

Appendix N - Food Web Model



Food Web Modelling - Water and Food Ingestion Rate Calculations

Equation 4: Used for intakes of soil			
	Bird	mammal	reptile
a	0.638	0.323	0.0111
b	0.685	0.744	0.92

Equation 5: Used for intakes of other food sources			
	Bird	mammal	reptile
a	2.065	0.794	0.0333
b	0.689	0.773	0.932

$$IngR_{iWW} = aWt^b$$

Where:
 $IngR_{iWW}$ = food ingestion rate (g WW/day)
 Wt = body weight of receptor species (g WW)

Birds $Wt = 0.059 - Wt^{0.67}$
 Mammals $Wt = 0.099 - Wt^{0.90}$

Where:
 WI = drinking water ingestion (L/d)
 Wt = body weight of receptor species (kg)

Receptor of Concern (Common Name)	Water Ingestion Rate Calculation			Food Ingestion Rate Calculation			
	MIMIMUM Assumed Body Weight (kg body weight) ^(b)	MAXIMUM Assumed Body Weight (kg body weight) ^(b)	Water Ingestion Rate (L/kg bw/day) ^(d) (based on minimum body weight)	MIMIMUM Assumed Body Weight (g body weight) ^(b)	MAXIMUM Assumed Body Weight (g body weight) ^(b)	DMI Food Ingestion Rate (g dry weight/g body weight/day) ^(c)	FMI Food Ingestion Rate (g wet weight/g body weight/day) ^(c)
Invertevorous and Omnivorous Aquatic Birds							
White-faced Heron	0.5	0.55	0.074	500	550	0.090	0.299
Eastern Great Egret	0.7	1.2	0.066	700	1200	0.081	0.269
comb-crested jacana	0.085	0.14	0.13	85	140	0.16	0.52
Pacific Black Duck	1.025	1.1114	0.059	1025	1111.4	0.072	0.239
Radjah Shelduck	1	1	0.059	1000	1000	0.072	0.241
Piscivorous Birds							
Australasian Darter	2.6	2.6	0.043	2600	2600	0.05	0.18
Little Pied Cormorant	0.487	0.9	0.0748	487	900	0.09	0.30
Little Black Cormorant	0.52	1.21	0.073	520	1210	0.09	0.30
Black-Necked Stork	4	4	0.037	4000	4000	0.05	0.16
Piscivorous Mammals							
Water Rat	0.34	1.275	0.11	340	1275	0.07	0.21
Large-footed Myotis	0.015	0.015	0.15	15	15	0.16	0.43
Piscivorous Aquatic Reptiles							
Freshwater Crocodile	90	90	0.0001	90000	90000	0.004	0.02
gray's water snake	0.08205	0.08205	0.0001	82.05	82.05	0.01	0.02
Keelback Snake	0.25	0.25	0.0001	250	250	0.007	0.02
Northern Snake-necked Turtle	3.3	4	0.0001	3300	4000	0.006	0.02
Omnivorous Aquatic Reptiles							
Northern Snapping Turtle	7.5	7.5	0.0001	7500	7500	0.005	0.018
Diamond Head Turtle	0.5	0.5	0.0001	500	500	0.007	0.02
Herbivorous Terrestrial Birds							
rose crowned fruit dove	0.105	0.105	0.124	105	105	0.15	0.49
Australasian Figbird	0.128	0.128	0.116	128	128	0.14	0.46
Maggpie Goose	2	2.8	0.05	2000	2800	0.06	0.19
Bar-shouldered Dove	0.13	0.13	0.12	130	130	0.14	0.45
Plumed Whistling-Duck	1	1	0.06	1000	1000	0.07	0.24
Herbivorous Terrestrial Mammals							
Agile Wallaby	9	27	0.08	9000	27000	0.03	0.10
Black Flying Fox	0.667	0.667	0.103	667	667	0.06	0.18
Black-footed Tree Rat	0.83	0.83	0.10	830	830	0.06	0.17
pale field rat	0.08	0.08	0.13	80	80	0.11	0.29
Grassland Melomys	0.055	0.055	0.13	55	55	0.12	0.32
Invertevorous and Omnivorous Terrestrial Birds							
Masked Lapwing	0.37	0.37	0.08	370	370	0.10	0.33
Straw-necked Ibis	1.1	1.5	0.06	1100	1500	0.07	0.23
Black-faced Woodswallow	0.035	0.035	0.18	35	35	0.21	0.68
Invertevorous and Omnivorous Mammals							
Short-beaked Echidna	2.5	7	0.09	2500	7000	0.04	0.13
Common Rock-Rat	0.025	0.065	0.14	25	65	0.14	0.38
Northern Brown Bandicoot	2.1	2.1	0.09	2100	2100	0.05	0.14
Large Bent-winged Bat	0.008	0.011	0.16	8	11	0.19	0.50
Orange Leaf-nosed Bat	0.0065	0.0112	0.16	6.5	11.2	0.20	0.52
Invertevorous and Omnivorous Reptiles							
Friiled-necked Lizard	0.4	0.87	0.0001	400	8700	0.12	0.02
Bynoe's Gecko	0.118	0.118	0.0001	118	118	0.01	0.02
Gilbert's Dragon	0.9	0.9	0.0001	900	900	0.01	0.02
Striped Rainbow Skink	0.3	1.0137	0.0001	300	1013.7	0.01	0.02
Carnivorous Terrestrial Birds							
Black-shouldered Kite	0.291	0.291	0.09	291	291	0.11	0.35
Wedge-tailed Eagle	4	4	0.04	4000	4000	0.05	0.16
Whistling Kite	0.77	0.77	0.06	770	770	0.08	0.26
Black Kite	0.65	0.94	0.07	650	940	0.08	0.28
Carnivorous Terrestrial Mammals							
Northern Quoll	0.3	0.9	0.11	300	900	0.07	0.22
Dingo	12	24	0.08	12000	24000	0.03	0.09
Carnivorous Terrestrial Reptiles							
Floodplain Monitor	1.5	2	0.0001	1500	2000	0.01	0.020
Olive Python	10	20	0.0001	10000	20000	0.01	0.018
Brown Tree Snake	2.3	2.3	0.0001	2300	2300	0.01	0.020

AQUATIC RECEPTOR MODELS
Darwin

Chemical	AEC	Sediment	Water	Benthic	Plant	Reptiles and Amphibians	Fish	Mammal	Bird
		Maximum	Maximum	Invertebrate	Concentration	Concentration	Concentration	Concentration	Concentration
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Concentration (mg/kg)	Concentration (mg/kg)	Concentration (mg/kg)	Concentration (mg/kg)	Concentration (mg/kg)
PFOS	Ludmilla Creek	0.021	0.002999	0.01413	0.004	0.03161	0.0514	0.0367	0.069
PFOA	Ludmilla Creek	0.005	0.000072	0.00441	0.0005	0.0005	0.00034	0.00052	0.0005
PFOS	Rapid Creek Freshwater	0.1823	0.000711	0.078	0.013	2.262	0.7642	0.1832	7.2
PFOA	Rapid Creek Freshwater	0.005	0.0000208	0.0013	0.0005	0.0005	0.0005	0.00009	0.0005
PFOS	All - Estuarine	0.02435	0.001701	0.0144	0.0013	0.0221	0.02581	0.0367	0.03156
PFOA	All - Estuarine	0.005	0.000053	0.0036	0.0005	0.0005	0.00034	0.00052	0.0005
PFOS	Rapid Creek Estuary	0.019	0.000303	0.01938	0.0022	0.0207	0.02905	0.00498	0.017
PFOA	Rapid Creek Estuary	0.005	0.000013	0.00217	0.0005	0.0005	0.0005	0.00009	0.0005
PFOS	Reichardt & Sadgroves	0.0436	0.000106	0.00312	0.0007	0.024	0.001727	0.00498	0.0079
PFOA	Reichardt & Sadgroves	0.005	0.000012	0.00174	0.0005	0.0005	0.0005	0.00009	0.0005

NM = Not measured.

