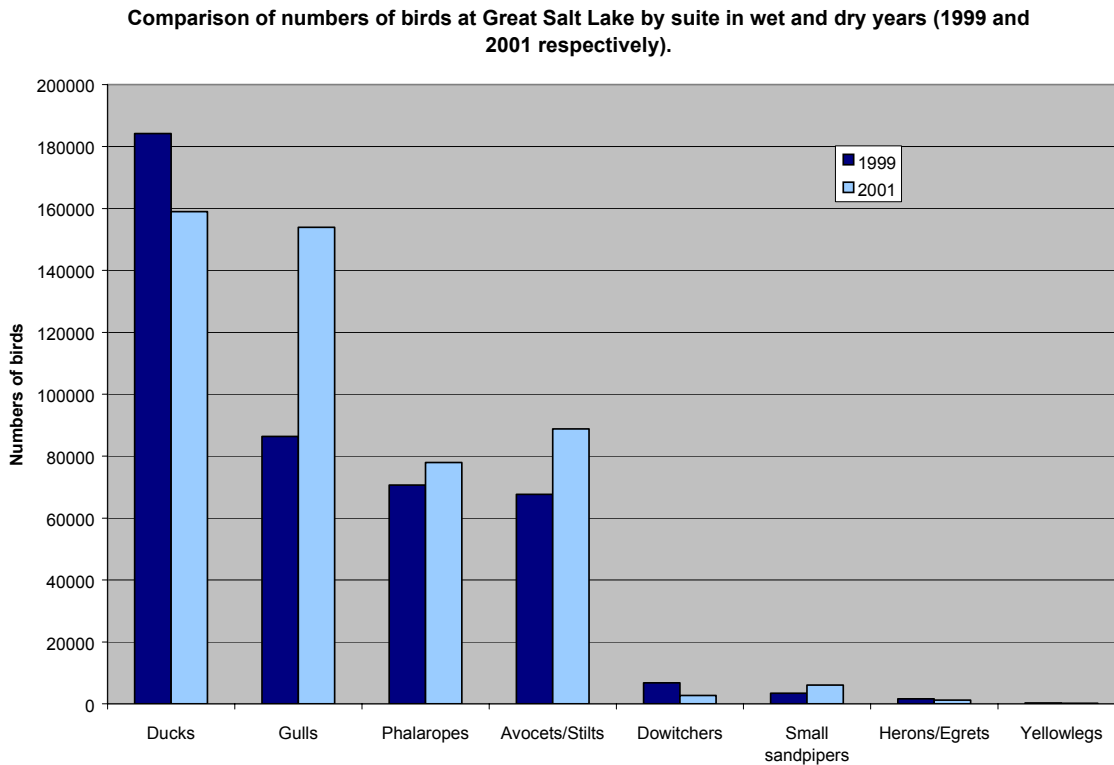


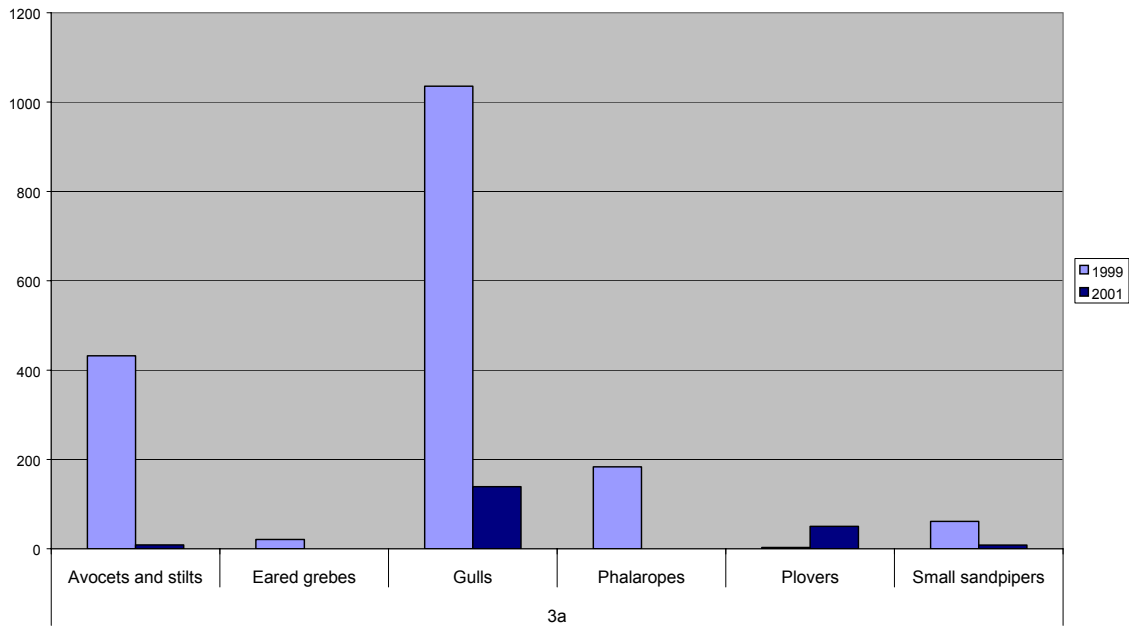
### Appendix 3: Habitat Use

The following tables and charts display data collected from selected point samples as part of the protocol for areas classified as “total count with point sample.” To illustrate varying conditions related to different lake elevations, only data from 1999 and 2001 are included here. During the time frame of this study, the lake elevation reached its highest point in 1999. In both 1997 and 2001, lake elevations were similarly low, but data were better collected in the latter year and, therefore, are included in this appendix. The tables show mean bird counts by suite, habitat type, and year, and the charts compare mean-bird counts for all combined habitat types for 1999 and 2001.



