

KAMES FISH FARMING LIMITED - LOCH TAY PRODUCTION, FEED USAGE AND PHOSPHORUS DISCHARGE FORECAST

																							Rolling 12 month:				
Date	Max Biomass (kg)	Production Growth (kg)	Stocking (kg)	Mort. (kg)	FCR	Feed 1: (kg)	Feed 1: P (%)	Feed 1: P (kg)	Feed 1: N (%)	Feed 1: N (kg)	Feed 2: (kg)	Feed 2: P (%)	Feed 2: P (kg)	Feed 2: N (%)	Feed 2: N (kg)	Feed 3: (kg)	Feed 3: P (%)	Feed 3: P (kg)	Feed 3: N (%)	Feed 3: N (kg)	Total Feed (kg)	P. Content (kg)	Nitrogen Content (kg)	Production (kg)	Entrainment (kg)	TP Feed (kg)	TP Discharged (kg)
Jan-2028	233,000	20,700		1,200	1.18		1.35	0.0	6.24	0.0	9,000	1.25	112.5	5.85	526.5	15,900	1.05	167.0	5.4	858.6	24,900	279.5	1,385.1	327,300	1178.28	4,947.6	3,769.3
Feb-2028	248,000	17,800		1,200	1.20		1.35	0.0	6.24	0.0	8,000	1.25	100.0	5.85	468.0	13,800	1.05	144.9	5.4	745.2	21,800	244.9	1,213.2	334,400	1203.84	5052.85	3,849.0
Mar-2028	265,000	18,900		1,100	1.31		1.35	0.0	6.24	0.0	9,400	1.25	117.5	5.85	549.9	16,100	1.05	169.1	5.4	869.4	25,500	286.6	1,419.3	339,100	1220.76	5094	3,873.2
Apr-2028	319,000	27,600	19,500	1,000	1.28	3,400	1.35	45.9	6.24	212.2	12,400	1.25	155.0	5.85	725.4	19,800	1.05	207.9	5.4	1,069.2	35,600	408.8	2,006.8	348,900	1256.04	5,248.0	3,991.9
May-2028	371,000	54,600		1,900	1.29	12,000	1.35	162.0	6.24	748.8	8,200	1.25	102.5	5.85	479.7	50,700	1.05	532.4	5.4	2,737.8	70,900	796.9	3,966.3	366,700	1320.12	5506.9	4,186.8
Jun-2028	424,000	55,300		3,400	1.29		1.35	0.0	6.24	0.0	13,500	1.25	168.8	5.85	789.8	58,800	1.05	617.4	5.4	3,175.2	72,300	786.2	3,965.0	384,600	1384.56	5754.05	4,369.5
Jul-2028	484,000	74,000		5,800	1.37		1.35	0.0	6.24	0.0	21,000	1.25	262.5	5.85	1,228.5	81,000	1.05	850.5	5.4	4,374.0	102,000	1,113.0	5,602.5	418,200	1505.52	6247.3	4,741.8
Aug-2028	423,000	49,700		5,500	1.32		1.35	0.0	6.24	0.0	19,500	1.25	243.8	5.85	1,140.8	47,100	1.05	494.6	5.4	2,543.4	66,600	738.3	3,684.2	410,600	1478.16	6137.7	4,659.5
Sep-2028	311,000	36,800	19,500	3,400	1.34		1.35	0.0	6.24	0.0	15,200	1.25	190.0	5.85	889.2	34,900	1.05	366.5	5.4	1,884.6	50,100	556.5	2,773.8	408,100	1469.16	6101.3	4,632.1
Oct-2028	398,000	40,100		3,200	1.60	8,600	1.35	116.1	6.24	536.6	2,100	1.25	26.3	5.85	122.9	53,900	1.05	566.0	5.4	2,910.6	64,600	708.3	3,570.1	428,500	1542.6	6452.15	4,909.6
Nov-2028	414,000	29,500		2,600	1.42		1.35	0.0	6.24	0.0	7,500	1.25	93.8	5.85	438.8	34,700	1.05	364.4	5.4	1,873.8	42,200	458.1	2,312.6	437,600	1575.36	6586.6	5,011.2
Dec-2028	438,000	23,300		2,300	1.48		1.35	0.0	6.24	0.0	6,400	1.25	80.0	5.85	374.4	29,100	1.05	305.6	5.4	1,571.4	35,500	385.6	1,945.8	448,300	1613.88	6,762.4	5,148.5
