Table 1 provides a summary of the EPA monitoring points for the Rangers Valley Feedlot. This table has been reproduced from Section 2 of Environmental Protection Licence No. 3864. Click on the EPA number to view the monitoring results collected (if available).

Table 1: Summary of EPA Monitoring Points

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 2	Surface water quality monitoring		Surface water monitoring point (S2) at Cam Creek causeway on Deepwater Road at "Nant Park" labelled as EPA Point 2 on map titled Environmental Monitoring Points - Location of Surface Water Monitoring points dated 1 st May 2007. See Fig 1 - 250832A1/10.
EPA Monitoring Point 3	Surface water quality monitoring		Surface water monitoring point (S3) at grassed waterway in Old 2 paddock labelled as EPA Point 3 on map titled Environmental Monitoring Points - Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.
EPA Monitoring Point 4	Surface water quality monitoring		Surface water monitoring point (S4) at Cam Creek bridge on Rangers Valley Road labelled as EPA Point 4 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.
EPA Monitoring Point 5	Surface water quality monitoring		Surface water monitoring point (S5) at Severn River Bridge on the Yarraford Road labelled as EPA Point 5 on map titled Environmental Monitoring Points - Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.
EPA Monitoring Point 6	Surface water quality monitoring		Surface water monitoring point (S6) at Severn River Bridge on the Emmaville Road labelled as EPA Point 6 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 7	Surface water quality monitoring		Surface water monitoring point (S7) at Beardy Waters causeway on the Haul Rd (2 nd causeway) - upstream of confluence with Severn River, labelled as EPA Point 7 on map titled Env MP -Location of Surface Water MP dated 1st May 2007. (Fig 1).
EPA Monitoring Point 8	Surface water quality monitoring		Surface water monitoring point (S8) at Severn River causeway on the Haul Road (first causeway) labelled as EPA Point 8 on map titled Environmental Monitoring Points - Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.
10	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal pond and spillway servicing Pivot 3A and 3B including pump labelled as EPA Point 10 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 250832A1/10.
EPA Monitoring Point 11	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Final effluent holding pond (on eastern side of the feedlot, known as E2) including spillway and irrigation pumps labelled as EPA Point 11 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2. 250832A1/10.
13	Wet weather discharge. Discharge quality monitoring.	Wet weather discharge. Discharge quality monitoring	Spillway for effluent holding pond known as W2 (on western side of feedlot) labelled as EPA Point 13 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 250832A1/10.
14	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal pond and spillway servicing Pivot 1 and located in the paddock Bottom Swamp including pump labelled as EPA Point 14 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. see Fig 2 250832A1/10.

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 20	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent holding pond (on western side of feedlot, known as W4) including spillway and irrigation pump labelled as EPA Point 20 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. see Fig 2 250832A1/10.
22	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal pond and spillway servicing Rye East and Rye West known as W5 including pump labelled as EPA Point 22 on map titled Env MPs-Location of Effluent MP dated 1 st May 2007. see Fig 2 250832A1/10.
EPA Monitoring Point 24	Manure quality monitoring. Mass monitoring.		Manure stockpile and composting area containing screened and unscreened manure and labelled as EPA Point 24 on map titled Env MPs-Location of Effluent MP dated 1 st May 2007. see Fig 2 250832A1/10.
EPA Monitoring Point 26	Discharge quality monitoring.		Dam located in the bottom corner of "Washpool Road" (13) paddock labelled as EPA Point 26 on map titled Env MPs-Location of Effluent MP dated 1 st May 2007. see Fig 2 250832A1/10.
EPA Monitoring Point 27	Soil quality monitoring. Mass monitoring.		Effluent utilisation area known as Pivot 1 labelled as EPA Point 27 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.
EPA Monitoring Point 28	Soil quality monitoring. Mass monitoring.		Effluent utilisation area known as Pivot 3A labelled as EPA Point 28 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.
EPA Monitoring Point 29	Soil quality monitoring. Mass monitoring.		Effluent utilisation area known as Pivot 3B labelled as EPA Point 29 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.
EPA Monitoring Point 30	Soil quality monitoring. Mass monitoring.		Effluent utilisation area known as Rye East labelled as EPA Point 30 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 31	Soil quality monitoring. Mass monitoring.		Effluent utilisation area known as Rye West labelled as EPA Point 31 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.
EPA Monitoring Point 34	Groundwater quality monitoring.		Groundwater monitoring bore (34 located in corner paddock) labelled as EPA Point 34 on map titled Env MP-Location of piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 35	Groundwater quality monitoring.		Groundwater monitoring bore (35 located in the laneway north of Rye East paddock) labelled as EPA Point 35 on map titled Env MP-Location of piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 36	Groundwater quality monitoring.		Groundwater monitoring bore (36 located between ponds W3 and W4) labelled as EPA Point 36 on map titled Env MP-Location of piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 38	Groundwater quality monitoring.		Groundwater monitoring bore (38 located on eastern point of effluent pond E2) labelled as EPA Point 38 on map titled Env MP-Location of piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 40	Groundwater quality monitoring.		Groundwater monitoring bore (40 located on adjoining fence line between Pivot 3A/3B) on map titled Env MP-Location of piezometer MP dated 1st May 2007. see Fig 3
EPA Monitoring Point 41	Groundwater quality monitoring.		Groundwater monitoring bore (41 below EPA point 14 in paddock Bottom Swamp) labelled as EPA Point 41 on map titled Env MPLocation of piezometer MP dated 1st May 2007. see Fig 3
EPA Monitoring Point 42	Groundwater quality monitoring.		Groundwater monitoring bore (42 located in laneway between Pivot 1 and effluent pond E2) labelled as EPA Point 42 on map titled Env MP-Location of piezometer MP dated 1 st May 2007. see Fig 3

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 43	Soil quality monitoring. Mass monitoring		Utilisation area identified as the 'solid utilisation areas as identified on drawing No 19045-05 as quoted in the consent conditions' on map titled "Map 1 - Rangers Valley Cattle Station" submitted with a letter to the EPA on 25 October 2006.
EPA Monitoring Point 44	Groundwater quality monitoring.		Groundwater monitoring bore (44 located in the north eastern grassed area of the paddock known as Old 2) labelled as EPA point 44 on map titled Env MP-Location of Peizometer MP dated 1 st May 2007. see Fig 3. 250832A1/10.
EPA Monitoring Point 45	Groundwater quality monitoring.		Groundwater monitoring bore (45 located on eastern boundary of the paddock known as "Donnellys Elect" labelled as EPA point 45 on map Titled Env MP location of Piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 46	Groundwater quality monitoring.		Groundwater monitoring bore (46 located in paddock known as "Oaks Road") labelled as EPA point 46 on map Titled Env MP-location of Piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 47	Groundwater quality monitoring.		Groundwater monitoring bore (47 located in paddock known as Horse" labelled as EPA point 47 on map Titled Env MP-location of Piezometer MP dated 1 st May 2007. see Fig 3
48	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal Pond One and spillway servicing Pivot 2c located in the paddock known as Spillway including pump labelled as EPA Point 48 on map Titled Environmental Monitoring Points-location of Effluent MP dated 1 st May 2007. see Fig 2