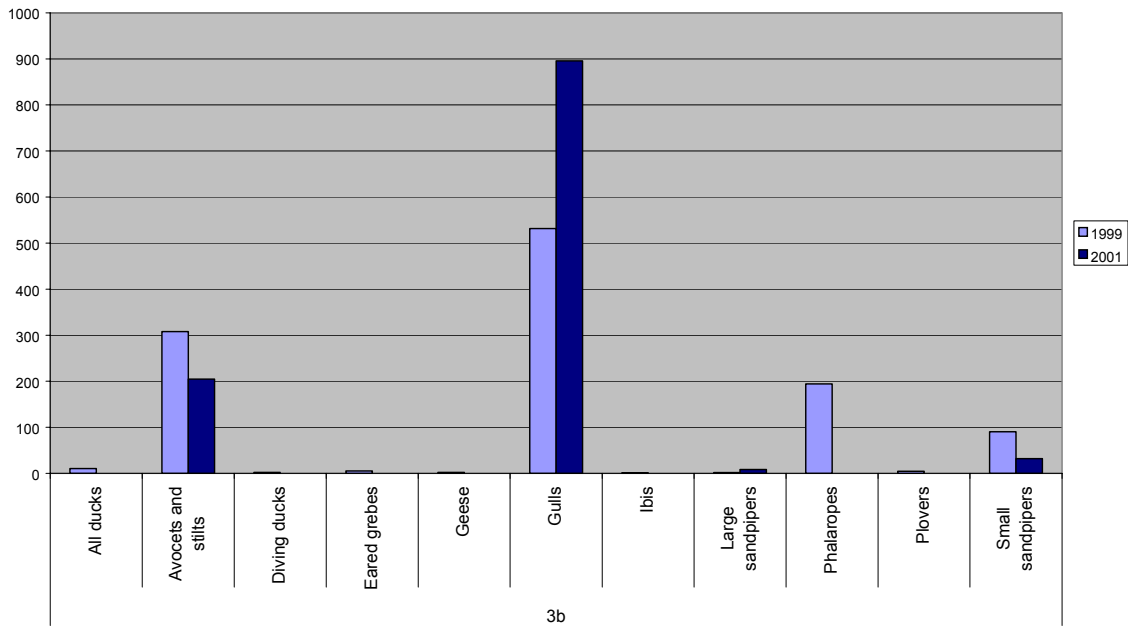
## Area 3a (Stansbury Island South- N), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 3a during surveys in 1999	0.0	0.0	0.0	14.3	45.7	0.0	0.0	0.0	0.0	0.0	0.0	40.0
Mean percent of habitat type at point 3a during surveys in 2001	0.0	0.0	0.0	48.2	14.6	0.0	0.0	0.0	0.0	0.0	0.0	37.1
<b>1999 mean counts/survey</b>												
Gulls				29.2	518.5							487.6
Avocets and stilts					25.0							406.9
Small sandpipers					11.9							49.6
Plovers					3.0							
Phalaropes												183.5
Eared grebes												21.0
<b>2001 mean counts/survey</b>												
Gulls					23.2							115.9
Avocets and stilts												8.8
Small sandpipers					8.7							
Plovers				28.1	21.9							