Darwin

Eastern Great Egret

Food Ingestion Rate - ww 0.2690000 kg ww/kg bw/day
 Water Ingestion Rate 0.0660000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.15	0.15	0.60	0.04	0.04	0.02

Maximum Concentrations

Ecological Contaminant	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Reptile/Amphibian Concentration (mg/kg)	Reptile/Amphibian Dose (mg/kg-bw/d)	Fish Concentration (mg/kg)	Fish Dose (mg/kg-bw/d)	Mammal Concentration (mg/kg)	Mammal Dose (mg/kg-bw/d)	Bird Concentration (mg/kg)	Bird Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOA	Ladnilla Creek	0.02	0.00	0.01	0.00057	0.05	0.0013	0.05	0.00830	0.04	0.00039	0.07	0.00074	0.01128	0.00	0.00	0.001	0.077	0.77
PFOA	Ladnilla Creek	0.01	0.00	0.00	0.00018	0.00	0.0000	0.00	0.00005	0.00	0.00001	0.00	0.00001	0.00026	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.08	0.00315	2.26	0.0913	0.76	0.12334	0.18	0.00197	7.20	0.07747	0.29720	0.00	0.00	0.020	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00005	0.00	0.00000	0.00	0.00008	0.00	0.00000	0.00	0.00001	0.00016	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.01	0.00058	0.02	0.0009	0.03	0.00417	0.04	0.00039	0.03	0.00034	0.00637	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00015	0.00	0.0000	0.00	0.00005	0.00	0.00001	0.00	0.00001	0.00023	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.02	0.00078	0.02	0.0008	0.03	0.00469	0.00	0.00005	0.02	0.00018	0.00654	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00009	0.00	0.0000	0.00	0.00008	0.00	0.00000	0.00	0.00001	0.00019	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00013	0.02	0.0010	0.00	0.00028	0.00	0.00005	0.01	0.00009	0.00151	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00007	0.00	0.0000	0.00	0.00008	0.00	0.00000	0.00	0.00001	0.00018	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

White-faced Heron

Food Ingestion Rate - ww 0.2990000 kg ww/kg bw/day
 Water Ingestion Rate 0.0740000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.33	0.33	0.33	0.00	0.00	0.01

Maximum Concentrations

Ecological Contaminant	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Reptiles/Amphibians Concentration (mg/kg)	Reptiles/Amphibians Dose (mg/kg-bw/d)	Fish Concentration (mg/kg)	Fish Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOA	Ludmilla Creek	0.02	0.00	0.01	0.00139	0.03	0.00312	0.05	0.00507	0.00958	0.00	0.00	0.010	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00044	0.00	0.00005	0.00	0.00005	0.00052	0.00	0.00	0.001	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.08	0.00770	2.26	0.22319	0.76	0.07540	0.30629	0.00	0.00	0.307	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00013	0.00	0.00005	0.00	0.00005	0.00023	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.01	0.00142	0.02	0.00218	0.03	0.00255	0.00615	0.00	0.00	0.006	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00036	0.00	0.00005	0.00	0.00003	0.00044	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.02	0.00191	0.02	0.00204	0.03	0.00287	0.00682	0.00	0.00	0.007	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00021	0.00	0.00005	0.00	0.00005	0.00031	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00031	0.02	0.00237	0.00	0.00017	0.00285	0.00	0.00	0.003	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00017	0.00	0.00005	0.00	0.00005	0.00027	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Comb-crested Jacana

Food Ingestion Rate - ww 0.5200000 kg ww/kg bw/day
 Water Ingestion Rate 0.1330000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibi	Fish	Mammals	Birds	Soil
Diet (%)	0.75	0.22	0.00	0.00	0.00	0.00	0.03

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Ludmilla Creek	0.02	0.00	0.00	0.0016	0.01	0.0016	0.00318	0.00	0.00	0.004	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.0002	0.00	0.0005	0.00070	0.00	0.00	0.001	0.077	0.77
PFOS	Rapid Creek Fre	0.18	0.00	0.01	0.0051	0.08	0.0089	0.01399	0.00	0.00	0.017	0.077	0.77
PFOA	Rapid Creek Fre	0.01	0.00	0.00	0.0002	0.00	0.0001	0.00034	0.00	0.00	0.000	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.00	0.0005	0.01	0.0016	0.00215	0.00	0.00	0.003	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.0002	0.00	0.0004	0.00061	0.00	0.00	0.001	0.077	0.77
PFOS	Rapid Creek Est	0.02	0.00	0.00	0.0009	0.02	0.0022	0.00308	0.00	0.00	0.003	0.077	0.77
PFOA	Rapid Creek Est	0.01	0.00	0.00	0.0002	0.00	0.0002	0.00044	0.00	0.00	0.001	0.077	0.77
PFOS	Reichardt & Sad	0.04	0.00	0.00	0.0003	0.00	0.0004	0.00063	0.00	0.00	0.001	0.077	0.77
PFOA	Reichardt & Sad	0.01	0.00	0.00	0.0002	0.00	0.0002	0.00039	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Pacific Black Duck

Food Ingestion Rate - ww 0.2390000 kg ww/kg bw/day

Water Ingestion Rate 0.0585000 L/kg bw/day

Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.85	0.12	0.00	0.00	0.00	0.00	0.03

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Ludmilla Creek	0.02	0.00	0.00	0.00081	0.01	0.00041	0.00122	0.00	0.00	0.002	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00010	0.00	0.00013	0.00023	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Freshwater	0.18	0.00	0.01	0.00264	0.08	0.00224	0.00488	0.00	0.00	0.006	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00010	0.00	0.00004	0.00014	0.00	0.00	0.000	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.00	0.00026	0.01	0.00041	0.00068	0.00	0.00	0.001	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00010	0.00	0.00010	0.00020	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Estuary	0.02	0.00	0.00	0.00045	0.02	0.00056	0.00100	0.00	0.00	0.001	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00010	0.00	0.00006	0.00016	0.00	0.00	0.000	0.077	0.77
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.00014	0.00	0.00009	0.00023	0.00	0.00	0.001	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00010	0.00	0.00005	0.00015	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Radjah Shelduck

Food Ingestion Rate - ww 0.2410000 kg ww/kg bw/day
 Water Ingestion Rate 0.0590000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.50	0.47	0.00	0.00	0.00	0.00	0.03

Maximum Concentrations

Ecological Contaminant	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Ludmilla Creek	0.02	0.00	0.00	0.0005	0.01	0.0016	0.00208	0.00	0.00	0.002	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.0001	0.00	0.0005	0.00056	0.00	0.00	0.001	0.077	0.77
PFOS	Rapid Creek Freshwater	0.18	0.00	0.01	0.0016	0.08	0.0088	0.01040	0.00	0.00	0.012	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.0001	0.00	0.0001	0.00021	0.00	0.00	0.000	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.00	0.0002	0.01	0.0016	0.00179	0.00	0.00	0.002	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.0001	0.00	0.0004	0.00047	0.00	0.00	0.001	0.077	0.77
PFOS	Rapid Creek Estuary	0.02	0.00	0.00	0.0003	0.02	0.0022	0.00246	0.00	0.00	0.003	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.0001	0.00	0.0002	0.00031	0.00	0.00	0.000	0.077	0.77
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.0001	0.00	0.0004	0.00044	0.00	0.00	0.001	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.0001	0.00	0.0002	0.00026	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Australasian Darter

Food Ingestion Rate - ww 0.1800000 kg ww/kg bw/day
 Water Ingestion Rate 0.0430000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.00	0.00	1.00	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern		Sediment	Water	Fish	Fish	Food	Sediment	Water	Total	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOS	Ludmilla Creek	0.02	0.00	0.05	0.00925	0.00925	0.00	0.00	0.009	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00006	0.00006	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Freshwater	0.18	0.00	0.76	0.13756	0.13756	0.00	0.00	0.138	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00009	0.00009	0.00	0.00	0.000	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.03	0.00465	0.00465	0.00	0.00	0.005	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00006	0.00006	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Estuary	0.02	0.00	0.03	0.00523	0.00523	0.00	0.00	0.005	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00009	0.00009	0.00	0.00	0.000	0.077	0.77
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.00031	0.00031	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00009	0.00009	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Little Black Cormorant

Food Ingestion Rate - ww 0.3000000 kg ww/kg bw/day
 Water Ingestion Rate 0.0730000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.25	0.00	0.75	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Fish Concentration (mg/kg)	Fish Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Ludmilla Creek	0.02	0.00	0.01	0.0011	0.05	0.0116	0.01262	0.00	0.00	0.013	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.0003	0.00	0.0001	0.00041	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Freshwater	0.18	0.00	0.08	0.0059	0.76	0.1719	0.17780	0.00	0.00	0.178	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.0001	0.00	0.0001	0.00021	0.00	0.00	0.000	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.01	0.0011	0.03	0.0058	0.00689	0.00	0.00	0.007	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.0003	0.00	0.0001	0.00035	0.00	0.00	0.000	0.077	0.77
PFOS	Rapid Creek Estuary	0.02	0.00	0.02	0.0015	0.03	0.0065	0.00799	0.00	0.00	0.008	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.0002	0.00	0.0001	0.00028	0.00	0.00	0.000	0.077	0.77
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.0002	0.00	0.0004	0.00062	0.00	0.00	0.001	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.0001	0.00	0.0001	0.00024	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Little Pied Cormorant