EPA No.	Type of monitoring point	Type of discharge point	Description of location
49	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal Pond Two and spillway servicing Pivot 2B and located in paddock known as Pivot 2B including pump labelled as EPA Point 49 on map Titled Env MP-location of Effluent MP dated 1 st May 2007. see Fig 2
50	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Effluent quality and volume monitoring. Wet weather discharge. Discharge quality monitoring. Discharge to utilisation area.	Terminal Pond 3 and spillway servicing Pivot 2B and 2C located in the paddock known as "wally's" including pump labelled as EPA Point 50 on map Titled Env MP-location of Effluent MP dated 1 st May 2007. Fig 2
EPA Monitoring Point 51	Soil quality monitoring. Mass monitoring		Effluent utilisation area known as Pivot 2B labelled as EPA Pont 51 on map titled "Rangers Valley Cattle Station" Site Plan date 30.07.03
EPA Monitoring Point 52	Soil quality monitoring. Mass monitoring		Effluent utilisation known as Pivot 2C labelled as EPA Point 52 on map titled "Rangers Valley Cattle Station Site Plan date 30.07.03
EPA Monitoring Point 53	Groundwater quality monitoring.		Groundwater monitoring bore (53 located west of Terminal Pond 1 in the paddock known as spillway) labelled as EPA point 53 on map Titled Env MP-location of Piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 54	Groundwater quality monitoring.		Groundwater monitoring bore (54 located north of Terminal Pond Two in the paddock known as Pivot 2b) labelled as EPA point 54 on map Titled Env MP location of Piezometer MP dated 1 st May 2007. see Fig 3
EPA Monitoring Point 55	Groundwater quality monitoring.		Groundwater monitoring bore (55 located south of Terminal Pond Three in the paddock known as Wallys) labelled as EPA point 55 on map Titled Env MP-location of Piezometer MP dated 1 st May 2007. see Fig 3

EPA No.	Type of monitoring point	Type of discharge point	Description of location
EPA Monitoring Point 56	Groundwater quality monitoring.		Groundwater monitoring bore (56 located south of the northern holding pond N1 in the paddock known as Irrigation 1) labelled as EPA point 56 on map titled Env MP dated 1 st May 2007. see Fig 3. 250832A1/10
EPA Monitoring Point 57	Effluent Quality and Volume monitoring. Discharge to utilisation area.		Effluent holding pond (known as N1) irrigation pump labelled as EPA point 57 on map titled Env MP-Location of Effluent MP dated 1 st May 2007. see Fig 2. 250832A1/10.

Surface water monitoring point (S2) at Cam Creek causeway on Deepwater Road at "Nant Park" labelled as EPA Point 2 on map titled Environmental Monitoring Points - Location of Surface Water Monitoring points dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 2)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	49			99	
Nitrate	mg/L	<1.0			<1.0	
Total Kjeldahl Nitrogen	mg/L	6			<1	
pH	-	7.77			7.58	
Conductivity	μS/cm	631			1050	
SAR	-	2			2	
Phosphorus (Reactive)	mg/L	<0.1	DRY	DRY	<0.1	DRY
Nitrogen (Total)	mg/L	6			<1	
Suspended Solids	mg/L	14			<10	
Calcium	mg/L	40			58	
Potassium	mg/L	3			5	
Magnesium	mg/L	30			43	
Sodium	mg/L	60			94	
Phosphorus (Total)	mg/L	<1			7	
Nitrogen (Ammonia)	mg/L	<0.1			0.4	

^{*} Collected during pond overflow event.

Surface water monitoring point (S3) at grassed waterway in Old 2 paddock labelled as EPA Point 3 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 3)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	43				
Nitrate	mg/L	<1.0				
Total Kjeldahl Nitrogen	mg/L	20				
pН	-	7.38				
Conductivity	μS/cm	632				
SAR	-	<1				
Phosphorus (Reactive)	mg/L	<0.1	DRY	DRY	DRY	DRY
Nitrogen (Total)	mg/L	20				
Suspended Solids	mg/L	1120				
Calcium	mg/L	20				
Potassium	mg/L	100				
Magnesium	mg/L	16				
Sodium	mg/L	15				
Phosphorus (Total)	mg/L	2				
Nitrogen (Ammonia)	mg/L	33				

^{*} Collected during pond overflow event.

Surface water monitoring point (S4) at Cam Creek bridge on Rangers Valley Road labelled as EPA Point 4 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 4)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	80	130		130	92
Nitrate	mg/L	<1.0	<1.0		<1.0	<1.0
Total Kjeldahl Nitrogen	mg/L	6	6		<1	<1
pН	-	7.81	7.42		7.68	8.23
Conductivity	μS/cm	730	732		907	918
SAR	-	2	3		2	2
Phosphorus (Reactive)	mg/L	<0.1	<1.0	DRY	<0.1	0.2
Nitrogen (Total)	mg/L	7	6		1	2
Suspended Solids	mg/L	15	11		19	<10
Calcium	mg/L	45	24		50	52
Potassium	mg/L	7	7		20	10
Magnesium	mg/L	32	32		37	41
Sodium	mg/L	72	88		89	98
Phosphorus (Total)	mg/L	<1	<1		<1	<1
Nitrogen (Ammonia)	mg/L	<0.1	0.2		0.4	0.2

^{*} Collected during pond overflow event.

Surface water monitoring point (S5) at Severn River Bridge on the Yarraford Road labelled as EPA Point 5 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 5)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	4-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	21	32	31	29	40
Nitrate	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen	mg/L	7	<1	<1	<1	<1
pН	-	7.60	7.64	9.11	7.98	7.88
Conductivity	μS/cm	161	263	477	316	289
SAR	-	1	1	2	2	2
Phosphorus (Reactive)	mg/L	<0.1	<1.0	<1.0	<0.1	<0.1
Nitrogen (Total)	mg/L	7	<1	<1	<1	<1
Suspended Solids	mg/L	<10	11	10	<10	<10
Calcium	mg/L	8	9	24	13	13
Potassium	mg/L	2	3	5	3	3
Magnesium	mg/L	6	11	25	10	10
Sodium	mg/L	18	21	66	31	32
Phosphorus (Total)	mg/L	<1	<1	<1	<1	<1
Nitrogen (Ammonia)	mg/L	<0.1	0.2	0.5	<0.1	<0.1

^{*} Collected during pond overflow event.

Surface water monitoring point (S6) at Severn River Bridge on the Emmaville Road labelled as EPA Point 6 on map titled Environmental Monitoring Points -Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 6)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	19	26	48	30	32
Nitrate	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen	mg/L	6	<1	<1	<1	<1
pН		8.20	8.35	9.1	8.17	8.35
Conductivity	μS/cm	322	427	454	404	438
SAR	-	<1	<1	1	1	1
Phosphorus (Reactive)	mg/L	<0.1	<1.0	<1.0	<0.1	<0.1
Nitrogen (Total)	mg/L	6	<1	<1	<1	<1
Suspended Solids	mg/L	<10	11	<10	<10	<10
Calcium	mg/L	23	19	21	24	24
Potassium	mg/L	2	3	4	4	3
Magnesium	mg/L	24	34	36	24	27
Sodium	mg/L	20	20	45	30	31
Phosphorus (Total)	mg/L	<1	<1	<1	<1	<1
Nitrogen (Ammonia)	mg/L	<0.1	0.2	9.1	<0.1	<0.1

^{*} Collected during pond overflow event.