Jan-2029	466,000	31,200		2,400	1.18		1.35	0.0	6.24	0.0	9,000	1.25	112.5	5.85	526.5	35,300	1.05	370.7	5.4	1,906.2	44,300	483.2	2,432.7	458,800	1651.68	6966.1	5,314.4
Feb-2029	472,000	24,000		2,400	1.20		1.35	0.0	6.24	0.0	8,000	1.25	100.0	5.85	468.0	26,100	1.05	274.1	5.4	1,409.4	34,100	374.1	1,877.4	465,000	1674.00	7095.25	5,421.3
Mar-2029	320,000	21,400	19,500	1,300	1.31	4,400	1.35	59.4	6.24	274.6	9,400	1.25	117.5	5.85	549.9	16,600	1.05	174.3	5.4	896.4	30,400	351.2	1,720.9	467,500	1683.00	7159.9	5,476.9
Apr-2029	297,000	29,300		1,000	1.28	9,600	1.35	129.6	6.24	599.0	12,200	1.25	152.5	5.85	713.7	19,200	1.05	201.6	5.4	1,036.8	41,000	483.7	2,349.5	469,200	1689.12	7234.8	5,545.7
May-2029	348,000	52,300		1,900	1.29	15,800	1.35	213.3	6.24	985.9	8,200	1.25	102.5	5.85	479.7	48,200	1.05	506.1	5.4	2,602.8	72,200	821.9	4,068.4	466,900	1680.84	7259.85	5,579.0
Jun-2029	396,000	52,600		3,400	1.29		1.35	0.0	6.24	0.0	13,500	1.25	168.8	5.85	789.8	58,100	1.05	610.1	5.4	3,137.4	71,600	778.8	3,927.2	464,200	1671.12	7252.5	5,581.4
Jul-2029	462,000	70,100		5,800	1.37		1.35	0.0	6.24	0.0	18,000	1.25	225.0	5.85	1,053.0	76,000	1.05	798.0	5.4	4,104.0	94,000	1,023.0	5,157.0	460,300	1657.08	7162.5	5,505.4
Aug-2029	477,000	52,700	19,500	5,500	1.32	4,400	1.35	59.4	6.24	274.6	19,500	1.25	243.8	5.85	1,140.8	46,200	1.05	485.1	5.4	2,494.8	70,100	788.3	3,910.1	463,300	1667.88	7212.45	5,544.6
Sep-2029	384,000	44,100		3,400	1.34	9,600	1.35	129.6	6.24	599.0	15,200	1.25	190.0	5.85	889.2	33,900	1.05	356.0	5.4	1,830.6	58,700	675.6	3,318.8	470,600	1694.16	7331.55	5,637.4
Oct-2029	398,000	52,900		3,200	1.60	15,800	1.35	213.3	6.24	985.9	2,100	1.25	26.3	5.85	122.9	53,500	1.05	561.8	5.4	2,889.0	71,400	801.3	3,997.8	483,400	1740.24	7424.55	5,684.3
Nov-2029	414,000	30,400		2,600	1.42		1.35	0.0	6.24	0.0	7,500	1.25	93.8	5.85	438.8	34,400	1.05	361.2	5.4	1,857.6	41,900	455.0	2,296.4	484,300	1743.48	7421.4	5,677.9
Dec-2029	438,000	24,700		2,300	1.48		1.35	0.0	6.24	0.0	6,400	1.25	80.0	5.85	374.4	28,200	1.05	296.1	5.4	1,522.8	34,600	376.1	1,897.2	485,700	1748.52	7,412.0	5,663.4
Jan-2030	466,000	31,200		2,400	1.18		1.35	0.0	6.24	0.0	9,000	1.25	112.5	5.85	526.5	35,300	1.05	370.7	5.4	1,906.2	44,300	483.2	2,432.7	485,700	1748.52	7411.95	5,663.4
Feb-2030	472,000	24,000		2,400	1.20		1.35	0.0	6.24	0.0	8,000	1.25	100.0	5.85	468.0	26,100	1.05	274.1	5.4	1,409.4	34,100	374.1	1,877.4	485,700	1748.52	7411.95	5,663.4
Mar-2030	320,000	21,400	19,500	1,300	1.31	4,400	1.35	59.4	6.24	274.6	9,400	1.25	117.5	5.85	549.9	16,600	1.05	174.3	5.4	896.4	30,400	351.2	1,720.9	485,700	1748.52	7411.95	5,663.4