Food Ingestion Rate - ww 0.3000000 kg ww/kg bw/day
 Water Ingestion Rate 0.0750000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.33	0.33	0.00	0.33	0.00	0.00	0.01

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Plant	Plant	Invertebrate	Invertebrate	Fish	Fish	Food	Sediment	Water	Total	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOA	Ludmilla Creek	0.02	0.00	0.00	0.00040	0.01	0.00140	0.05	0.00509	0.00688	0.00	0.00	0.007	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00005	0.00	0.00044	0.00	0.00003	0.00052	0.00	0.00	0.001	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.01	0.00129	0.08	0.00772	0.76	0.07566	0.08466	0.00	0.00	0.085	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00005	0.00	0.00013	0.00	0.00005	0.00023	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.00	0.00013	0.01	0.00143	0.03	0.00256	0.00411	0.00	0.00	0.004	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00005	0.00	0.00036	0.00	0.00003	0.00044	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.00	0.00022	0.02	0.00192	0.03	0.00288	0.00501	0.00	0.00	0.005	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00005	0.00	0.00021	0.00	0.00005	0.00031	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00007	0.00	0.00031	0.00	0.00017	0.00055	0.00	0.00	0.001	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00005	0.00	0.00017	0.00	0.00005	0.00027	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black-necked Stork

Food Ingestion Rate - ww 0.1600000 kg ww/kg bw/day
 Water Ingestion Rate 0.0370000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.33	0.33	0.33	0.00	0.00	0.01

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Invertebrate	Invertebrate	Reptile/Amphibian	Reptile/Amphibian	Fish	Fish	Food	Sediment	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	(mg/kg-bw/day)
PFOA	Ludmilla Creek	0.02	0.00	0.01	0.00075	0.03	0.00167	0.05	0.00271	0.00513	0.00	0.00	0.005	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00023	0.00	0.00003	0.00	0.00002	0.00028	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.08	0.00412	2.26	0.11943	0.76	0.04035	0.16390	0.00	0.00	0.164	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00007	0.00	0.00003	0.00	0.00003	0.00012	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.01	0.00076	0.02	0.00117	0.03	0.00136	0.00329	0.00	0.00	0.003	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00019	0.00	0.00003	0.00	0.00002	0.00023	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.02	0.00102	0.02	0.00109	0.03	0.00153	0.00365	0.00	0.00	0.004	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00011	0.00	0.00003	0.00	0.00003	0.00017	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00016	0.02	0.00127	0.00	0.00009	0.00152	0.00	0.00	0.002	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00009	0.00	0.00003	0.00	0.00003	0.00014	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Large-footed Myotis

Food Ingestion Rate - ww

0.4300000 kg ww/kg bw/day

Water Ingestion Rate

0.1510000 L/kg bw/day

Area Use Factor

1.0000000

	Plants	Invertebrates	Reptiles/Amphibi	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.50	0.00	0.50	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Invertebrate	Invertebrate	Fish	Fish	Food	Sediment	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOS	Ludmilla Creek	0.02	0.00	0.01	0.0030	0.05	0.0111	0.01409	0.00	0.00	0.015	0.10	0.40
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.0009	0.00	0.0001	0.00102	0.00	0.00	0.001	0.10	0.40
PFOS	Rapid Creek Freshwater	0.18	0.00	0.08	0.0168	0.76	0.1643	0.18107	0.00	0.00	0.181	0.10	0.40
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.0003	0.00	0.0001	0.00039	0.00	0.00	0.000	0.10	0.40
PFOS	All - Estuarine	0.02	0.00	0.01	0.0031	0.03	0.0055	0.00865	0.00	0.00	0.009	0.10	0.40
PFOA	All - Estuarine	0.01	0.00	0.00	0.0008	0.00	0.0001	0.00085	0.00	0.00	0.001	0.10	0.40
PFOS	Rapid Creek Estuary	0.02	0.00	0.02	0.0042	0.03	0.0062	0.01041	0.00	0.00	0.010	0.10	0.40
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.0005	0.00	0.0001	0.00057	0.00	0.00	0.001	0.10	0.40
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.0007	0.00	0.0004	0.00104	0.00	0.00	0.001	0.10	0.40
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.0004	0.00	0.0001	0.00048	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Gray's Water Snake

Food Ingestion Rate - ww 0.0200000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.40	0.00	0.50	0.00	0.00	0.10

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Invertebrate	Invertebrate	Fish	Fish	Food	Sediment	Water	Total	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOA	Ludmilla Creek	0.02	0.00	0.01	0.00011	0.05	0.00051	0.00063	0.00	0.00	0.001	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00004	0.00	0.00000	0.00004	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.08	0.00062	0.76	0.00764	0.00827	0.00	0.00	0.009	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00001	0.00	0.00001	0.00002	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.01	0.00012	0.03	0.00026	0.00037	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00003	0.00	0.00000	0.00003	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.02	0.00016	0.03	0.00029	0.00045	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00002	0.00	0.00001	0.00002	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00002	0.00	0.00002	0.00004	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00001	0.00	0.00001	0.00002	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Keelback Snake

Food Ingestion Rate - ww 0.0229000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibid	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.00	0.70	0.15	0.15	0.00	0.00

Maximum Concentrations

Ecological Contaminant	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Reptiles/Amphibians Concentration (mg/kg)	Reptiles/Amphibians Dose (mg/kg-bw/d)	Fish Concentration (mg/kg)	Fish Dose (mg/kg-bw/d)	Mammal Concentration (mg/kg)	Mammal Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOA	Ludmilla Creek	0.02	0.00	0.03	0.00051	0.05	0.00018	0.04	0.00013	0.00081	0.00	0.00	0.001	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	2.26	0.03626	0.76	0.00263	0.18	0.00063	0.03951	0.00	0.00	0.040	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.02	0.00035	0.03	0.00009	0.04	0.00013	0.00057	0.00	0.00	0.001	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.02	0.00033	0.03	0.00010	0.00	0.00002	0.00045	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.02	0.00038	0.00	0.00001	0.00	0.00002	0.00041	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Northern Snake-necked Turtle

Food Ingestion Rate - ww 0.0192000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.24	0.24	0.24	0.24	0.00	0.00	0.04

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Plant	Plant	Invertebrate	Invertebrate	Reptiles/Amphibians	Reptiles/Amphibians	Fish	Fish	Food	Sediment	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)		
PFOS	Ladnilla Creek	0.02	0.00	0.00	0.00002	0.01	0.00007	0.03	0.00015	0.05	0.00024	0.00047	0.00	0.00	0.00048	0.077	0.77
PFOA	Ladnilla Creek	0.01	0.00	0.00	0.00000	0.00	0.00002	0.00	0.00000	0.00	0.00000	0.00003	0.00	0.00	0.00003	0.077	0.77
PFOS	Rapid Creek Freshwater	0.18	0.00	0.01	0.00006	0.08	0.00036	2.26	0.01042	0.76	0.00352	0.01436	0.00	0.00	0.01450	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00000	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.00002	0.077	0.77
PFOS	All - Estuarine	0.02	0.00	0.00	0.00001	0.01	0.00007	0.02	0.00010	0.03	0.00012	0.00029	0.00	0.00	0.00031	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00000	0.00	0.00002	0.00	0.00000	0.00	0.00000	0.00002	0.00	0.00	0.00003	0.077	0.77
PFOS	Rapid Creek Estuary	0.02	0.00	0.00	0.00001	0.02	0.00009	0.02	0.00010	0.03	0.00013	0.00033	0.00	0.00	0.00034	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00000	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00002	0.00	0.00	0.00002	0.077	0.77
PFOS	Reichardt & Sadgroves	0.04	0.00	0.00	0.00000	0.00	0.00001	0.02	0.00011	0.00	0.00001	0.00014	0.00	0.00	0.00017	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00000	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.00002	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Northern Snapping Turtle

Food Ingestion Rate - ww 0.0182000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibi	Fish	Mammals	Birds	Soil
Diet (%)	0.80	0.05	0.00	0.05	0.05	0.00	0.05

