

APPENDIX A

Survey Metadata

Appendix A Survey Metadata

Bird Surveys

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Wind Speed	Cloud Cover	Temperature (°C)	Rain
Wintering Bird Season 2 (November 2021 – March 2022)											
Wintering 21/22	1	ROD	19/11/2021	VP10-20 Carrowncalla North - Kilkee	08:40:00	04:00	L	17	100	9	Light rain
Wintering 21/22	1	ROD	19/11/2021	VP20-VP11 Kilkee - Moyasta	14:28:00	02:02	H	8	90	11	None
Wintering 21/22	1	ROD	25/11/2021	VP9 -VP6 Carrowncalla North - Railway Cottage, Leadmore West	13:44:00	Not recorded	L	19	75	7	None
Wintering 21/22	1	ROD	29/11/2021	VP5 -VP1 Railway Cottage, Leadmore West - Cappagh Pier	08:20:00	01:00	L	0	100	0	None
Wintering 21/22	1	ROD	29/11/2021	Carrowncalla North - Cappagh Pier	11:18:00	04:12	H	16	0	11	None
Wintering 21/22	1	ROD	13/12/2021	Carrowncalla North - Kilkee	11:45:00	03:43	H	7	75	7	None
Wintering 21/22	1	ROD	16/12/2021	VP9-VP7	08:44:00	02:31	L	10	50	9	None
Wintering 21/22	1	ROD	21/12/2021	VP6-VP1	11:34:00	02:17	L	30	100	9	None
Wintering 21/22	1	ROD	24/01/2022	VP11 - VP20 Moyasta -Kilkee	09:28:00	02:20	H	0	0	5	None
Wintering 21/22	1	ROD	24/01/2022	VP20-VP13 Kilkee - Moyasta	14:32:00	02:00	L	0	0	10	None
Wintering 21/22	1	ROD	25/01/2022	VP10 -VP5	08:40:00	03:40	H	0	30	5	None

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Wind Speed	Cloud Cover	Temperature (°C)	Rain
Wintering 21/22	1	ROD	25/01/2022	VP12 -V11 (Moyasta)	15:27:00	01:18	L	calm	90	10	None
Wintering 21/22	1	ROD	26/01/2022	VP5 -VP1	08:44:00	02:18	H	0	0	0	None
Wintering 21/22	1	ROD	26/01/2022	VP10 -VP8	13:45:00	03:28	L	34	100	10	Yes
Wintering 21/22	1	ROD	31/01/2022	VP7 VP1	08:57:00	01:58	L	26	100	8	None
Wintering 21/22	1	ROD	28/02/2022	VP11 - VP20 Moyasta -Kilkee	00:00:00	00:00	H	21	50	10	None
Wintering 21/22	1	ROD	16/03/2022	VP11 - VP20 Moyasta -Kilkee	08:45:00	03:15	L	0	0	1	None
Wintering 21/22	1	ROD	16/03/2022	VP9 - VP6, VP3- VP1	14:50:00	01:50	H	17	0	8	None
Wintering 21/22	1	ROD	24/03/2022	Vp10 -VP1	13:40:00	03:35	L	0	100	11	None
Wintering 21/22	1	ROD	29/03/2022	VP 4, 5, 10	15:30:00	01:40	H	9	0	15	None

