"	clayey sand near salt lake	S of Meekatharra; S of Nannine cemetery	67 \pm 2
LE03032a	Curbur Station, WA	S26°27'45" E115°56'26"	red clay	Monoculture	NR
LE03047	Hines Hill, WA	S31°34'55" E117°58'37"	salt crust over clay, saline claypan	Bandee Road.	72 \pm 1
<i>Frankenia magnifica</i>					
LE01044a	Granite Peake H/S, WA	S25°31'06" E121°15' 01"	red sandy loam	Forbes Outcamp track	NR
LE03030b	Murchison County, WA	S28°02'55" E115°40'48"	dry creek bed	Road from Mullewa to Murchison R/H	55 \pm 1
LE03031	Mt Narryer Station, WA	S28°42'13" E115°53'24"	yellow orange sand	Monoculture	105 \pm 4
LE03033	Kennedy Ranges, WA	S24°39'42" E115°10'37"	black ironstone		93 \pm 6
LE03034	Gascoyne Junction, WA	S24°45'29" E115°18'53"	red sand, quartz, ironstone	40km N of Gascoyne Junction	91 \pm 3
<i>Frankenia pauciflora</i> var. <i>fruticulosa</i>					
LE01010	Thevernard, SA	S32°08'33" E133°40'35"	limestone	Growing in rock crevasses	147 \pm 3
LE03001b	Head of Bight, SA	S31°28'28" E131°05'41"	limestone cliff top	Road to observation area	NR
LE03070	Thevernard, SA	S32°08'33" E133°40'35"	limestone cliff		NR
LE04007	Yorke Peninsula, SA	S34°53'47" E137°00'38"	white sand over limestone, cliff top	Corny Point lighthouse	121 \pm 4
LE04008	Yorke Peninsula, SA	S35°16'05" E136°50'44"	pink sand over limestone	Cliff top, Innes NP, Ponderlow Bay.	NR
LE04010	Yorke Peninsula, SA	S35°16'12" E136°50'24"	sand over limestone	Cliff top	141 \pm 22
LE04011	Yorke Peninsula, SA	S35°05'45" E136°25'11"	saline, clay	Claypan behind sand dunes, Warooka intersection	NR
LE04012	Yorke Peninsula, SA	S34°18'36" E137°30'00"	yellow silty sand, limestone conglomerate	Cliff top, Balgowen; Tipara Rocks.	113 \pm 4
LE04013	Yorke Peninsula, SA	S34°40'47" E137°29'24"	white soft sand	In sand dunes, Pt Rickaby	122 \pm 3
LE04014	Pt Gawler, SA	S34°38'35" E138°26'22"	shelly sand over clayey sand	Swampy, near beach.	256 \pm 9
LE05024	Yorke Peninsula, SA	S34°35'53" E137°00'00"	limestone cliff top	Corney Point lighthouse.	159 \pm 9
LE05025	Yorke Peninsula, SA	S34°40'50" E137°29'37"	sand dune	Pt Rickaby.	145 \pm 7
LE05026	Pt Gawler, SA	S34°38'35" E138°26'22"	shelly sand grit	Swamp type, near mangroves.	128 \pm 8
<i>Frankenia pauciflora</i> var. <i>gunnii</i>					
LE01001	Goolwa, SA	S35°31'56" E138°49'37"	saline	Goolwa barrages	NR
LE03084	Goolwa, SA	S35°31'56" E138°49'37"	salt marsh		94 \pm 2
LE03085	Kangaroo Island, SA	S35°48'01" E137°44'24"	shelly sand beach, saltmarsh	"Independence" carpark	NR
LE03086	Kangaroo Island, SA	S35°47'22" E137°45'58"	shelly sand, saltmarsh	American River; "Remembrance" carpark	NR
LE03087	Kangaroo Island, SA	S36°03'32" E136°42'06"	cliff limestone	Cape de Coedic, on cliff face & islands	NR
LE04005	Yorke Peninsula, SA	S34°08'00" E138°03'50"	saline, boggy silty clay	Pt Clinton NP	64 \pm 1
LE04006	Yorke Peninsula, SA	S33°54'26" E137°38'30"	sandy clay, swamp	N of Wallaroo, on road to North Beach	141 \pm 3

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia pauciflora</i> var. <i>gunnii</i> (cont.)					