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment	Water	Plant	Plant	Invertebrate	Invertebrate	Fish	Fish	Mammal	Mammal	Food	Sediment	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	(mg/kg-bw/day)
PFOA	Ludmilla Creek	0.02	0.00	0.00	0.00006	0.01	0.00001	0.05	0.00005	0.04	0.00003	0.00015	0.00	0.00	0.000	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.01	0.00019	0.08	0.00007	0.76	0.00070	0.18	0.00017	0.00112	0.00	0.00	0.001	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.00	0.00002	0.01	0.00001	0.03	0.00002	0.04	0.00003	0.00009	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.00	0.00003	0.02	0.00002	0.03	0.00003	0.00	0.00000	0.00008	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00002	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00001	0.00	0.00000	0.00	0.00000	0.00	0.00000	0.00001	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Northern Yellow-Faced Turtle

Food Ingestion Rate - ww 0.0192000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibia	Fish	Mammals	Birds	Soil
Diet (%)	0.55	0.39	0.00	0.00	0.00	0.00	0.06

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Sediment Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Sediment Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOA	Ludmilla Creek	0.02	0.00	0.00	0.00004	0.01	0.00011	0.00015	0.00	0.00	0.000	0.077	0.77
PFOA	Ludmilla Creek	0.01	0.00	0.00	0.00001	0.00	0.00003	0.00004	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Freshwater	0.18	0.00	0.01	0.00014	0.08	0.00058	0.00072	0.00	0.00	0.001	0.077	0.77
PFOA	Rapid Creek Freshwater	0.01	0.00	0.00	0.00001	0.00	0.00001	0.00002	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.02	0.00	0.00	0.00001	0.01	0.00011	0.00012	0.00	0.00	0.000	0.077	0.77
PFOA	All - Estuarine	0.01	0.00	0.00	0.00001	0.00	0.00003	0.00003	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.02	0.00	0.00	0.00002	0.02	0.00015	0.00017	0.00	0.00	0.000	0.077	0.77
PFOA	Rapid Creek Estuary	0.01	0.00	0.00	0.00001	0.00	0.00002	0.00002	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.04	0.00	0.00	0.00001	0.00	0.00002	0.00003	0.00	0.00	0.000	0.077	0.77
PFOA	Reichardt & Sadgroves	0.01	0.00	0.00	0.00001	0.00	0.00001	0.00002	0.00	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Sediment + Dose Water) x AUF

Food Dose= Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Sediment Dose = Sediment Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

TERRESTRIAL RECEPTOR MODELS

Darwin

Chemical	AEC	Soil Maximum Concentration (mg/kg)	Water Maximum Concentration (mg/L)	Terrestrial Invertebrate Concentration (mg/kg)	Terrestrial Plant Concentration (mg/kg)	Reptiles and Amphibians Concentration (mg/kg)	Fish Concentration (mg/kg)	Mammal Concentration (mg/kg)	Bird Concentration (mg/kg)
PFOS	Entire Area	2.385	0.000953	0.08876	0.00448	0.1942	0.2461	0.08517	5.280
PFOA	Entire Area	0.0319	0.000055	0.0009	0.0012	0.0005	0.00034	0.00052	0.0005
PFOS	Zone A	0.0188	0.002155	0.25	0.00713	2.262	0.7642	0.1832	7.200
PFOA	Zone A	0.0005	0.000059	0.0005	0.0005	0.0005	0.0005	0.00009	0.0005
PFOS	Zone B	2.999	0.001427	0.09987	0.0029	0.0207	0.02905	0.00498	0.017
PFOA	Zone B	0.0292	0.00024	0.0009	0.0012	0.0005	0.0005	0.00009	0.0005
PFOS	Zone C	1.59	0.000427	0.015	0.00503	0.03161	0.0514	0.0367	0.069
PFOA	Zone C	0.0473	0.000018	0.001	0.0005	0.0005	0.00034	0.00052	0.0005
PFOS	Zone D	3.223	0.000731	0.0038	0.0003	0.024	0.001727	0.08517	0.0079
PFOA	Zone D	0.0258	0.000021	0.0045	0.0005	0.0005	0.0005	0.00052	0.0005

Darwin

Rose-crowned Fruit Dove

Food Ingestion Rate - wet weight

0.4900000 kg ww/kg bw/day

Water Ingestion Rate

0.1240000 L/kg bw/day

Area Use Factor

1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.98	0.00	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Plant	Plant	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOS	Entire Area	2.385	0.000953	0.00448	0.00215	0.00215	0.02	0.00012	0.0256	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00058	0.00058	0.00	0.00001	0.0009	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.00713	0.00342	0.00342	0.00	0.00027	0.0039	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00024	0.00024	0.00	0.00001	0.0003	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.0029	0.00139	0.00139	0.03	0.00018	0.0310	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0012	0.00058	0.00058	0.00	0.00003	0.0009	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.00503	0.00242	0.00242	0.02	0.00005	0.0181	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.0005	0.00024	0.00024	0.00	0.00000	0.0007	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.0003	0.00014	0.00014	0.03	0.00009	0.0318	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0005	0.00024	0.00024	0.00	0.00000	0.0005	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Australasian Figbird

Food Ingestion Rate - wet weight 0.4600000 kg ww/kg bw/day

Water Ingestion Rate 0.1160000 L/kg bw/day

Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.74	0.24	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.08876	0.00980	0.00448	0.00152	0.01132	0.02	0.00	0.033	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.00010	0.0012	0.00041	0.00051	0.00	0.00	0.001	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.25	0.02760	0.00713	0.00243	0.03003	0.00	0.00	0.030	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00006	0.0005	0.00017	0.00023	0.00	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.09987	0.01103	0.0029	0.00099	0.01201	0.03	0.00	0.040	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.00010	0.0012	0.00041	0.00051	0.00	0.00	0.001	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.015	0.00166	0.00503	0.00171	0.00337	0.01	0.00	0.018	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.00011	0.0005	0.00017	0.00028	0.00	0.00	0.001	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.0038	0.00042	0.0003	0.00010	0.00052	0.03	0.00	0.030	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.00050	0.0005	0.00017	0.00067	0.00	0.00	0.001	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Maggie Goose

Food Ingestion Rate - wet weight 0.1900000 kg ww/kg bw/day
 Water Ingestion Rate 0.0470000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.900	0.000	0.000	0.000	0.000	0.000	0.100

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00077	0.00077	0.05	0.00	0.046	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00021	0.00021	0.00	0.00	0.001	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.00713	0.00122	0.00122	0.00	0.00	0.002	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00009	0.00009	0.00	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.0029	0.00050	0.00050	0.06	0.00	0.058	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0012	0.00021	0.00021	0.00	0.00	0.001	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.00503	0.00086	0.00086	0.03	0.00	0.031	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.0005	0.00009	0.00009	0.00	0.00	0.001	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.0003	0.00005	0.00005	0.06	0.00	0.061	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0005	0.00009	0.00009	0.00	0.00	0.001	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Bar-shouldered Dove

Food Ingestion Rate - wet weight 0.4500000 kg ww/kg bw/day
 Water Ingestion Rate 0.1160000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.900	0.000	0.000	0.000	0.000	0.000	0.100

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00181	0.00181	0.11	0.00	0.109	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00049	0.00049	0.00	0.00	0.002	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.00713	0.00289	0.00289	0.00	0.00	0.004	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00020	0.00020	0.00	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.0029	0.00117	0.00117	0.13	0.00	0.136	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0012	0.00049	0.00049	0.00	0.00	0.002	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.00503	0.00204	0.00204	0.07	0.00	0.074	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.0005	0.00020	0.00020	0.00	0.00	0.002	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.0003	0.00012	0.00012	0.15	0.00	0.145	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0005	0.00020	0.00020	0.00	0.00	0.001	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Plumed Whistling Duck

Food Ingestion Rate - wet weight 0.2400000 kg ww/kg bw/day
 Water Ingestion Rate 0.0590000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.900	0.000	0.000	0.000	0.000	0.000	0.100

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00097	0.00097	0.06	0.00	0.058	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00026	0.00026	0.00	0.00	0.001	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.00713	0.00154	0.00154	0.00	0.00	0.002	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00011	0.00011	0.00	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.0029	0.00063	0.00063	0.07	0.00	0.073	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0012	0.00026	0.00026	0.00	0.00	0.001	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.00503	0.00109	0.00109	0.04	0.00	0.039	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.0005	0.00011	0.00011	0.00	0.00	0.001	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.0003	0.00006	0.00006	0.08	0.00	0.077	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0005	0.00011	0.00011	0.00	0.00	0.001	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose= Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Pale Field Rat