Apr-2030	297,000	29,300		1,000	1.28	9,600	1.35	129.6	6.24	599.0	12,200	1.25	152.5	5.85	713.7	19,200	1.05	201.6	5.4	1,036.8	41,000	483.7	2,349.5	485,700	1748.52	7411.95	5,663.4
May-2030	348,000	52,300		1,900	1.29	15,800	1.35	213.3	6.24	985.9	8,200	1.25	102.5	5.85	479.7	48,200	1.05	506.1	5.4	2,602.8	72,200	821.9	4,068.4	485,700	1748.52	7411.95	5,663.4
Jun-2030	396,000	52,600		3,400	1.29		1.35	0.0	6.24	0.0	13,500	1.25	168.8	5.85	789.8	58,100	1.05	610.1	5.4	3,137.4	71,600	778.8	3,927.2	485,700	1748.52	7411.95	5,663.4
Jul-2030	462,000	70,100		5,800	1.37		1.35	0.0	6.24	0.0	18,000	1.25	225.0	5.85	1,053.0	76,000	1.05	798.0	5.4	4,104.0	94,000	1,023.0	5,157.0	485,700	1748.52	7411.95	5,663.4
Aug-2030	477,000	52,700	19,500	5,500	1.32	4,400	1.35	59.4	6.24	274.6	19,500	1.25	243.8	5.85	1,140.8	46,200	1.05	485.1	5.4	2,494.8	70,100	788.3	3,910.1	485,700	1748.52	7411.95	5,663.4
Sep-2030	384,000	44,100		3,400	1.34	9,600	1.35	129.6	6.24	599.0	15,200	1.25	190.0	5.85	889.2	33,900	1.05	356.0	5.4	1,830.6	58,700	675.6	3,318.8	485,700	1748.52	7411.95	5,663.4
Oct-2030	398,000	52,900		3,200	1.60	15,800	1.35	213.3	6.24	985.9	2,100	1.25	26.3	5.85	122.9	53,500	1.05	561.8	5.4	2,889.0	71,400	801.3	3,997.8	485,700	1748.52	7411.95	5,663.4
Nov-2030	414,000	30,400		2,600	1.42		1.35	0.0	6.24	0.0	7,500	1.25	93.8	5.85	438.8	34,400	1.05	361.2	5.4	1,857.6	41,900	455.0	2,296.4	485,700	1748.52	7411.95	5,663.4
Dec-2030	438,000	24,700		2,300	1.48		1.35	0.0	6.24	0.0	6,400	1.25	80.0	5.85	374.4	28,200	1.05	296.1	5.4	1,522.8	34,600	376.1	1,897.2	485,700	1748.52	7,412.0	5,663.4

ANNUAL SUMMARIES

Year	Max Bio. (t)	Prod Growth (T)	Stocking Kg	Mort. (Kg)	FCR	Feed 1: (kg)	Feed 1: P (%)	Feed 1: P (kg)	Feed 1: N (%)	Feed 1: N (kg)	Feed 2: (kg)	Feed 2: P (%)	Feed 2: P (kg)	Feed 2: N (%)	Feed 2: N (kg)	Feed 3: (kg)	Feed 3: P (%)	Feed 3: P (kg)	Feed 3: N (%)	Feed 3: N (kg)	Total Feed (kg)	P. Content (kg)	Nitrogen Content (kg)	Annual Growth (kg)	Annual Entrainment (kg)	Annual TP Feed (kg)	Annual TP Discharged (kg)
2028 total	484	448	39,000	32,600	1.4	24,000		324		1,498	132,200		1,653		7,734	455,800		4,786		24,613	612,000	6,762	33,845	448,300	1613.88	6,762	5,148.5
2029 total	477	486	39,000	35,200	1.4	59,600		805		3,719	129,000		1,613		7,547	475,700		4,995		25,688	664,300	7,412	36,953	485,700	1748.52	7,412	5,663.4
2030 total	477	486	39,000	35,200	1.4	59,600		805		3,719	129,000		1,613		7,547	475,700		4,995		25,688	664,300	7,412	36,953	485,700	1748.52	7,412	5,663.4
2031 total	477	486	39,000	35,200	1.4	59,600		805		3,719	129,000		1,613		7,547	475,700		4,995		25,688	664,300	7,412	36,953	485,700	1748.52	7,412	5,663.4