Surface water monitoring point (S7) at Beardy Waters causeway on the Haul Rd (2nd causeway) - upstream of confluence with Severn River, labelled as EPA Point 7 on map titled Env MP -Location of Surface Water MP dated 1st May 2007. See Fig 1.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 7)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	18	9.9	23	22	14
Nitrate	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen	mg/L	6	<1	2	<1	<1
pН	-	8.45	8.62	7.47	8.49	8.51
Conductivity	μS/cm	389	361	440	416	412
SAR	-	<1	<1	<1	<1	<1
Phosphorus (Reactive)	mg/L	<0.1	<1.0	<1.0	<0.1	<0.1
Nitrogen (Total)	mg/L	6	<1	2	<1	<1
Suspended Solids	mg/L	<10	11	12	<10	<10
Calcium	mg/L	29	17	28	27	27
Potassium	mg/L	3	3	6	3	3
Magnesium	mg/L	35	32	43	33	32
Sodium	mg/L	18	15	29	23	22
Phosphorus (Total)	mg/L	<1	<1	<1	<1	<1
Nitrogen (Ammonia)	mg/L	<0.1	0.2	9.9	<0.1	<0.1

^{*} Collected during pond overflow event.

Surface water monitoring point (S8) at Severn River causeway on the Haul Road (first causeway) labelled as EPA Point 8 on map titled Environmental Monitoring Points - Location of Surface Water MP dated 1st May 2007. See Fig 1 - 250832A1/10.

SURFACE WATER ANALYSIS RESULTS (EPA POINT 8)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Chloride	mg/L	8.5	16	87	20	28
Nitrate	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Kjeldahl Nitrogen	mg/L	6	<1	1	<1	<1
pH	-	8.40	8.43	7.72	8.29	8.36
Conductivity	μS/cm	282	351	743	381	406
SAR	-	<1	<1	2	<1	<1
Phosphorus (Reactive)	mg/L	<0.1	<1.0	<1.0	<0.1	<0.1
Nitrogen (Total)	mg/L	6	<1	1	<1	<1
Suspended Solids	mg/L	<10	12	14	<10	<10
Calcium	mg/L	20	15	23	26	24
Potassium	mg/L	2	2	8	3	3
Magnesium	mg/L	22	29	53	29	27
Sodium	mg/L	19	16	95	24	26
Phosphorus (Total)	mg/L	<1	<1	<1	<1	<1
Nitrogen (Ammonia)	mg/L	<0.1	0.2	9.9	0.1	<0.1

^{*} Collected during pond overflow event.

Final effluent holding pond (on eastern side of the feedlot, known as E2) including spillway and irrigation pumps labelled as EPA Point 11 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 - 250832A1/10.

EFFLUENT ANALYSIS RESULTS (EPA POINT 11)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Oct-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (Ammonia)	mg/L	68	26		66	79
Chloride	mg/L	530	960		460	200
Nitrate	mg/L	<1.0	480		<1.0	<1.0
Phosphorus (Reactive)	mg/L	14	51		13	28
pH	-	7.99	7.97		7.56	7.20
Conductivity	μS/cm	3260	4960		3490	2240
SAR	-	3	3		2	2
Phosphorus (Total)	mg/L	59	88	DRY	39	34
Nitrogen (Total)	mg/L	28	422		68	84
TKN	mg/L	28	396		68	84
Suspended Solids	mg/L	350	11		163	117
Calcium	mg/L	65	71		153	86
Potassium	mg/L	687	1080		571	264
Magnesium	mg/L	72	120		130	69
Sodium	mg/L	140	200		160	83

^{*} Collected during pond overflow event.

Effluent holding pond (on western side of feedlot, known as W4) including spillway and irrigation pump labelled as EPA Point 20 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 - 250832A1/10.

EFFLUENT ANALYSIS RESULTS (EPA POINT 20)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (Ammonia)	mg/L	0.2	9.8		34	4.4
Chloride	mg/L	380	960		530	130
Nitrate	mg/L	6.7	480		<1.0	<1.0
Phosphorus (Reactive)	mg/L	10	20		7.2	9.8
pН	-	8.08	8.83		8.11	7.62
Conductivity	μS/cm	2390	3090		3280	1280
SAR	-	2	3		3	2
Phosphorus (Total)	mg/L	34	15	DRY	36	10
Nitrogen (Total)	mg/L	16	14		64	40
TKN	mg/L	15	4		64	40
Suspended Solids	mg/L	39	11		349	35
Calcium	mg/L	46	21		95	50
Potassium	mg/L	455	541		683	166
Magnesium	mg/L	53	53		96	37
Sodium	mg/L	100	110		160	70

^{*} Collected during pond overflow event.

Manure stockpile and composting area containing screened and unscreened manure and labelled as EPA Point 24 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 250832A1/10.

MANURE ANALYSIS RESULTS (EPA POINT 24)

Sampled		9-Dec-13	18-Mar-14	18-Mar-14	16-Sept-14	16-Sept-14
Obtained		12-Dec-13	16-Apr-14	16-Apr-14	13-Oct-14	13-Oct-14
Published		23-Jan-14	14-May-14	14-May-14	27-Oct-14	27-Oct-14
Pollutant	Unit of	Screened	Unscreened	Screened	Unscreened	Screened
Pollutant	measure	Result	Result	Result	Result	Result
Moisture	%	36.4	36.9	23.3	43.5	22.5
Nitrate	mg/kg	<200	<200	<200	<200	<200
Nitrogen (Total)	mg/kg	25000	24100	23200	2460	1660
pН	-	8.78	8.60	8.01	7.76	8.64
Calcium	mg/kg	21300	11500	12700	24000	20000
Phosphorus (Total)	mg/kg	8660	5000	5590	8700	6900
Organic Carbon	%	39.2	40.1	36.3	37.7	25.5
Potassium	mg/kg	17400	12900	13000	15000	16000
Magnesium	mg/kg	7620	4490	5100	8200	7100
Sodium	mg/kg	2820	2050	2070	3600	2500
Conductivity	μS/cm	3520	3950	3950	6380	6550
SAR	-	4	4	4	5	4
Sulphur	mg/kg	5730	3180	3390	5100	4300
Chloride	mg/kg	25	13100	12800	8800	5800
Zinc	mg/kg	250	140	160	260	220

Dam located in the bottom corner of "Washpool Road" (13) paddock labelled as EPA Point 26 on map titled Env MPs-Location of Effluent MP dated 1st May 2007. See Fig 2 - 250832A1/10.

EFFLUENT ANALYSIS RESULTS (EPA POINT 26)

Sampled		11-Sep-12	19-Mar-13	10-Sept-13	18-Mar-14	16-Sept-14
Obtained		26-Sep-12	10-Apr-13	22-Oct-13	16-Apr-14	24-Oct-14
Published		09-Oct-12	8-May-13	14-Nov-13	14-May-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (Ammonia)	mg/L	<1	2	12	170	0.6
Chloride	mg/L	260	80	140	560	340
Nitrate	mg/L	1.9	<1.0	<1.0	<1.0	<1.0
Phosphorus (Reactive)	mg/L	3.8	7.4	1.6	2.6	1.3
pH	-	7.83	7.64	7.90	8.03	8.35
Conductivity	μS/cm	967	618	946	2620	1580
SAR	-	2	1	2	5	3
Phosphorus (Total)	mg/L	6	7	5	3	2
Nitrogen (Total)	mg/L	11	7	13	11	35
TKN	mg/L	11	7	13	11	35
Suspended Solids	mg/L	128	23	16	76	52
Calcium	mg/L	15	18	19	46	30
Potassium	mg/L	153	127	154	452	237
Magnesium	mg/L	16	16	20	51	31
Sodium	mg/L	57	31	46	210	110

Collected during pond overflow event.