Food Ingestion Rate - wet weight 0.2900000 kg ww/kg bw/day
 Water Ingestion Rate 0.1270000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.98	0.00	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00127	0.00127	0.01	0.00	0.015	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00034	0.00034	0.00	0.00	0.001	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.00713	0.00203	0.00203	0.00	0.00	0.002	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00014	0.00014	0.00	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.0029	0.00082	0.00082	0.02	0.00	0.018	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0012	0.00034	0.00034	0.00	0.00	0.001	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.00503	0.00143	0.00143	0.01	0.00	0.011	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.0005	0.00014	0.00014	0.00	0.00	0.000	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0003	0.00009	0.00009	0.02	0.00	0.019	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0005	0.00014	0.00014	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Agile Wallaby

Food Ingestion Rate - wet weight 0.1000000 kg ww/kg bw/day
 Water Ingestion Rate 0.0800000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.90	0.00	0.00	0.00	0.00	0.00	0.10

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00040	0.00040	0.02	0.00	0.024	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00011	0.00011	0.00	0.00	0.000	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.00713	0.00064	0.00064	0.00	0.00	0.001	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00005	0.00005	0.00	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.0029	0.00026	0.00026	0.03	0.00	0.030	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0012	0.00011	0.00011	0.00	0.00	0.000	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.00503	0.00045	0.00045	0.02	0.00	0.016	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.0005	0.00005	0.00005	0.00	0.00	0.001	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0003	0.00003	0.00003	0.03	0.00	0.032	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0005	0.00005	0.00005	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black Flying Fox

Food Ingestion Rate - wet weight 0.1800000 kg ww/kg bw/day
 Water Ingestion Rate 0.1030000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	1	0	0	0	0	0	0

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00081	0.00081	0.00	0.00	0.001	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00022	0.00022	0.00	0.00	0.000	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.00713	0.00128	0.00128	0.00	0.00	0.002	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00009	0.00009	0.00	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.0029	0.00052	0.00052	0.00	0.00	0.001	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0012	0.00022	0.00022	0.00	0.00	0.000	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.00503	0.00091	0.00091	0.00	0.00	0.001	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.0005	0.00009	0.00009	0.00	0.00	0.000	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0003	0.00005	0.00005	0.00	0.00	0.000	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0005	0.00009	0.00009	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black-footed Tree Rat

Food Ingestion Rate - wet weight 0.1700000 kg ww/kg bw/day
 Water Ingestion Rate 0.1010000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.98	0.00	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00075	0.00075	0.01	0.00	0.009	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00020	0.00020	0.00	0.00	0.000	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.00713	0.00119	0.00119	0.00	0.00	0.001	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00008	0.00008	0.00	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.0029	0.00048	0.00048	0.01	0.00	0.011	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0012	0.00020	0.00020	0.00	0.00	0.000	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.00503	0.00084	0.00084	0.01	0.00	0.006	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.0005	0.00008	0.00008	0.00	0.00	0.000	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0003	0.00005	0.00005	0.01	0.00	0.011	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0005	0.00008	0.00008	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Grassland Melomys

Food Ingestion Rate - wet weight 0.3200000 kg ww/kg bw/day
 Water Ingestion Rate 0.1320000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.98	0.00	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.00448	0.00140	0.00140	0.02	0.00	0.017	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0012	0.00038	0.00038	0.00	0.00	0.001	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.00713	0.00224	0.00224	0.00	0.00	0.003	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00016	0.00016	0.00	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.0029	0.00091	0.00091	0.02	0.00	0.020	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0012	0.00038	0.00038	0.00	0.00	0.001	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.00503	0.00158	0.00158	0.01	0.00	0.012	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.0005	0.00016	0.00016	0.00	0.00	0.000	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0003	0.00009	0.00009	0.02	0.00	0.021	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0005	0.00016	0.00016	0.00	0.00	0.000	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose= Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Masked Lapwing

Food Ingestion Rate - wet weight 0.3300000 kg ww/kg bw/day
 Water Ingestion Rate 0.0820000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.70	0.00	0.20	0.00	0.00	0.10

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Fish	Fish	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOA	Entire Area	2.385	0.000953	0.08876	0.0205	0.25	0.01624	0.03675	0.08	0.00	0.116	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.0002	0.00	0.00002	0.00025	0.00	0.00	0.001	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.0578	0.76	0.05044	0.10819	0.00	0.00	0.109	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.0001	0.00	0.00003	0.00015	0.00	0.00	0.000	0.077	0.77
PFOA	Zone B	2.999	0.001427	0.09987	0.0231	0.03	0.00192	0.02499	0.10	0.00	0.124	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.0002	0.00	0.00003	0.00024	0.00	0.00	0.001	0.077	0.77
PFOA	Zone C	1.59	0.000427	0.015	0.0035	0.05	0.00339	0.00686	0.05	0.00	0.059	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.0002	0.00	0.00002	0.00025	0.00	0.00	0.002	0.077	0.77
PFOA	Zone D	3.223	0.000731	0.0038	0.0009	0.00	0.00011	0.00099	0.11	0.00	0.107	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.0010	0.00	0.00003	0.00107	0.00	0.00	0.002	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Straw-necked Ibis

Food Ingestion Rate - wet weight 0.2300000 kg ww/kg bw/day
 Water Ingestion Rate 0.0570000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0	0.7	0	0.2	0	0	0.1

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration		Water Concentration		Invertebrate Concentration		Invertebrate Dose		Fish Concentration		Fish Dose		Food Dose		Soil Dose		Water Dose		Total Dose		NGAEL	LOAEL	
		(mg/kg)	(mg/L)	(mg/kg)	(mg/L)	(mg/kg bw/d)	(mg/kg)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)	(mg/kg bw/d)				
PFOS	Entire Area	2.385	0.000653	0.08876	0.0143	0.25	0.0113	0.0256	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Entire Area	0.0319	0.000055	0.0009	0.0001	0.00	0.0000	0.0002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone A	0.0188	0.002155	0.25	0.0403	0.76	0.0352	0.0754	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone A	0.0005	0.000059	0.0005	0.0001	0.00	0.0000	0.0001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone B	2.999	0.001427	0.09987	0.0161	0.03	0.0013	0.0174	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone B	0.0292	0.00024	0.0009	0.0001	0.00	0.0000	0.0002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone C	1.59	0.000617	0.015	0.0024	0.05	0.0024	0.0048	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone C	0.0473	0.000018	0.001	0.0002	0.00	0.0000	0.0002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone D	3.223	0.000731	0.0038	0.0006	0.00	0.0001	0.0007	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77
PFOS	Zone D	0.0258	0.000021	0.0045	0.0007	0.00	0.0000	0.0007	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.77

NA = Not Available

Ecotoxic Model Calculations

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF
 Food Dose = I (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))
 Soil Dose = Soil Concentration x Food Ingestion Rate (dw)
 Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black-faced Woodswallow

Food Ingestion Rate - wet weight 0.6800000 kg ww/kg bw/day
 Water Ingestion Rate 0.1780000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.20	0.80	0.00	0.00	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Plant	Plant	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (ng/kg)	Concentration (mg/L)	Concentration (ng/kg)	Dose (mg/kg-bw/d)	Concentration (ng/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOA	Entire Area	2.385	0.000953	0.08876	0.0483	0.00448	0.0006	0.04889	0.00	0.00	0.049	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.0005	0.0012	0.0002	0.00065	0.00	0.00	0.001	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.1360	0.00713	0.0010	0.13697	0.00	0.00	0.137	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.0003	0.0005	0.0001	0.00034	0.00	0.00	0.000	0.077	0.77
PFOA	Zone B	2.999	0.001427	0.09987	0.0543	0.0029	0.0004	0.05472	0.00	0.00	0.055	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.0005	0.0012	0.0002	0.00065	0.00	0.00	0.001	0.077	0.77
PFOA	Zone C	1.59	0.000427	0.015	0.0082	0.00503	0.0007	0.00884	0.00	0.00	0.009	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.0005	0.0005	0.0001	0.00061	0.00	0.00	0.001	0.077	0.77
PFOA	Zone D	3.223	0.000731	0.0038	0.0021	0.0003	0.0000	0.00211	0.00	0.00	0.002	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.0024	0.0005	0.0001	0.00252	0.00	0.00	0.003	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Short-beaked Echidna