LE04009	Yorke Peninsula, SA	S35°11'50" E136°52'20"	swamp - clay	Browns Lake.	88 \pm 7
LE04015	Little Dip NP, SA	S37°16'48" E139°48'04"	limestone, sand overburden	Cliff top, Long Gully campsite	NR
LE04016	Beachort, SA	S37°29'02" E139°59'59"	sand around salt lake	Pool of Siloam	140 \pm 3
LE04017	Robe, SA	S36°09'00" E139°44'34"	sand over limestone	Growing in limestone outcrops.	NR
LE04018	Robe, SA	S37°09'00" E139°44'32"	beach pebbles	Doorway Rock lighthouse, cliff top	NR
LE04019	Kingston SE, SA	S36°49'45" E139°52'13"	white/grey sand, shelly inclusions, boggy	Swamp at drain outlet.	146 \pm 3
LE04020	Coorong NP, SA	S36°19'47" E139°45'00"	grey boggy, clayey sand, swampy clay pan	100km N of Kingston SE.	NR
LE04021	Coorong NP, SA	S36°03'20" E139°35'21"	swamp - clay	Lake 2km N of Policemans Point	106 \pm 2
LE06001	Robe, SA	S37°09'00" E139°44'32"	sand near base of cliff	Adjacent to Robe lighthouse	112 \pm 3
LE06002	Beachport, SA	S37°29'02" E139°59'59"	sand	Pool of Siloam	127 \pm 3
LE06003	Kingston SE, SA	S36°49'45" E139°52'13"	boggy sand	Maria Creek Drain.	148 \pm 3
<i>Frankenia pauciflora</i> var. <i>pauciflora</i> (coastal)					
LE03036	Monkey Mia, WA	S25°48'55" E113°39'19"	clay pan	5km SW of Monkey Mia	78 \pm 5
LE03037b	Shark Bay, WA	S26°01'18" E113°35'07"	soft orange sand ridges around salt pan	13km E of Denham	61 \pm 1
LE03038b	Shark Bay, WA	S26°10'10" E113°40'55"	yellow orange clay sand	Road to Denham from Overland Corner	59 \pm 5
LE03039	Leeman, WA	S29°41'23" E114°57'50"	pan between grey/white sand dunes, gypseous	Rubbish tip 3km S of Knobby Head.	59 \pm 2
LE03043	Leeman, WA	S29°55'29" E114°58'48"	coastal cliff face, rock, white sand	Growing in rock crevasses	123 \pm 4
LE03044	Jurien Bay, WA	S30°11'15" E115°01'10"		Roadside population.	110 \pm 6
<i>Frankenia pauciflora</i> var. <i>pauciflora</i> (inland)					
LE03005	Kambalda, WA	S31°13'20" E121°39'01"	saline	Rubbish tip.	57 \pm 2
LE03029	Pindar, WA	S28°28'29" E115°47'27"	yellow clay grading to grey, claypan		40 \pm 2
LE03032b	Byro Station, WA	S26°21'03" E115°59'33"		Monoculture	57 \pm 4
LE03042	Lake Inoon, WA	S29°51'06" E115°11'13"	clay pan		NR
LE03045	Mortlock East River, WA	S31°39'09" E116°59'23"	very compact white sandy clay, laterite	River bank, plants in white sand, not clay	128 \pm 2
LE03046	Cunedin, WA	S31°36'41" E117°05'58"	white sand, saline	Causeway over salt lake, Hopkins Road.	NR
LE03053	Lake Julia, WA	S30°58'21" E119°28'49"	sand over brown/grey clay	On side of road 16km S of Koolyanobbing	38 \pm 3
LE03055	Lake Polaris, WA	S31°12'39" E119°18'54"	clay and saline		NR