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering Bird Season 2 (October 2022 – March 2023)											
Wintering 22/23	2	MKO	25/10/2022	VP20	09:45	0:30	Falling	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP11	09:45	1:30	Falling	good	gentle breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	25/10/2022	VP1-9	09:47	4:00	Low	good	gentle breeze	66-100% 150-500m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	25/10/2022	VP19	10:20	0:10	Falling	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP18	10:35	0:15	Falling	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP17	10:55	0:15	Falling	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP12	11:00	1:25	Falling	moderate	gentle breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	25/10/2022	VP16	11:20	0:15	Low	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP15	11:40	0:15	Low	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP14	12:00	0:45	Low	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP13	12:25	0:35	Rising	good	moderate breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	25/10/2022	VP10	13:00	0:45	Rising	good	gentle breeze	33-66% >500m	none
Wintering 22/23	2	MKO	25/10/2022	VP10	13:00	0:45	Rising	good	moderate breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	01/11/2022	200m Radius	08:00	5:00	High	good	strong breeze	66-100% >500m	drizzle
Wintering 22/23	2	MKO	02/11/2022	200m Radius	11:00	2:00	High	good	near gale	66-100% >500m	heavy showers
Wintering 22/23	2	MKO	17/11/2022	VP1-VP4	09:30	2:00	Rising	good	light breeze	66-100% 150-500m	light showers
Wintering 22/23	2	MKO	17/11/2022	VP20	09:30	0:30	Rising	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP11	09:30	1:00	Rising	good	light breeze	66-100% 150-500m	light showers

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	17/11/2022	VP19	10:05	0:05	Rising	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP18	10:15	0:15	Rising	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP17	10:30	0:15	Rising	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP11-VP12	10:30	1:00	Rising	good	light breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	17/11/2022	VP16	11:00	0:05	Rising	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP15	11:10	0:10	High	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP14	11:25	0:35	High	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP5	11:30	1:00	High	moderate	light breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	17/11/2022	VP12-VP13	11:30	1:00	High	moderate	light breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	17/11/2022	VP13	11:30	1:30	Falling	moderate	light breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	17/11/2022	VP10	12:10	0:20	Falling	good	light air	33-66% >500m	none
Wintering 22/23	2	MKO	17/11/2022	VP6-9	12:30	0:30	Falling	moderate	light breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	29/11/2022	200m Radius	08:00	4:00	High	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	30/11/2022	200m Radius	09:00	4:00	High	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	08/12/2022	VP20	09:04	0:26	Falling	poor	light breeze	66-100% <150m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	08/12/2022	VP1-VP4	09:07	1:53	Falling	good	light breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	08/12/2022	VP11	09:07	1:00	Falling	limited	calm SW	<150m Rain:	none
Wintering 22/23	2	MKO	08/12/2022	VP19	09:35	0:05	Falling	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP18	09:50	0:10	Falling	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP17	10:05	0:15	Falling	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP11-VP12	10:07	1:00	Falling	limited	calm SW	<150m	none
Wintering 22/23	2	MKO	08/12/2022	VP16	10:30	0:10	Falling	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP15	10:50	0:10	Low	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP5	11:00	1:00	Low	good	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP12-VP13	11:07	1:00	Low	poor	calm SW	<150m	none
Wintering 22/23	2	MKO	08/12/2022	VP13	11:07	2:00	Rising	good	calm SW	150-500m	none
Wintering 22/23	2	MKO	08/12/2022	VP14	11:15	0:30	Low	good	light breeze	0-33% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP6-VP9	12:00	1:07	Rising	poor	light breeze	66-100% <150m	none
Wintering 22/23	2	MKO	08/12/2022	VP10	12:00	1:00	Rising	good	light breeze	0-33% <150m	none
Wintering 22/23	2	MKO	19/12/2022	200m Radius	09:00	6:00	High	good	light air	33-66% >500m	light showers