Effluent utilisation area known as Pivot 1 labelled as EPA Point 27 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

SOIL ANALYSIS RESULTS (EPA POINT 27 - PIVOT 1)

Parameter	Unit	Rayment & Higginson		Return - 2014
		Reference	0-30cm	60-90cm
рН	-	4A1	7.16	8.42
Nitrogen (Total)	mg/kg	Dumas (Leco)	948	-
Nitrogen (Nitrate)	mg/kg	7B1	54	8
Phosphorous (Colwell)	mg/kg	9B1	261	8
Organic Carbon	%	6A1	2.2	<0.1
Conductivity	μS/cm	3A1	0.21	0.16
Chloride	mg/kg	5A1	18	4
Cation Exchange Capacity	cmol(+)/kg	15D3	11.5	13.6
Exchangeable Sodium	cmol(+)/kg	15D3	0.40	1.62
Exchangeable Potassium	cmol(+)/kg	15D3	1.07	1.82
Exchangeable Calcium	cmol(+)/kg	15D3	7.37	5.01
Exchangeable Magnesium	cmol(+)/kg	15D3	2.71	5.17
Exchangeable Sodium Percentage	%	15D3	3.4	11.9
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	<1	108
Aggregate Stability (Emerson)	EAT	-	3(1)	1

Effluent utilisation area known as Pivot 3A labelled as EPA Point 28 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

SOIL ANALYSIS RESULTS (EPA POINT 28 - PIVOT 3A)

Parameter	Unit	Rayment & Higginson	Annual Return 2013 - 2014	
		Reference	0-30cm	60-90cm
рН	-	4A1	7.33	8.71
Nitrogen (Total)	mg/kg	Dumas (Leco)	973	-
Nitrogen (Nitrate)	mg/kg	7B1	32	2
Phosphorous (Colwell)	mg/kg	9B1	37	4
Organic Carbon	%	6A1	0.8	0.2
Conductivity	μS/cm	3A1	0.15	0.15
Chloride	mg/kg	5A1	<1	12
Cation Exchange Capacity	cmol(+)/kg	15D3	11.9	22.7
Exchangeable Sodium	cmol(+)/kg	15D3	0.36	4.00
Exchangeable Potassium	cmol(+)/kg	15D3	1.88	0.76
Exchangeable Calcium	cmol(+)/kg	15D3	6.56	8.75
Exchangeable Magnesium	cmol(+)/kg	15D3	3.09	9.16
Exchangeable Sodium Percentage	%	15D3	3.1	17.6
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	63	90
Aggregate Stability (Emerson)	EAT	-	1	1

Effluent utilisation area known as Pivot 3B labelled as EPA Point 29 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

SOIL ANALYSIS RESULTS (EPA POINT 29 - PIVOT 3B)

Parameter	Unit	Rayment & Higginson		Return - 2014
		Reference	0-30cm	60-90cm
рН	-	4A1	7.70	6.97
Nitrogen (Total)	mg/kg	Dumas (Leco)	903	-
Nitrogen (Nitrate)	mg/kg	7B1	3	<1
Phosphorous (Colwell)	mg/kg	9B1	68	2
Organic Carbon	%	6A1	1.0	0.4
Conductivity	μS/cm	3A1	0.13	0.14
Chloride	mg/kg	5A1	62	12
Cation Exchange Capacity	cmol(+)/kg	15D3	8.33	21.0
Exchangeable Sodium	cmol(+)/kg	15D3	0.37	1.30
Exchangeable Potassium	cmol(+)/kg	15D3	1.87	0.79
Exchangeable Calcium	cmol(+)/kg	15D3	4.14	12.2
Exchangeable Magnesium	cmol(+)/kg	15D3	1.94	6.78
Exchangeable Sodium Percentage	%	15D3	4.5	6.2
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	23	148
Aggregate Stability (Emerson)	EAT	-	3(4)	3(1)

Effluent utilisation area known as Rye East labelled as EPA Point 30 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

SOIL ANALYSIS RESULTS (EPA POINT 30 - RYE EAST)

Parameter	Unit	Rayment & Higginson		Return - 2014
		Reference	0-30cm	60-90cm
рН	-	4A1	7.51	7.89
Nitrogen (Total)	mg/kg	Dumas (Leco)	751	-
Nitrogen (Nitrate)	mg/kg	7B1	4	<1
Phosphorous (Colwell)	mg/kg	9B1	215	7
Organic Carbon	%	6A1	1.4	0.3
Conductivity	μS/cm	3A1	0.15	0.16
Chloride	mg/kg	5A1	27	36
Cation Exchange Capacity	cmol(+)/kg	15D3	9.01	22.6
Exchangeable Sodium	cmol(+)/kg	15D3	0.31	1.26
Exchangeable Potassium	cmol(+)/kg	15D3	2.39	0.74
Exchangeable Calcium	cmol(+)/kg	15D3	4.25	12.7
Exchangeable Magnesium	cmol(+)/kg	15D3	2.06	7.89
Exchangeable Sodium Percentage	%	15D3	3.5	5.6
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	<1	124
Aggregate Stability (Emerson)	EAT	-	3(4)	3(1)

Effluent utilisation area known as Rye West labelled as EPA Point 31 on map titled "Rangers Valley Cattle Station Site Plan" dated 30.07.03.

SOIL ANALYSIS RESULTS (EPA POINT 31 - RYE WEST)

Parameter	Unit	Rayment & Higginson		Return - 2014
		Reference	0-30cm	60-90cm
рН	-	4A1	7.77	7.27
Nitrogen (Total)	mg/kg	Dumas (Leco)	864	-
Nitrogen (Nitrate)	mg/kg	7B1	2	<1
Phosphorous (Colwell)	mg/kg	9B1	36	4
Organic Carbon	%	6A1	0.7	0.4
Conductivity	μS/cm	3A1	0.11	0.15
Chloride	mg/kg	5A1	7	53
Cation Exchange Capacity	cmol(+)/kg	15D3	6.84	22.6
Exchangeable Sodium	cmol(+)/kg	15D3	0.22	0.90
Exchangeable Potassium	cmol(+)/kg	15D3	2.14	0.61
Exchangeable Calcium	cmol(+)/kg	15D3	3.08	15.4
Exchangeable Magnesium	cmol(+)/kg	15D3	1.40	5.63
Exchangeable Sodium Percentage	%	15D3	3.3	4.0
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	36	149
Aggregate Stability (Emerson)	EAT	-	1	5

Groundwater monitoring bore (34 located in corner paddock) labelled as EPA Point 34 on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 34)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	0.1	3.1	<0.1		
Nitrogen (nitrate)	mg/L	72	27	4.3		
Phosphorus (Reactive)	mg/L	<1.0	<1.0	<1		
рН	-	7.67	7.57	8.57		
Conductivity	μS/cm	1240	1090	1230		
Phosphorus (total)	mg/L	<1	1	<1		
Nitrogen (total)	mg/L	17	11	13		
Suspended Solids	mg/L	<10	286	33		