LE03063b	Salmon Gums, WA	S32°36'13" E121°33'58"	white yellow sand over orange brown clay	Lake Gilmore 51km N of Norseman	NR
<i>Frankenia planifolia</i>					
LE01016	Strzelecki Track, SA	S29°40'50" E139°33'14"		Murnpeowie Station, track to Public House Springs	NR
LE01024	Roxby Downs, SA	S30°10'05" E137°00'57"	red clay	Stuart Creek turn-off	NR
LE02007b	Oodnadatta Track, SA	S28°16'33" E135°50'16"	red, ironstone inclusions	Bungadillina Creek	626 \pm 14
LE02008b	Oodnadatta Track, SA	S27°40'38" E135°32'36"	ironstone inclusions	Next to 'Alandale 10km' sign	532 \pm 10
LE02009a	Oodnadatta Track, SA	S27°35'74" E135°26'38"	orange claypan	~200m towards Coober Pedy from turnoff	NR
LE02010	Oodnadatta Track, SA	S27°36'07" E135°25'50"	wetland, gidgee, grasses	~1km toward Coober Pedy from LE02009	NR
LE02011	Oodnadatta Track, SA	S28°10'12" E134°24'07"	slope of ironstone scree	Evelyn Downs Station.	NR
LE02012	Oodnadatta Track, SA	S28°12'40" E134°48'13"	pebbly crust	Evelyn Downs Station.	545 \pm 94
LE03074a	Oodnadatta Track, SA	S28°26'10" E135°50'53"	orange red sand, limestone outcrops	72km N of William Creek	583 \pm 49

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia planifolia</i> (cont.)					
LE03075b	Oodnadatta Track, SA	S28°16'33" E135°50'16"	yellow orange sand, ironstone, sandstone	Bungadillina Creek; in water run-off.	623 \pm 34
LE03076b	Oodnadatta Track, SA	S27°40'38" E135°32'37"	red gibber, sandy run-offs	Next to 'Alandale 10km' sign	NR
LE03079	Oodnadatta Track, SA	S27°35'41" E135°26'26"	sand	Braided creek bed, Coober Pedy road	601 \pm 17
LE03080	Oodnadatta Track, SA	S27°36'09" E135°25'48"	yellow brown sand, sandstone	<i>Acacia</i> grasslands.	521 \pm 10
LE05005	Oodnadatta Track, SA	S27°29'28" E138°24'29"	pink/orange, gibber, red ironstone conglomerate		NR
LE05023b	Oodnadatta Track, SA	S28°16'33" E135°50'16"		Bungadillina Creek	NR
<i>Frankenia plicata</i>					
LE05009	Anna Creek Station, SA	S29°38'57" E135°45'19"	dunes and scree	North Creek, near Dog Fence	290 \pm 61
LE05010a	Anna Creek Station, SA	S29°40'22" E135°46'07"	dunes and limestone, rock scree	North Creek, near Dog Fence	352 \pm 23
<i>Frankenia punctata</i>					
LE03051b	Lake Julia, WA	S31°01'10" E119°38'02"	saline, edge of lake		55 \pm 4
LE03052	Lake Seabrooke, WA	S30°59'13" E119°38'43"	extremely saline, white sand	Very white saline lake, sand dunes.	83 \pm 2
<i>Frankenia serpyllifolia</i>					
LE01018	Strzelecki Track, SA	S30°02'02" E138°56'51"	red clayey sand	70km N of Lyndhurst	NR
LE01021	Pimba, SA	S31°15'20" E136°48'15"		Next to petrol station.	NR