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	20/12/2022	200m Radius	10:00	5:00	High	good	light air	33-66% >500m	light showers
Wintering 22/23	2	MKO	17/01/2023	VP1-VP4	11:00	1:00	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP20	11:00	0:20	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP11	11:00	1:00	Rising	good	light breeze	0-33% 150-500m	none
Wintering 22/23	2	MKO	17/01/2023	VP19	11:25	0:05	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP18	11:35	0:10	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP17	11:45	0:15	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP5	12:00	1:00	High	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP12	12:00	1:00	High	good	light breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	17/01/2023	VP16	12:10	0:15	Rising	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP15	12:30	0:30	High	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP6-VP9	13:00	1:30	High	good	light breeze	0-33% >500m	light showers
Wintering 22/23	2	MKO	17/01/2023	VP13	13:00	1:00	Falling	good	gentle breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	17/01/2023	VP14	13:05	0:20	High	good	light breeze	0-33% >500m	none
Wintering 22/23	2	MKO	17/01/2023	VP10	13:30	1:00	High	good	light breeze	0-33% >500m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	17/01/2023	VP10	14:00	1:00	Falling	moderate	gentle breeze	66-100% <150m	heavy showers
Wintering 22/23	2	MKO	30/01/2023	200m Radius	08:00	5:00	High	good	fresh breeze	66-100% >500m	none
Wintering 22/23	2	MKO	31/01/2023	200m Radius	11:00	2:00	High	good	fresh breeze	66-100% >500m	none
Wintering 22/23	2	MKO	15/02/2023	200m Radius	10:00	4:00	High	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/02/2023	200m Radius	11:00	3:00	High	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP1-VP5	10:45	1:00	Falling	good	fresh breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP11	10:45	1:00	Falling	good	fresh breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP20	11:00	0:20	Falling	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP19	11:25	0:05	Falling	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP18	11:35	0:10	Falling	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP5	11:45	2:00	Low	moderate	strong breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP17	11:45	0:15	Falling	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP12	11:45	1:00	Falling	moderate	strong breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP16	12:05	0:10	Falling	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP15	12:20	0:10	Low	good	gentle breeze	66-100% >500m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	21/02/2023	VP14	12:35	0:20	Low	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP12-VP13	12:45	1:00	Low	good	strong breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP10	13:00	1:00	Low	good	gentle breeze	66-100% >500m	none
Wintering 22/23	2	MKO	21/02/2023	VP5-VP6	13:45	1:00	Rising	moderate	strong breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	21/02/2023	VP13-VP10	13:45	1:00	Rising	good	strong breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	16/03/2023	VP1-VP4	10:00	1:00	Rising	moderate	fresh breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	16/03/2023	VP20	10:00	0:20	Rising	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP11	10:00	1:00	Rising	moderate	fresh breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	16/03/2023	VP19	10:25	0:10	Rising	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP18	10:40	0:10	Rising	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP17	10:55	0:15	Rising	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP5	11:00	1:30	Rising	good	fresh breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	16/03/2023	VP12	11:00	1:00	Rising	good	fresh breeze	33-66% 150-500m	none
Wintering 22/23	2	MKO	16/03/2023	VP16	11:15	0:10	Rising	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP15	11:30	0:20	High	good	moderate breeze	66-100% >500m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 22/23	2	MKO	16/03/2023	VP14	11:55	0:20	High	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP13	12:00	1:00	High	good	fresh breeze	66-100% 150-500m	none
Wintering 22/23	2	MKO	16/03/2023	VP6-VP7	12:30	1:00	High	good	fresh breeze	66-100% 150-500m	drizzle
Wintering 22/23	2	MKO	16/03/2023	VP10	12:30	0:50	High	good	moderate breeze	66-100% >500m	none
Wintering 22/23	2	MKO	16/03/2023	VP10	13:00	1:00	Falling	good	fresh breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	16/03/2023	VP8-VP9	13:30	0:30	Falling	good	fresh breeze	66-100% 150-500m	heavy showers
Wintering 22/23	2	MKO	28/03/2023	200m Radius	10:00	1:00	High	good	light breeze	66-100% >500m	none
Wintering 22/23	2	MKO	28/03/2023	200m Radius	11:00	5:45	High	good	light breeze	66-100% >500m	none
Wintering 2024	3	MKO	17/02/2024	Section 1	09:00	4:00	Inland (tide not applicable)	moderate	fresh breeze	66-100% 150-500m	heavy showers
Wintering 2024	3	MKO	18/02/2024	Section 1	10:27	4:00	Inland (tide not applicable)	poor	gentle breeze	66-100% 150-500m	drizzle
Wintering 2024	3	MKO	27/02/2024	Vp1-Vp4	10:50	0:40	Falling	moderate	strong breeze	66-100% 150-500m	none
Wintering 2024	3	MKO	27/02/2024	Vp20	11:00	0:25	Falling	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp11	11:00	1:05	Falling	moderate	strong breeze	66-100% 150-500m	none
Wintering 2024	3	MKO	27/02/2024	Vp5-Vp6	11:30	1:30	Falling	poor	strong breeze	33-66% 150-500m	none