Groundwater monitoring bore (35 located in the laneway north of Rye East paddock) labelled as EPA Point 35 on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 35)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	-		
Published		30-Nov-12	8-May-13			
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	0.2			
Nitrogen (nitrate)	mg/L	8.4	<1.0			
Phosphorus (Reactive)	mg/L	<1.0	<1.0			
pH	-	6.69	6.68	DRY		
Conductivity	μS/cm	1190	1330			
Phosphorus (total)	mg/L	2	<1			
Nitrogen (total)	mg/L	5	2			
Suspended Solids	mg/L	1720	150			

Groundwater monitoring bore (36 located between ponds W3 and W4) labelled as EPA Point 36 on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 36)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	38	35	2.4		
Phosphorus (Reactive)	mg/L	1.2	<1.0	<0.1		
pH	-	8.16	8.11	8.70		
Conductivity	μS/cm	3240	3290	3950		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	8	8	6		
Suspended Solids	mg/L	<10	<10	<10	•	

Groundwater monitoring bore (located on eastern point of effluent pond E2) labelled as EPA Point 38 on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 38)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	160	160	4.3		
Phosphorus (Reactive)	mg/L	1.5	<1.0	<0.1		
рН	-	6.50	6.31	8.19		
Conductivity	μS/cm	1030	1730	2060		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	34	36	30		
Suspended Solids	mg/L	16	<10	<10		

Groundwater monitoring bore (40 located on adjoining fence line between Pivot 3A/3B) on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 40)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	39	35	5.6		
Phosphorus (Reactive)	mg/L	<1.0	<1.0	<0.1		
рН	-	7.38	7.42	8.38		
Conductivity	μS/cm	1220	1200	1490		
Phosphorus (total)	mg/L	<1	<1.0	<1		
Nitrogen (total)	mg/L	8	9	7		
Suspended Solids	mg/L	11	23	<10		

Groundwater monitoring bore (41 below EPA point 14 in paddock Bottom Swamp) labelled as EPA Point 41 on map titled Env MP Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 41)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	48	40	15		
Phosphorus (Reactive)	mg/L	<1.0	<1.0	<0.1		
рН	-	7.00	6.89	8.05		
Conductivity	μS/cm	2910	2910	3200		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	10	9	7		
Suspended Solids	mg/L	31	19	39		

Groundwater monitoring bore (42 located in laneway between Pivot 1 and effluent pond E2) labelled as EPA Point 42 on map titled Env MP-Location of piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 42)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	85	40	23		
Phosphorus (Reactive)	mg/L	14	<1.0	<0.1		
рН	-	6.70	6.62	7.96		
Conductivity	μS/cm	2530	2560	2910		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	21	10	3		
Suspended Solids	mg/L	15	10	11		

The following tables are a summary of the analysis results of the soil quality in the utilisation areas identified as the 'solid utilisation areas as identified on drawing No 19045-05 as quoted in the consent conditions' on map titled "Map 1 - Rangers Valley Cattle Station" submitted with a letter to the EPA on 25 October 2006 (EPA Point 43).

Monitoring has been undertaken at Special Frequency 7, in accordance with the frequency required in accordance with Section M2 of Environmental Protection Licence No. 3864.

SOIL ANALYSIS RESULTS (BANKS)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.60	9.00	
Nitrogen (Total)	mg/kg	1170	-	
Nitrogen (Nitrate)	mg/kg	16	6	
Phosphorous (Colwell)	mg/kg	67	2	
Organic Carbon	%	0.9	<0.1	
Conductivity	μS/cm	0.08	0.15	
Chloride	mg/kg	18	80	
Cation Exchange Capacity	cmol(+)/kg	7.30	19.9	
Exchangeable Sodium	cmol(+)/kg	0.43	3.69	
Exchangeable Potassium	cmol(+)/kg	0.40	0.35	
Exchangeable Calcium	cmol(+)/kg	3.95	7.34	
Exchangeable Magnesium	cmol(+)/kg	2.51	8.51	
Exchangeable Sodium Percent	%	6.0	18.6	
Aggregate Stability (Emerson)	-	2(1)	1	
Phosphorus Sorption Capacity	PSC mg/kg	22	97	

SOIL ANALYSIS RESULTS (BOTT TIP)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	5.64	7.40	
Nitrogen (Total)	mg/kg	838	-	
Nitrogen (Nitrate)	mg/kg	4	1	
Phosphorous (Colwell)	mg/kg	54	2	
Organic Carbon	%	1.2	0.4	
Conductivity	μS/cm	0.03	0.04	
Chloride	mg/kg	39	36	
Cation Exchange Capacity	cmol(+)/kg	4.65	20.3	
Exchangeable Sodium	cmol(+)/kg	0.01	0.76	
Exchangeable Potassium	cmol(+)/kg	0.23	0.39	
Exchangeable Calcium	cmol(+)/kg	3.48	11.9	
Exchangeable Magnesium	cmol(+)/kg	0.93	7.28	
Exchangeable Sodium Percent	%	0.2	3.8	
Aggregate Stability (Emerson)	-	3(3)	5	
Phosphorus Sorption Capacity	PSC mg/kg	48	148	

SOIL ANALYSIS RESULTS (BULL)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
pH	-	6.06	6.72	
Nitrogen (Total)	mg/kg	763	-	
Nitrogen (Nitrate)	mg/kg	9	<1	
Phosphorous (Colwell)	mg/kg	26	2	
Organic Carbon	%	1.7	0.9	
Conductivity	μS/cm	0.05	0.03	
Chloride	mg/kg	46	29	
Cation Exchange Capacity	cmol(+)/kg	11.5	25.9	
Exchangeable Sodium	cmol(+)/kg	0.10	0.40	
Exchangeable Potassium	cmol(+)/kg	0.49	0.52	
Exchangeable Calcium	cmol(+)/kg	7.31	16.5	
Exchangeable Magnesium	cmol(+)/kg	3.59	8.40	
Exchangeable Sodium Percent	%	0.9	1.6	
Aggregate Stability (Emerson)	-	3(1)	5	
Phosphorus Sorption Capacity	PSC mg/kg	101	148	

SOIL ANALYSIS RESULTS (CORNER)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.76	7.58	
Nitrogen (Total)	mg/kg	983	-	
Nitrogen (Nitrate)	mg/kg	3	1	
Phosphorous (Colwell)	mg/kg	99	3	
Organic Carbon	%	1.8	0.3	
Conductivity	μS/cm	0.05	0.06	
Chloride	mg/kg	33	29	
Cation Exchange Capacity	cmol(+)/kg	8.12	25.7	
Exchangeable Sodium	cmol(+)/kg	<0.01	0.69	
Exchangeable Potassium	cmol(+)/kg	0.95	0.56	
Exchangeable Calcium	cmol(+)/kg	5.30	16.1	
Exchangeable Magnesium	cmol(+)/kg	1.86	8.42	
Exchangeable Sodium Percent	%	<0.1	2.7	
Aggregate Stability (Emerson)	-	3(2)	5	
Phosphorus Sorption Capacity	PSC mg/kg	24	149	