LE01022	Pimba, SA	S31°18'56" E136°51'11"		10km S of Pimba, Pt Augusta road	415 \pm 21
LE01035	Leigh Creek, SA	NR		Bridge, 35km S of Leigh Creek	NR
LE01038	Birdsville Track, SA	S29°12'38" E138°23'58"	pale red loam, surface ironstone	60km N of Marree	452 \pm 9
LE02001	Birdsville Track, SA	S27°13'39" E138°45'44"	red sand, ironstone	Mt Gason <i>Acacia</i> recovery site	NR
LE02002	Birdsville Track, SA	S27°25'52" E138°41'55"	red sandy clay, red ironstone	4km N of Kilander Bore	NR
LE02007a	Oodnadatta Track, SA	S28°16'33" E135°50'16"	red sand ironstone	Bungadillina Creek	724 \pm 21
LE02008a	Oodnadatta Track, SA	S27°40'38" E135°32'36"	ironstone	Next to Alandale '10km' sign	551 \pm 11
LE02009b	Oodnadatta Track, SA	S27°35'74" E135°26'38"	orange clay pan	200m towards Coober Pedy from turnoff	NR
LE02013	Oodnadatta Track, SA	S28°12'40" E134°48'12"	red clay, pebbly, dam run-off	Mt Barry Station	537 \pm 16
LE03075a	Oodnadatta Track, SA	S28°16'33" E135°50'16"	yellow orange sand, ironstone, sandstone	Bungadillina Creek; water run-off	636 \pm 15
LE03076a	Oodnadatta Track, SA	S27°40'38" E135°32'37"	red gibber, sandy run-off	Next to 'Alandale 10km' sign	NR
LE03077	Oodnadatta Track, SA	S27°38'20" E135°29'58"	gibber	13km SE of Oodnadatta, Oodnadatta Track	454 \pm 11
LE03081	Arckaringa Station, SA	S27°46'34" E135°13'16"	yellow brown clayey sand, limestone	Gidgee, grasses	NR
LE03082	Arckaringa Station, SA	S27°51'21" E135°03'33"	hard red clayey sand, ironstone, sandstone conglomerate	Painted Desert, side of creek bed	NR
LE03083	Oodnadatta Track, SA	S27°56'40" E134°22'43"	dry creek bed	70km N of Oodnadatta	NR
LE04002	Tibooburra, NSW	S29°06'26" E131°55'48"	gibber, mesa	42km N of Tibooburra	621 \pm 24
LE05007b	Rainbow Valley, NT	S24°19'57" E133°37'53"	pink/orange clay pan	At base of cliffs around clay pan	NR
LE05010b	Anna Creek Station, SA	S29°40'22" E135°46'07"	gypseous dune and limestone, rock scree	Flood wash on North Creek, near Dog Fence	643 \pm 19
LE05014a	Oodnadatta Track, SA	S29°59'37" E138°16'27"	pink/orange clayey sand	W of Lyndhurst	NR
LE05023a	Oodnadatta Track, SA	S28°16'33" E135°50'16"		Bungadillina Creek	618 \pm 9
LE05027	Oodnadatta Track, SA	S27°40'38" E135°32'36"		Next to 'Alandale 10km' sign.	638 \pm 29
LE05028	Pt Augusta Rd, SA	S31°35'25" E137°08'22"		Just south of the South Gap turn-off	517 \pm 36
LE05029	Anna Creek Station, SA	S29°13'26" E135°16'58"		Track along dog fence	444 \pm 31

Voucher No.	Location	GPS co-ordinates	Site description	Comments	mass μg ($\pm\text{se}$)
<i>Frankenia serpyllifolia</i> (cont.)					