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 2024	3	MKO	27/02/2024	Vp19	11:30	0:10	Falling	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp18	11:45	0:05	Falling	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp17	11:50	0:10	Low	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp12	12:05	1:05	Falling	poor	strong breeze	33-66% 150-500m	none
Wintering 2024	3	MKO	27/02/2024	Vp16	12:20	0:15	Low	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp15	12:40	0:20	Low	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp7-Vp9	13:00	2:45	Low	moderate	strong breeze	33-66% 150-500m	none
Wintering 2024	3	MKO	27/02/2024	Vp14	13:05	0:25	Low	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp13	13:10	0:50	Low	moderate	strong breeze	33-66% 150-500m	none
Wintering 2024	3	MKO	27/02/2024	Vp10	13:40	0:30	Rising	good	gentle breeze	0-33% >500m	none
Wintering 2024	3	MKO	27/02/2024	Vp10	14:10	1:35	Rising	good	strong breeze	66-100% 150-500m	none
Wintering 2024	3	MKO	23/03/2024	Section 1	14:30	4:00	Inland (tide not applicable)	good	moderate breeze	33-66% 150-500m	none
Wintering 2024	3	MKO	24/03/2024	Section 1	15:00	4:00	Inland (tide not applicable)	poor	gentle breeze	66-100% <150m	light showers
Wintering 2024	3	MKO	26/03/2024	Vp20	10:00	0:15	Falling	good	gentle breeze	66-100% >500m	heavy showers

Survey	Wintering Bird Season	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Wintering 2024	3	MKO	26/03/2024	Vp11	10:00	1:00	Falling	moderate	moderate breeze	66-100% <150m	persistent
Wintering 2024	3	MKO	26/03/2024	Vp19	10:20	0:05	Falling	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp18	10:30	0:10	Falling	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp17	10:45	0:10	Falling	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp16	11:00	0:10	Falling	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp12	11:00	1:00	Falling	moderate	moderate breeze	66-100% <150m	persistent
Wintering 2024	3	MKO	26/03/2024	Vp15	11:15	0:15	Low	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp14	11:40	0:20	Low	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	26/03/2024	Vp13, Vp10	12:00	1:05	Low	moderate	moderate breeze	66-100% <150m	persistent
Wintering 2024	3	MKO	26/03/2024	Vp10	12:15	0:30	Low	good	gentle breeze	66-100% >500m	heavy showers
Wintering 2024	3	MKO	27/03/2024	Vp1 - Vp4	10:00	1:00	Falling	good	moderate breeze	33-66% <150m	none
Wintering 2024	3	MKO	27/03/2024	Vp5	11:00	1:00	Falling	good	moderate breeze	33-66% <150m	none
Wintering 2024	3	MKO	27/03/2024	Vp7 - Vp 9	12:00	2:00	Low	good	moderate breeze	33-66% <150m	none

Survey	Surveyor	Date	Location	Start Time	Duration	Tide	Visibility	Wind Speed	Cloud Cover And Height	Rain
Breeding Birds 2024 (April – July 2024)										
Breeding birds 2024	MKO	26/04/2024	Vp5, Vp8 & Vp9	06:15	3:00	High	good	gentle breeze	0-33% >500m	none
Breeding birds 2024	MKO	26/04/2024	Vp9-Vp12	09:45	3:00	Falling	good	gentle breeze	0-33% >500m	none
Breeding birds 2024	MKO	31/05/2024	Vp5-Vp12	06:00	5:30	Rising	good	light air	0-33% >500m	none
Breeding birds 2024	MKO	02/07/2024	Vp7-Vp12	06:30	3:30	Low	good	light air	0-33% >500m	none
Breeding birds 2024	MKO	02/07/2024	Vp5-Vp6	10:30	1:30	Rising	good	light air	0-33% >500m	none