SOIL ANALYSIS RESULTS (FRONTAGE)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	7.84	9.43	
Nitrogen (Total)	mg/kg	832	-	
Nitrogen (Nitrate)	mg/kg	8	<1	
Phosphorous (Colwell)	mg/kg	109	5	
Organic Carbon	%	2.4	<0.1	
Conductivity	μS/cm	0.14	0.37	
Chloride	mg/kg	21	1	
Cation Exchange Capacity	cmol(+)/kg	16.0	38.1	
Exchangeable Sodium	cmol(+)/kg	2.95	16.8	
Exchangeable Potassium	cmol(+)/kg	0.52	0.66	
Exchangeable Calcium	cmol(+)/kg	4.17	3.23	
Exchangeable Magnesium	cmol(+)/kg	8.40	17.4	
Exchangeable Sodium Percent	%	18.4	44.1	
Aggregate Stability (Emerson)	-	3(4)	1	
Phosphorus Sorption Capacity	PSC mg/kg	91	81	

SOIL ANALYSIS RESULTS (HORSE)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.91	8.62	
Nitrogen (Total)	mg/kg	1100	-	
Nitrogen (Nitrate)	mg/kg	25	5	
Phosphorous (Colwell)	mg/kg	106	6	
Organic Carbon	%	0.8	0.1	
Conductivity	μS/cm	0.10	0.10	
Chloride	mg/kg	73	42	
Cation Exchange Capacity	cmol(+)/kg	9.52	18.8	
Exchangeable Sodium	cmol(+)/kg	0.36	3.44	
Exchangeable Potassium	cmol(+)/kg	0.51	0.30	
Exchangeable Calcium	cmol(+)/kg	6.12	7.23	
Exchangeable Magnesium	cmol(+)/kg	2.53	7.80	
Exchangeable Sodium Percent	%	3.8	18.4	
Aggregate Stability (Emerson)	-	2(1)	1	
Phosphorus Sorption Capacity	PSC mg/kg	30	80	

SOIL ANALYSIS RESULTS (IRRIGATION 1)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.32	7.37	
Nitrogen (Total)	mg/kg	1200	-	
Nitrogen (Nitrate)	mg/kg	32	9	
Phosphorous (Colwell)	mg/kg	103	5	
Organic Carbon	%	2.9	0.5	
Conductivity	μS/cm	0.21	0.06	
Chloride	mg/kg	47	<1	
Cation Exchange Capacity	cmol(+)/kg	10.9	9.41	
Exchangeable Sodium	cmol(+)/kg	0.23	0.23	
Exchangeable Potassium	cmol(+)/kg	0.90	0.21	
Exchangeable Calcium	cmol(+)/kg	7.18	5.69	
Exchangeable Magnesium	cmol(+)/kg	2.55	3.27	
Exchangeable Sodium Percent	%	2.2	2.5	
Aggregate Stability (Emerson)	-	3(1)	2(1)	
Phosphorus Sorption Capacity	PSC mg/kg	20	112	

SOIL ANALYSIS RESULTS (JUNCTION)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	5.21	6.26	
Nitrogen (Total)	mg/kg	744	-	
Nitrogen (Nitrate)	mg/kg	47	6	
Phosphorous (Colwell)	mg/kg	57	34	
Organic Carbon	%	1.7	0.4	
Conductivity	μS/cm	0.11	0.03	
Chloride	mg/kg	24	<1	
Cation Exchange Capacity	cmol(+)/kg	6.88	9.53	
Exchangeable Sodium	cmol(+)/kg	<0.01	0.05	
Exchangeable Potassium	cmol(+)/kg	0.92	0.48	
Exchangeable Calcium	cmol(+)/kg	4.33	5.48	
Exchangeable Magnesium	cmol(+)/kg	1.55	3.52	
Exchangeable Sodium Percent	%	<0.1	0.5	
Aggregate Stability (Emerson)	-	3(2)	3(1)	
Phosphorus Sorption Capacity	PSC mg/kg	82	141	

SOIL ANALYSIS RESULTS (OAKS RIVER)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
pH	-	7.24	6.59	
Nitrogen (Total)	mg/kg	868	-	
Nitrogen (Nitrate)	mg/kg	3	2	
Phosphorous (Colwell)	mg/kg	85	5	
Organic Carbon	%	1.0	0.2	
Conductivity	μS/cm	0.07	0.23	
Chloride	mg/kg	25	50	
Cation Exchange Capacity	cmol(+)/kg	7.63	15.9	
Exchangeable Sodium	cmol(+)/kg	0.76	4.74	
Exchangeable Potassium	cmol(+)/kg	0.56	0.21	
Exchangeable Calcium	cmol(+)/kg	3.78	3.44	
Exchangeable Magnesium	cmol(+)/kg	2.54	7.53	
Exchangeable Sodium Percent	%	9.9	29.8	
Aggregate Stability (Emerson)	-	1	1	
Phosphorus Sorption Capacity	PSC mg/kg	64	120	

SOIL ANALYSIS RESULTS (OLD 5)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.10	6.76	
Nitrogen (Total)	mg/kg	932	-	
Nitrogen (Nitrate)	mg/kg	5	5	
Phosphorous (Colwell)	mg/kg	31	5	
Organic Carbon	%	0.9	0.7	
Conductivity	μS/cm	0.06	0.06	
Chloride	mg/kg	28	37	
Cation Exchange Capacity	cmol(+)/kg	7.93	15.8	
Exchangeable Sodium	cmol(+)/kg	0.63	0.28	
Exchangeable Potassium	cmol(+)/kg	0.33	0.27	
Exchangeable Calcium	cmol(+)/kg	4.43	11.0	
Exchangeable Magnesium	cmol(+)/kg	2.54	4.25	
Exchangeable Sodium Percent	%	7.9	1.8	
Aggregate Stability (Emerson)	-	3(4)	3(1)	
Phosphorus Sorption Capacity	PSC mg/kg	70	151	

SOIL ANALYSIS RESULTS (OXBOW)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
pН	-	7.03	8.86	
Nitrogen (Total)	mg/kg	971	-	
Nitrogen (Nitrate)	mg/kg	33	7	
Phosphorous (Colwell)	mg/kg	171	13	
Organic Carbon	%	2.2	0.1	
Conductivity	μS/cm	0.19	0.30	
Chloride	mg/kg	39	8	
Cation Exchange Capacity	cmol(+)/kg	14.8	24.5	
Exchangeable Sodium	cmol(+)/kg	1.78	9.39	
Exchangeable Potassium	cmol(+)/kg	1.54	0.29	
Exchangeable Calcium	cmol(+)/kg	7.13	5.66	
Exchangeable Magnesium	cmol(+)/kg	4.34	9.15	
Exchangeable Sodium Percent	%	12.0	38.3	
Aggregate Stability (Emerson)	-	1	1	
Phosphorus Sorption Capacity	PSC mg/kg	64	71	

SOIL ANALYSIS RESULTS (PERKINS 2)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.37	7.31	
Nitrogen (Total)	mg/kg	1110	-	
Nitrogen (Nitrate)	mg/kg	14	<1	
Phosphorous (Colwell)	mg/kg	79	7	
Organic Carbon	%	1.9	0.6	
Conductivity	μS/cm	0.10	0.04	
Chloride	mg/kg	62	26	
Cation Exchange Capacity	cmol(+)/kg	10.6	19.8	
Exchangeable Sodium	cmol(+)/kg	0.11	0.55	
Exchangeable Potassium	cmol(+)/kg	1.15	0.43	
Exchangeable Calcium	cmol(+)/kg	6.47	12.0	
Exchangeable Magnesium	cmol(+)/kg	2.87	6.76	
Exchangeable Sodium Percent	%	1.1	2.8	
Aggregate Stability (Emerson)	-	3(4)	3(4)	
Phosphorus Sorption Capacity	PSC mg/kg	22	119	