LE07001	Pimba, SA	S31°18'56" E136°51'11"	red clay/ironstone; watercourse	10km south of Pimba	NR
<i>Frankenia sessilis</i>					
LE01007	Cactus Beach, SA	S32°03'56" E132°59'37"	sandy silty clay, limestone		239 \pm 9
LE01008	Fowlers Bay, SA	NR	brown red silty sand, crust, saline		159 \pm 4
LE01997	Eyre Peninsula, SA	NR			139 \pm 4
LE03001a	Head of Bight, SA	S31°28'28" E131°05'41"	limestone cliff top	Road to observation area	194 \pm 25
LE03002	Nullabor Plain, SA	S31°38'17" E129°25'48"	cliff top, limestone	45km E of Border Village	NR
LE03064	Madura Pass, WA	S31°53'59" E127°00'32"	limestone shingle	Top of escarpment, very little soil	199 \pm 4
LE03066	Eucla, WA	S31°42'49" E128°53'06"	marsh, white sand over orange clayey sand	In saltmarsh behind sand dunes	138 \pm 3
LE03067	Fowlers Bay, SA	S31°57'42" E132°26'12"	white sand over grey clayey sand, limestone outcrops		175 \pm 3
LE03068	Cactus Beach, SA	S32°03'56" E132°59' 7"	saline white sand		235 \pm 73
<i>Frankenia setosa</i>					
LE01041	Carnarvon Range, WA	S25°08'44" E120°14'20"		Track to Mt Methwin H/S	688 \pm 22
LE01043	Little Sandy Desert, WA	S25°07'32' E120°42'56"	red loam, quartz gravel	Mt Methwin to Carnarvon Ranges track	629 \pm 15
LE01044b	Granite Peake H/S, WA	S25°31'06" E121°15'31"	red sandy loam	Forbes Outcamp track	NR
LE03006b	Widgemooltha, WA	S31°29'29" E121°35'51"	pink swales, salt lake	Dry clay pan	NR
LE03011b	Kalgoorlie-Menzies Rd, WA	S30°32'03" E121°24'45"	red clay pan	110km S of Menzies	334 \pm 15
LE03013b	Malcolm-Leonora, WA	S29°01'59" E121°29'13"	red clay pan, sandy clay	Kookynie-Malcom Road near Malcolm	483 \pm 32
LE03026	Mt Magnet, WA	S28°00'29" E117°48'51"	quartz hill slope, ironstone		NR
LE03027	Mt Magnet, WA	S28°00'07" E117°51'12"	white sand, gypseous, saline	The Granites, N of Mt Magnet	NR
LE03028	Pindar, WA	S28°28'29" E115°47'27"	yellow clay grading to grey		776 \pm 52
LE03030a	Murchison County, WA	S28°02'55" E115°40'48"	dry creek bed, clay pan	Road from Mullewa to Murchison R/H	NR
LE03035	Gascoyne Junction, WA	S24°51'18" E115°18'20"	red sand, sandstone conglomerate	28km N of Gascoyne Junction	1214 \pm 34
LE03050	Yellowdine, WA	S31°17'29" E119°41'30"	saline over clay	Lake 3km E of Yellowdine to Coolgardie	NR
<i>Frankenia subteres</i>					
LE01017	Moolawatanna Station, SA	S29°51'01" E139°39'53"	limestone conglomerate, no soil	Twelve Springs, Murnpeowie Station	NR
LE01030	Oodnadatta Track, SA	S29°12'38" E138°23'58"	white sand, saline	63km N of Lyndhurst	99 \pm 11
LE01032a	Oodnadatta Track, SA	S30°14'31" E138°20'45"		Ochre Cliffs turn-off, near Marree	196 \pm 2
LE05001	Leigh Creek, SA	S30°25'59" E138°22'13"	pink/orange clayey sand & gravel to stone conglomerate		155 \pm 24
LE05002	Lyndhurst, SA	S30°16'45" E138°20'57"	pink/orange clayey sand, rock conglomerate		113 \pm 2
<i>Frankenia tetrapetala</i>					
LE03056	Lake Newton, WA	S32°57'39" E119°36'33"	white sand over grey sandy clay	Edge of lake, rubbish tip	135 \pm 3
LE03058	Newdegate, WA	S33°11'29" E119°12'49"	white sand over grey sandy clay, salt pan	Old Ravensthorpe Road	135 \pm 3
LE03060	Esperence, WA	S33°34'46" E121°45'44"	clayey sand with laterite, salt pan	35km N of Esperence	202 \pm 11
LE03061	Grasspatch, WA	S33°25'09" E121°42'32"	saline over clay	Huge mat around edge of salt pan	185 \pm 11
LE03063a	Salmon Gums, WA	S32°36'13" E121°33'58"	white yellow sand over orange brown clay	Lake Gilmore 51km N of Norseman	266 \pm 8