Food Ingestion Rate - wet weight 0.1300000 kg ww/kg bw/day
 Water Ingestion Rate 0.0900000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.90	0.00	0.00	0.00	0.00	0.10

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.08876	0.01038	0.01038	0.03101	0.00	0.041	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0009	0.00011	0.00011	0.00041	0.00	0.001	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.25	0.02925	0.02925	0.00024	0.00	0.030	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00006	0.00006	0.00001	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.09987	0.01168	0.01168	0.03899	0.00	0.051	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0009	0.00011	0.00011	0.00038	0.00	0.001	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.015	0.00176	0.00176	0.02067	0.00	0.022	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.001	0.00012	0.00012	0.00061	0.00	0.001	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0038	0.00044	0.00044	0.04190	0.00	0.042	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0045	0.00053	0.00053	0.00034	0.00	0.001	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Common Rock-Rat

Food Ingestion Rate - wet weight 0.3800000 kg ww/kg bw/day
 Water Ingestion Rate 0.1430000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.45	0.45	-	-	-	-	0.10

Maximum Concentrations

Ecological Contaminant	AEC	Soil Concentration	Water Concentration	Invertebrate Concentration	Invertebrate Dose	Plant Concentration	Plant Dose	Food Dose	Soil Dose	Water Dose	Total Dose	NOAEL	LOAEL
of Concern		(mg/kg)	(mg/L)	(mg/kg)	(mg/kg-bw/d)	(mg/kg)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/day)	(mg/kg-bw/day)	(mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.08876	0.01518	0.00	0.00077	0.01594	0.09063	0.00	0.107	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0009	0.00015	0.00	0.00021	0.00036	0.00121	0.00	0.002	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.25	0.04275	0.01	0.00122	0.04397	0.00071	0.00	0.045	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00009	0.00	0.00009	0.00017	0.00002	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.09987	0.01708	0.00	0.00050	0.01757	0.11396	0.00	0.132	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0009	0.00015	0.00	0.00021	0.00036	0.00111	0.00	0.002	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.015	0.00257	0.01	0.00086	0.00343	0.06042	0.00	0.064	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.001	0.00017	0.00	0.00009	0.00026	0.00180	0.00	0.002	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.0038	0.00065	0.00	0.00005	0.00070	0.12247	0.00	0.123	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0045	0.00077	0.00	0.00009	0.00086	0.00098	0.00	0.002	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Northern Brown Bandicoot

Food Ingestion Rate - wet wt 0.1400000 kg ww/kg bw/day
 Water Ingestion Rate 0.0920000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.35	0.35	0.15	0.00	0.05	0.00	0.10

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Plant	Plant	Reptile/Amphibian	Reptile/Amphibian	Mammal	Mammal	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	(mg/kg-bw/day)
PFOA	Entire Area	0.0319	0.00055	0.0009	0.00004	0.00	0.00006	0.00	0.00001	0.00	0.00000	0.00012	0.00045	0.00	0.001	0.10	0.40
PFOA	Zone A	0.0188	0.002155	0.25	0.01225	0.01	0.00035	2.26	0.04750	0.18	0.00128	0.06138	0.00026	0.00	0.062	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.0005	0.00002	0.00	0.00002	0.00	0.00001	0.00	0.00000	0.00006	0.00001	0.00	0.000	0.10	0.40
PFOA	Zone B	2.999	0.001427	0.09987	0.00489	0.00	0.00014	0.02	0.00043	0.00	0.00003	0.00551	0.04199	0.00	0.048	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0009	0.00004	0.00	0.00006	0.00	0.00001	0.00	0.00000	0.00011	0.00041	0.00	0.001	0.10	0.40
PFOA	Zone C	1.59	0.000427	0.015	0.00074	0.01	0.00025	0.03	0.00066	0.04	0.00026	0.00190	0.02226	0.00	0.024	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.001	0.00005	0.00	0.00002	0.00	0.00001	0.00	0.00000	0.00009	0.00066	0.00	0.001	0.10	0.40
PFOA	Zone D	3.223	0.000731	0.0038	0.00019	0.00	0.00001	0.02	0.00050	0.09	0.00060	0.00130	0.04512	0.00	0.046	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0045	0.00022	0.00	0.00002	0.00	0.00001	0.00	0.00000	0.00026	0.00036	0.00	0.001	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Large Bent-winged Bat

Food Ingestion Rate - wet weight 0.5000000 kg ww/kg bw/day
 Water Ingestion Rate 0.1600000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.089	0.04438	0.04438	0.00000	0.00	0.045	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.001	0.00045	0.00045	0.00000	0.00	0.000	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.250	0.12500	0.12500	0.00000	0.00	0.125	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.001	0.00025	0.00025	0.00000	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.100	0.04994	0.04994	0.00000	0.00	0.050	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.001	0.00045	0.00045	0.00000	0.00	0.000	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.015	0.00750	0.00750	0.00000	0.00	0.008	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.001	0.00050	0.00050	0.00000	0.00	0.001	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.004	0.00190	0.00190	0.00000	0.00	0.002	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.005	0.00225	0.00225	0.00000	0.00	0.002	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Orange Leaf-nosed Bat

Food Ingestion Rate - wet weight 0.5200000 kg ww/kg bw/day
 Water Ingestion Rate 0.1640000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	1.00	0.00	0.00	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.09	0.04616	0.04616	0.00000	0.00	0.046	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.00	0.00047	0.00047	0.00000	0.00	0.000	0.10	0.40
PFOS	Zone A	0.0188	0.002155	0.25	0.13000	0.13000	0.00000	0.00	0.130	0.10	0.40
PFOA	Zone A	0.0005	0.000059	0.00	0.00026	0.00026	0.00000	0.00	0.000	0.10	0.40
PFOS	Zone B	2.999	0.001427	0.10	0.05193	0.05193	0.00000	0.00	0.052	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.00	0.00047	0.00047	0.00000	0.00	0.001	0.10	0.40
PFOS	Zone C	1.59	0.000427	0.02	0.00780	0.00780	0.00000	0.00	0.008	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.00	0.00052	0.00052	0.00000	0.00	0.001	0.10	0.40
PFOS	Zone D	3.223	0.000731	0.00	0.00198	0.00198	0.00000	0.00	0.002	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.00	0.00234	0.00234	0.00000	0.00	0.002	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Bynoe's Gecko

Food Ingestion Rate - wet weight 0.0240000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.98	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.09	0.00209	0.00209	0.00114	0.00	0.003	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.00	0.00002	0.00002	0.00002	0.00	0.000	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.25	0.00588	0.00588	0.00001	0.00	0.006	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.00	0.00001	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.10	0.00235	0.00235	0.00144	0.00	0.004	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.00	0.00002	0.00002	0.00001	0.00	0.000	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.02	0.00035	0.00035	0.00076	0.00	0.001	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.00	0.00002	0.00002	0.00002	0.00	0.000	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.00	0.00009	0.00009	0.00155	0.00	0.002	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.00	0.00011	0.00011	0.00001	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Gilbert's Dragon

Food Ingestion Rate - wet weight 0.0210000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.98	0.00	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.09	0.00183	0.00183	0.00100	0.00	0.003	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.00	0.00002	0.00002	0.00001	0.00	0.000	0.077	0.77
PFOS	Zone A	0.0188	0.002155	0.25	0.00515	0.00515	0.00001	0.00	0.005	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.00	0.00001	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.10	0.00206	0.00206	0.00126	0.00	0.003	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.00	0.00002	0.00002	0.00001	0.00	0.000	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.02	0.00031	0.00031	0.00067	0.00	0.001	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.00	0.00002	0.00002	0.00002	0.00	0.000	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.00	0.00008	0.00008	0.00135	0.00	0.001	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.00	0.00009	0.00009	0.00001	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Striped Rainbow Skink

Food Ingestion Rate - wet weight 0.0230000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.89	0.09	0.00	0.00	0.00	0.02