SOIL ANALYSIS RESULTS (SHOW)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	5.68	6.69	
Nitrogen (Total)	mg/kg	788	-	
Nitrogen (Nitrate)	mg/kg	98	9	
Phosphorous (Colwell)	mg/kg	81	3	
Organic Carbon	%	1.8	0.5	
Conductivity	μS/cm	0.29	0.05	
Chloride	mg/kg	61	58	
Cation Exchange Capacity	cmol(+)/kg	10.7	20.9	
Exchangeable Sodium	cmol(+)/kg	0.10	0.41	
Exchangeable Potassium	cmol(+)/kg	0.84	0.46	
Exchangeable Calcium	cmol(+)/kg	7.45	14.5	
Exchangeable Magnesium	cmol(+)/kg	2.29	5.51	
Exchangeable Sodium Percent	%	1.0	2.0	
Aggregate Stability (Emerson)	-	3(1)	5	
Phosphorus Sorption Capacity	PSC mg/kg	60	154	

SOIL ANALYSIS RESULTS (SILO)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	6.38	6.98	
Nitrogen (Total)	mg/kg	1020	-	
Nitrogen (Nitrate)	mg/kg	9	2	
Phosphorous (Colwell)	mg/kg	102	2	
Organic Carbon	%	1.5	0.4	
Conductivity	μS/cm	0.05	0.09	
Chloride	mg/kg	20	24	
Cation Exchange Capacity	cmol(+)/kg	8.96	20.4	
Exchangeable Sodium	cmol(+)/kg	<0.01	0.42	
Exchangeable Potassium	cmol(+)/kg	0.65	0.46	
Exchangeable Calcium	cmol(+)/kg	6.11	13.6	
Exchangeable Magnesium	cmol(+)/kg	2.20	5.91	
Exchangeable Sodium Percent	%	<0.1	2.1	
Aggregate Stability (Emerson)	-	3(2)	5	
Phosphorus Sorption Capacity	PSC mg/kg	37	152	

SOIL ANALYSIS RESULTS (WESTERN 1)

Parameter	Unit	Annual Return 2013 – 2014		
		0-30 cm	60-90 cm	
pH	-	5.62	6.19	
Nitrogen (Total)	mg/kg	971	-	
Nitrogen (Nitrate)	mg/kg	7	4	
Phosphorous (Colwell)	mg/kg	6	2	
Organic Carbon	%	0.8	<0.1	
Conductivity	μS/cm	0.04	0.03	
Chloride	mg/kg	61	16	
Cation Exchange Capacity	cmol(+)/kg	3.54	8.33	
Exchangeable Sodium	cmol(+)/kg	0.04	0.78	
Exchangeable Potassium	cmol(+)/kg	0.50	0.18	
Exchangeable Calcium	cmol(+)/kg	2.11	4.15	
Exchangeable Magnesium	cmol(+)/kg	0.89	3.22	
Exchangeable Sodium Percent	%	1.0	9.3	
Aggregate Stability (Emerson)	-	3(3)	2(3)	
Phosphorus Sorption Capacity	PSC mg/kg	56	116	

SOIL ANALYSIS RESULTS (WESTERN 2)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	7.47	7.28	
Nitrogen (Total)	mg/kg	761	-	
Nitrogen (Nitrate)	mg/kg	5	1	
Phosphorous (Colwell)	mg/kg	200	10	
Organic Carbon	%	2.7	0.5	
Conductivity	μS/cm	0.09	0.10	
Chloride	mg/kg	<1	<1	
Cation Exchange Capacity	cmol(+)/kg	12.6	17.9	
Exchangeable Sodium	cmol(+)/kg	<0.01	0.37	
Exchangeable Potassium	cmol(+)/kg	1.15	0.69	
Exchangeable Calcium	cmol(+)/kg	9.95	11.6	
Exchangeable Magnesium	cmol(+)/kg	1.49	5.25	
Exchangeable Sodium Percent	%	<0.1	2.1	
Aggregate Stability (Emerson)	-	3(4)	5	
Phosphorus Sorption Capacity	PSC mg/kg	3	146	

SOIL ANALYSIS RESULTS (SUGARLOAF EAST)

Parameter	Unit	Annual Return 2013 - 2014		
		0-30 cm	60-90 cm	
рН	-	5.73	7.30	
Nitrogen (Total)	mg/kg	774	1	
Nitrogen (Nitrate)	mg/kg	23	1	
Phosphorous (Colwell)	mg/kg	56	7	
Organic Carbon	%	1.4	0.4	
Conductivity	μS/cm	0.07	0.06	
Chloride	mg/kg	27	45	
Cation Exchange Capacity	cmol(+)/kg	5.58	19.6	
Exchangeable Sodium	cmol(+)/kg	0.03	0.30	
Exchangeable Potassium	cmol(+)/kg	0.47	0.56	
Exchangeable Calcium	cmol(+)/kg	3.80	12.9	
Exchangeable Magnesium	cmol(+)/kg	1.29	5.82	
Exchangeable Sodium Percent	%	0.5	1.5	
Aggregate Stability (Emerson)	-	3(2)	5	
Phosphorus Sorption Capacity	PSC mg/kg	24	149	

Groundwater monitoring bore (44 located in the north eastern grassed area of the paddock known as Old 2) labelled as EPA point 44 on map titled Env MP-Location of Peizometer MP dated 1st May 2007. See Fig 3 - 250832A1/10.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 44)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	0.2		
Nitrogen (nitrate)	mg/L	4.3	4.4	23		
Phosphorus (Reactive)	mg/L	1.0	<1.0	<0.1		
рН	-	7.15	7.04	8.44		
Conductivity	μS/cm	582	574	136		
Phosphorus (total)	mg/L	<1	<1.0	<1		
Nitrogen (total)	mg/L	2	3	2		
Suspended Solids	mg/L	16	17	15		

Groundwater monitoring bore (45 located on eastern boundary of the paddock known as "Donnellys Elect" labelled as EPA point 45 on map titled Env MP location of Piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 45)

Sampled		25-Oct-12 12-Apr-13		8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	15	22	2.7		
Phosphorus (Reactive)	mg/L	<1.0	<1.0	<0.1		
рН	-	7.15	7.24	8.23		
Conductivity	μS/cm	335	332	347		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	4	4	3		
Suspended Solids	mg/L	13	<10	<10		

Groundwater monitoring bore (46 located in paddock known as "Oaks Road") labelled as EPA point 46 on map Titled Env MP-location of Piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 46)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	12	18	6.7		
Phosphorus (Reactive)	mg/L	1.4	<1.0	<0.1		
pH	-	7.53	7.52	8.36		
Conductivity	μS/cm	1010	990	1010		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	3	6	4		
Suspended Solids	mg/L	12	22	38		