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Reptiles/Amphibians	Reptiles/Amphibians	Food	Soil	Water	Total	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)		
PFOA	Entire Area	0.0319	0.000055	0.00	0.00002	0.0005	0.0000	0.00002	0.00001	0.00	0.0000	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.00512	2.262	0.0047	0.00980	0.00001	0.00	0.0098	0.077	0.77
PFOA	Zone B	0.0005	0.000059	0.00	0.00001	0.0005	0.0000	0.00001	0.00000	0.00	0.0000	0.077	0.77
PFOA	Zone C	2.999	0.001427	0.10	0.00204	0.0207	0.0000	0.00209	0.00138	0.00	0.0035	0.077	0.77
PFOA	Zone D	0.0292	0.00024	0.00	0.00002	0.0005	0.0000	0.00002	0.00001	0.00	0.0000	0.077	0.77
PFOA	Entire Area	1.59	0.000427	0.02	0.00031	0.03161	0.0001	0.00037	0.00073	0.00	0.0011	0.077	0.77
PFOA	Zone A	0.0473	0.000018	0.00	0.00002	0.0005	0.0000	0.00002	0.00002	0.00	0.0000	0.077	0.77
PFOA	Zone B	3.223	0.000731	0.00	0.00008	0.024	0.0000	0.00013	0.00148	0.00	0.0016	0.077	0.77
PFOA	Zone C	0.0258	0.000021	0.00	0.00009	0.0005	0.0000	0.00009	0.00001	0.00	0.0001	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black-shouldered Kite

Food Ingestion Rate - wet weight 0.3500000 kg ww/kg bw/day

Water Ingestion Rate 0.0890000 L/kg bw/day

Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.10	0.00	0.00	0.90	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Mammals Concentration (mg/kg)	Mammals Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.09	0.00311	0.09	0.02683	0.02994	0.00000	0.00	0.030	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.00	0.00003	0.00	0.00016	0.00020	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.00875	0.18	0.05771	0.06646	0.00000	0.00	0.067	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.00	0.00002	0.00	0.00003	0.00005	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone B	2.999	0.001427	0.10	0.00350	0.00	0.00157	0.00506	0.00000	0.00	0.005	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.00	0.00003	0.00	0.00003	0.00006	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone C	1.59	0.000427	0.02	0.00053	0.04	0.01156	0.01209	0.00000	0.00	0.012	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.00	0.00004	0.00	0.00016	0.00020	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone D	3.223	0.000731	0.00	0.00013	0.09	0.02683	0.02696	0.00000	0.00	0.027	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.00	0.00016	0.00	0.00016	0.00032	0.00000	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Wedge-tailed Eagle

Food Ingestion Rate - wet weight 0.1600000 kg ww/kg bw/day
 Water Ingestion Rate 0.0370000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	ptiles/Amphibia	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.00	0.10	0.00	0.80	0.10	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Reptiles/Amphibians	Reptiles/Amphibians	Mammals	Mammals	Birds	Birds	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	(mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.194	0.003	0.09	0.0109	5.28	0.0845	0.09849	0.00000	0.00	0.099	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.001	0.000	0.00	0.0001	0.00	0.0000	0.00008	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone A	0.0188	0.002155	2.262	0.036	0.18	0.0234	7.20	0.1152	0.17484	0.00000	0.00	0.175	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.001	0.000	0.00	0.0000	0.00	0.0000	0.00003	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.021	0.000	0.00	0.0006	0.02	0.0003	0.00124	0.00000	0.00	0.001	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.001	0.000	0.00	0.0000	0.00	0.0000	0.00003	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.032	0.001	0.04	0.0047	0.07	0.0011	0.00631	0.00000	0.00	0.006	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.000	0.00	0.0001	0.00	0.0000	0.00008	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.024	0.000	0.09	0.0109	0.01	0.0001	0.01141	0.00000	0.00	0.011	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.001	0.000	0.00	0.0001	0.00	0.0000	0.00008	0.00000	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Whistling Kite

Food Ingestion Rate - wet weight 0.2600000 kg ww/kg bw/day
 Water Ingestion Rate 0.0640000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.25	0.00	0.25	0.25	0.25	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Fish	Fish	Mammals	Mammals	Birds	Birds	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	(mg/kg-bw/day)
PFOA	Entire Area	2.385	0.000953	0.08876	0.0058	0.2461	0.016	0.09	0.01	5.28	0.34	0.37050	0.00000	0.00	0.3706	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.0001	0.00034	0.000	0.00	0.00	0.00	0.00	0.00015	0.00000	0.00	0.0002	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.0163	0.7642	0.050	0.18	0.01	7.20	0.47	0.54583	0.00000	0.00	0.5460	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.0000	0.0005	0.000	0.00	0.00	0.00	0.00	0.00010	0.00000	0.00	0.0001	0.077	0.77
PFOA	Zone B	2.999	0.001427	0.09987	0.0065	0.02905	0.002	0.00	0.00	0.02	0.00	0.00981	0.00000	0.00	0.0099	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.0001	0.0005	0.000	0.00	0.00	0.00	0.00	0.00013	0.00000	0.00	0.0001	0.077	0.77
PFOA	Zone C	1.59	0.000427	0.015	0.0010	0.0514	0.003	0.04	0.00	0.07	0.00	0.01119	0.00000	0.00	0.0112	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.0001	0.00034	0.000	0.00	0.00	0.00	0.00	0.00015	0.00000	0.00	0.0002	0.077	0.77
PFOA	Zone D	3.223	0.000731	0.0038	0.0002	0.001727	0.000	0.09	0.01	0.01	0.00	0.00641	0.00000	0.00	0.0065	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.0003	0.0005	0.000	0.00	0.00	0.00	0.00	0.00039	0.00000	0.00	0.0004	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Black Kite

Food Ingestion Rate - wet weight 0.2800000 kg ww/kg bw/day
 Water Ingestion Rate 0.0680000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.33	0.33	0.00	0.34	0.00	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Reptiles/Amphibians	Reptiles/Amphibians	Mammals	Mammals	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)		
PFOs	Entire Area	2.385	0.000953	0.08876	0.0082	0.19	0.018	0.09	0.008	0.03425	0.00000	0.00	0.03	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.0001	0.00	0.000	0.00	0.000	0.00018	0.00000	0.00	0.00	0.077	0.77
PFOs	Zone A	0.0188	0.002155	0.25	0.0231	2.26	0.209	0.18	0.017	0.24955	0.00000	0.00	0.25	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.0000	0.00	0.000	0.00	0.000	0.00010	0.00000	0.00	0.00	0.077	0.77
PFOs	Zone B	2.999	0.001427	0.09987	0.0092	0.02	0.002	0.00	0.000	0.01161	0.00000	0.00	0.01	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.0001	0.00	0.000	0.00	0.000	0.00014	0.00000	0.00	0.00	0.077	0.77
PFOs	Zone C	1.59	0.000427	0.015	0.0014	0.03	0.003	0.04	0.003	0.00780	0.00000	0.00	0.01	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.0001	0.00	0.000	0.00	0.000	0.00019	0.00000	0.00	0.00	0.077	0.77
PFOs	Zone D	3.223	0.000731	0.0038	0.0004	0.02	0.002	0.09	0.008	0.01068	0.00000	0.00	0.01	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.0004	0.00	0.000	0.00	0.000	0.00051	0.00000	0.00	0.00	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = \sum (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Northern Quoll

Food Ingestion Rate - wet weight 0.2200000 kg ww/kg bw/day
 Water Ingestion Rate 0.1120000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.20	0.20	0.20	0.00	0.20	0.15	0.05

Maximum Concentrations

Ecological Contaminant	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Plant Concentration (mg/kg)	Plant Dose (mg/kg-bw/d)	Invertebrate Concentration (mg/kg)	Invertebrate Dose (mg/kg-bw/d)	Reptiles/Amphibians Concentration (mg/kg)	Reptiles/Amphibians Dose (mg/kg-bw/d)	Mammals Concentration (mg/kg)	Mammals Dose (mg/kg-bw/d)	Birds Concentration (mg/kg)	Birds Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOA Entire Area	0.0319	0.000055	0.0012	0.00005	0.00004	0.0009	0.00004	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.00015	0.00035	0.00	0.00	0.10	0.40
PFOA Zone A	0.0188	0.002155	0.00713	0.00031	0.25	0.0100	0.0100	2.262	0.0995	0.18	0.0081	7.20	0.2376	0.35650	0.00021	0.00	0.36	0.10	0.40
PFOA Zone B	2.999	0.001427	0.0029	0.0013	0.09987	0.00439	0.0207	0.0009	0.0002	0.02	0.0006	0.00521	0.03299	0.00	0.04	0.00	0.04	0.10	0.40
PFOA Zone C	1.59	0.000427	0.00503	0.00022	0.015	0.00066	0.03161	0.0014	0.04	0.0016	0.07	0.0023	0.00616	0.01749	0.00	0.02	0.10	0.40	
PFOA Zone D	3.223	0.000731	0.0003	0.00001	0.0038	0.00017	0.024	0.0011	0.09	0.0037	0.01	0.0003	0.00524	0.03545	0.00	0.04	0.10	0.40	
PFOA Zone E	0.0258	0.000021	0.0005	0.00002	0.0045	0.00020	0.0005	0.0000	0.00	0.0000	0.00	0.0000	0.00028	0.00028	0.00	0.00	0.10	0.40	