Groundwater monitoring bore 47 located in paddock known as "Horse" labelled as EPA point 47 on map Titled Env MP-location of Piezometer MP dated 1st May 2007. See Fig 3.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 47)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		DRY	DRY	DRY		
Published						
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L					
Nitrogen (nitrate)	mg/L					
Phosphorus (Reactive)	mg/L					
рН	-	DRY	DRY	DRY		
Conductivity	μS/cm					
Phosphorus (total)	mg/L					
Nitrogen (total)	mg/L					
Suspended Solids	mg/L					

SOIL ANALYSIS RESULTS (EPA POINT 51 - PIVOT 2B)

Parameter	Unit	Rayment & Higginson	Annual Return 2013 - 2014		
		Reference	0-30cm	60-90cm	
рН	-	4A1	7.25	7.34	
Nitrogen (Total)	mg/kg	Dumas (Leco)	772	-	
Nitrogen (Nitrate)	mg/kg	7B1	25	3	
Phosphorous (Colwell)	mg/kg	9B1	86	5	
Organic Carbon	%	6A1	0.8	0.2	
Conductivity	μS/cm	3A1	0.15	0.13	
Chloride	mg/kg	5A1	<1	9	
Cation Exchange Capacity	cmol(+)/kg	15D3	7.95	17.6	
Exchangeable Sodium	cmol(+)/kg	15D3	0.31	0.84	
Exchangeable Potassium	cmol(+)/kg	15D3	2.15	0.54	
Exchangeable Calcium	cmol(+)/kg	15D3	3.65	11.7	
Exchangeable Magnesium	cmol(+)/kg	15D3	1.84	4.45	
Exchangeable Sodium Percentage	%	15D3	3.9	4.8	
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	33	137	
Aggregate Stability (Emerson)	EAT	-	3(3)	5	

SOIL ANALYSIS RESULTS (EPA POINT 52 - PIVOT 2C)

Parameter	Unit	Rayment & Higginson	Annual Return 2013 - 2014	
		Reference	0-30cm	60-90cm
рН	-	4A1	6.37	7.63
Nitrogen (Total)	mg/kg	Dumas (Leco)	964	-
Nitrogen (Nitrate)	mg/kg	7B1	60	<1
Phosphorous (Colwell)	mg/kg	9B1	105	2
Organic Carbon	%	6A1	2.1	0.4
Conductivity	μS/cm	3A1	0.21	0.13
Chloride	mg/kg	5A1	58	61
Cation Exchange Capacity	cmol(+)/kg	15D3	11.7	22.2
Exchangeable Sodium	cmol(+)/kg	15D3	0.39	1.26
Exchangeable Potassium	cmol(+)/kg	15D3	1.69	0.63
Exchangeable Calcium	cmol(+)/kg	15D3	6.42	13.1
Exchangeable Magnesium	cmol(+)/kg	15D3	3.24	7.26
Exchangeable Sodium Percentage	%	15D3	3.3	5.7
Phosphorus Sorption Capacity	mg/kg	9I1 and 9J1	56	142
Aggregate Stability (Emerson)	EAT	-	3(2)	3(2)

Groundwater monitoring bore 53 located west of Terminal Pond 1 in the paddock known as spillway labelled as EPA point 53 on map Titled Env MP-location of Piezometer MP dated 1st May 2007. See Fig 3. 250832A1/10.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 53)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	<1.0	<1.0	4.9		
Phosphorus (Reactive)	mg/L	1.0	<1.0	<0.1		
рН	-	7.38	7.35	8.40		
Conductivity	μS/cm	536	479	539		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	1	<1	<1		
Suspended Solids	mg/L	<10	<10	<10		

Groundwater monitoring bore 54 located north of Terminal Pond Two in the paddock known as Pivot 2b labelled as EPA point 54 on map titled Env MP location of Piezometer MP dated 1st May 2007. See Fig 3. 250832A1/10.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 54)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	22	27	4.3		
Phosphorus (Reactive)	mg/L	1.3	<1.0	<0.1		
рН	-	6.85	6.82	8.11		
Conductivity	μS/cm	480	412	459		
Phosphorus (total)	mg/L	<1	<1	<1		
Nitrogen (total)	mg/L	5	5	5		
Suspended Solids	mg/L	30	75	<10		

Groundwater monitoring bore 55 located south of Terminal Pond Three in the paddock known as "Wallys" labelled as EPA point 55 on map titled Env MP-location of Piezometer MP dated 1st May 2007. See Fig 3. 250832A1/10.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 55)

Sampled		25-Oct-12	12-Apr-13	8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	<0.1	<0.1	<0.1		
Nitrogen (nitrate)	mg/L	<1.0	<1.0	6.6		
Phosphorus (Reactive)	mg/L	1.0	<1.0	<0.1		
рН	-	7.28	7.25	8.33		
Conductivity	μS/cm	469	452	428		
Phosphorus (total)	mg/L	<1	<1.0	<1		
Nitrogen (total)	mg/L	1	<1	<1		
Suspended Solids	mg/L	<10	14	93	•	

Groundwater monitoring bore (56 located south of the northern holding pond N1 in the paddock known as Irrigation 1) labelled as EPA point 56 on map titled Env MP dated 1st May 2007. See Fig 3. 250832A1/10.

GROUNDWATER ANALYSIS RESULTS (EPA POINT 56)

Sampled		25-Oct-12 12-		8-Apr-14		
Obtained		23-Nov-12	26-Apr-13	11-Apr-14		
Published		30-Nov-12	8-May-13	19-May-14		
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (ammonia)	mg/L	0.2	<0.1	0.1		
Nitrogen (nitrate)	mg/L	17	22	3.0		
Phosphorus (Reactive)	mg/L	<1.0	<1.0	<0.1		
рН	-	7.11	7.48	8.32		
Conductivity	μS/cm	835	825	1110		
Phosphorus (total)	mg/L	<1	<1.0	<1		
Nitrogen (total)	mg/L	6	5	9		
Suspended Solids	mg/L	35	11	25		

Effluent holding pond (known as N1) irrigation pump labelled as EPA point 57 on map titled Env MP- Location of Effluent MP dated 1st May 2007. See Fig 2 - 250832A1/10.

EFFLUENT ANALYSIS RESULTS (EPA POINT 57)

Sampled		10-Sept-13	9-Dec-13	18-Mar-14	16-Jun-14	16-Sept-14
Obtained		22-Oct-13	12-Dec-13	16-Apr-14	29-Jul-14	24-Oct-14
Published		14-Nov-13	23-Jan-14	14-May-14	29-Jul-14	27-Oct-14
Pollutant	Unit of measure	Result	Result	Result	Result	Result
Nitrogen (Ammonia)	mg/L	5.8	1.2	310	16	0.8
Chloride	mg/L	250	310	220	270	240
Nitrate	mg/L	4.7	<1.0	<1.0	<1.0	11
Phosphorus (Reactive)	mg/L	6.1	17	6.5	3.5	4.3
pН	-	8.17	8.45	8.46	8.60	8.98
Conductivity	μS/cm	1690	1810	1790	1930	1770
SAR	-	2	3	3	3	3
Phosphorus (Total)	mg/L	18	17	8	11	5
Nitrogen (Total)	mg/L	15	7	10	19	37
TKN	mg/L	14	6	10	19	26
Suspended Solids	mg/L	155	11	54	16	21
Calcium	mg/L	31	23	27	47	43
Potassium	mg/L	275	255	295	260	223
Magnesium	mg/L	49	52	66	63	60
Sodium	mg/L	86	99	130	130	130

Collected during pond overflow event.