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF
 Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))
 Soil Dose = Soil Concentration x Food Ingestion Rate (dw)
 Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Dingo

Food Ingestion Rate - wet weight 0.0900000 kg ww/kg bw/day
 Water Ingestion Rate 0.0770000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.10	0.09	0.00	0.75	0.05	0.01

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Invertebrate	Invertebrate	Reptiles/Amphibians	Reptiles/Amphibians	Mammals	Mammals	Birds	Birds	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)		
PFOA	Entire Area	2.385	0.000953	0.08876	0.00080	0.19	0.0016	0.09	0.0057	5.28	0.024	0.03188	0.00215	0.00	0.03	0.10	0.40
PFOA	Entire Area	0.0319	0.000055	0.0009	0.00001	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00005	0.00003	0.00	0.00	0.10	0.40
PFOA	Zone A	0.0188	0.002155	0.25	0.00225	2.26	0.0183	0.18	0.0124	7.29	0.032	0.06534	0.00002	0.00	0.07	0.10	0.40
PFOA	Zone A	0.0005	0.000039	0.0005	0.00000	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00002	0.00000	0.00	0.00	0.10	0.40
PFOA	Zone B	2.999	0.001427	0.09987	0.00090	0.02	0.0002	0.00	0.0003	0.02	0.000	0.00148	0.00270	0.00	0.00	0.10	0.40
PFOA	Zone B	0.0292	0.00024	0.0009	0.00001	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00002	0.00003	0.00	0.00	0.10	0.40
PFOA	Zone C	1.59	0.000427	0.015	0.00014	0.03	0.0003	0.04	0.0025	0.07	0.000	0.00318	0.00143	0.00	0.00	0.10	0.40
PFOA	Zone C	0.0473	0.000018	0.001	0.00001	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00005	0.00004	0.00	0.00	0.10	0.40
PFOA	Zone D	3.223	0.000731	0.0038	0.00003	0.02	0.0002	0.09	0.0057	0.01	0.000	0.00601	0.00290	0.00	0.01	0.10	0.40
PFOA	Zone D	0.0258	0.000021	0.0045	0.00004	0.00	0.0000	0.00	0.0000	0.00	0.000	0.00008	0.00002	0.00	0.00	0.10	0.40

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Floodplain Monitor

Food Ingestion Rate - wet weight 0.0200000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.75	0.25	0.00	0.00	0.00	0.00

Maximum Concentrations

Ecological Contaminant	AEC	Soil Concentration	Water Concentration	Invertebrate Concentration	Invertebrate Dose	Reptiles/Amphibians Concentration	Reptiles/Amphibians Dose	Food Dose	Soil Dose	Water Dose	Total Dose	NOAEL	LOAEL
of Concern		(mg/kg)	(mg/L)	(mg/kg)	(mg/kg-bw/d)	(mg/kg)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/d)	(mg/kg-bw/day)	(mg/kg-bw/day)	(mg/kg-bw/day)
PFOA	Entire Area	2.385	0.000953	0.08876	0.00133	0.19	0.00097	0.00230	0.00000	0.00	0.002	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.0009	0.00001	0.00	0.00000	0.00002	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone A	0.0188	0.002155	0.25	0.00375	2.26	0.01131	0.01506	0.00000	0.00	0.015	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.0005	0.00001	0.00	0.00000	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone B	2.999	0.001427	0.09987	0.00150	0.02	0.00010	0.00160	0.00000	0.00	0.002	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.0009	0.00001	0.00	0.00000	0.00002	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone C	1.59	0.000427	0.015	0.00023	0.03	0.00016	0.00038	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.001	0.00002	0.00	0.00000	0.00002	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone D	3.223	0.000731	0.0038	0.00006	0.02	0.00012	0.00018	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.0045	0.00007	0.00	0.00000	0.00007	0.00000	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Olive Python

Food Ingestion Rate - wet weight 0.0180000 kg ww/kg bw/day
 Water Ingestion Rate 0.0001000 L/kg bw/day
 Area Use Factor 1.0000000

	Plants	Invertebrates	ptiles/Amphibia	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.00	0.33	0.00	0.33	0.34	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil	Water	Reptiles/Amphibians	Reptiles/Amphibians	Mammals	Mammals	Birds	Birds	Food	Soil	Water	Total	NOAEL	LOAEL
		Concentration (mg/kg)	Concentration (mg/L)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Concentration (mg/kg)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/d)	Dose (mg/kg-bw/day)	Dose (mg/kg-bw/day)		
PPOS	Entire Area	2.385	0.000953	0.19	0.0012	0.09	0.00051	5.28	0.032	0.03397	0.00000	0.00	0.034	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.00	0.0000	0.00	0.00000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PPOS	Zone A	0.0188	0.002155	2.26	0.0134	0.18	0.00109	7.20	0.044	0.05859	0.00000	0.00	0.059	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.00	0.0000	0.00	0.00000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PPOS	Zone B	2.999	0.001427	0.02	0.0001	0.00	0.00003	0.02	0.000	0.00026	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone B	0.0292	0.000024	0.00	0.0000	0.00	0.00000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PPOS	Zone C	1.59	0.000427	0.03	0.0002	0.04	0.00022	0.07	0.000	0.00083	0.00000	0.00	0.001	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.00	0.0000	0.00	0.00000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PPOS	Zone D	3.223	0.000731	0.02	0.0001	0.09	0.00051	0.01	0.000	0.00070	0.00000	0.00	0.001	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.00	0.0000	0.00	0.00000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate

Darwin

Brown Tree Snake

Food Ingestion Rate - wet weight 0.0200000 kg ww/kg bw/day

Water Ingestion Rate 0.0001000 L/kg bw/day

Area Use Factor 1.0000000

	Plants	Invertebrates	Reptiles/Amphibians	Fish	Mammals	Birds	Soil
Diet (%)	0.00	0.00	0.50	0.00	0.00	0.50	0.00

Maximum Concentrations

Ecological Contaminant of Concern	AEC	Soil Concentration (mg/kg)	Water Concentration (mg/L)	Reptiles/Amphibians Concentration (mg/kg)	Reptiles/Amphibians Dose (mg/kg-bw/d)	Birds Concentration (mg/kg)	Birds Dose (mg/kg-bw/d)	Food Dose (mg/kg-bw/d)	Soil Dose (mg/kg-bw/d)	Water Dose (mg/kg-bw/d)	Total Dose (mg/kg-bw/day)	NOAEL (mg/kg-bw/day)	LOAEL (mg/kg-bw/day)
PFOS	Entire Area	2.385	0.000953	0.19	0.0019	5.28	0.053	0.05474	0.00000	0.00	0.055	0.077	0.77
PFOA	Entire Area	0.0319	0.000055	0.00	0.0000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone A	0.0188	0.002155	2.26	0.0226	7.20	0.072	0.09462	0.00000	0.00	0.095	0.077	0.77
PFOA	Zone A	0.0005	0.000059	0.00	0.0000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone B	2.999	0.001427	0.02	0.0002	0.02	0.000	0.00038	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone B	0.0292	0.00024	0.00	0.0000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone C	1.59	0.000427	0.03	0.0003	0.07	0.001	0.00101	0.00000	0.00	0.001	0.077	0.77
PFOA	Zone C	0.0473	0.000018	0.00	0.0000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77
PFOS	Zone D	3.223	0.000731	0.02	0.0002	0.01	0.000	0.00032	0.00000	0.00	0.000	0.077	0.77
PFOA	Zone D	0.0258	0.000021	0.00	0.0000	0.00	0.000	0.00001	0.00000	0.00	0.000	0.077	0.77

NA = Not Available

Foodweb Model Calculations:

Total Dose = (Dose Food + Dose Soil + Dose Water) x AUF

Food Dose = Σ (Food Concentration of Each Contaminated Food Item x Food Ingestion Rate (ww))

Soil Dose = Soil Concentration x Food Ingestion Rate (dw)

Water Dose = Water Concentration x Water Ingestion Rate