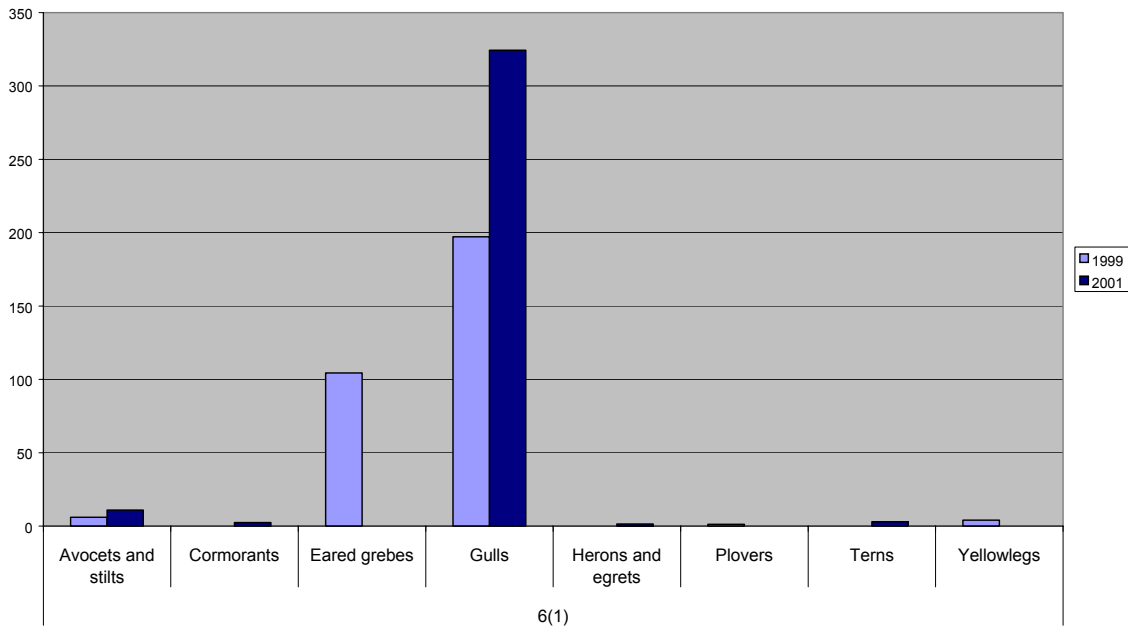
## Area 3b (Stansbury Island South- S), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 3b during surveys in 1999	0.0	0.9	0.0	14.1	39.7	0.9	0.0	6.2	0.0	0.0	0.3	37.9
Mean percent of habitat type at point 3b during surveys in 2001	0.0	0.0	0.0	53.8	7.8	2.2	0.0	0.0	0.0	0.0	0.0	36.3
<b>1999 mean counts/survey</b>												
Gulls				0.9	353.2	9.5		49.9				118.2
Diving ducks												2.0
All ducks												10.0
Avocets and stilts					5.0			3.1				299.6
Small sandpipers					42.3							47.7
Plovers				0.7	2.4			0.7			0.3	
Phalaropes					22.7							171.5
Large sandpipers					1.2						0.3	0.2
Ibis					1.0							
Eared grebes												5.0
Geese					2.0							
<b>2001 mean counts/survey</b>												
Gulls				11.4	151.0							733.3
Avocets and stilts				0.2	15.2							189.4
Small sandpipers					10.0							21.7
Large sandpipers				2.8	3.3							2.0



# Area 6 (Saltair), Point 1

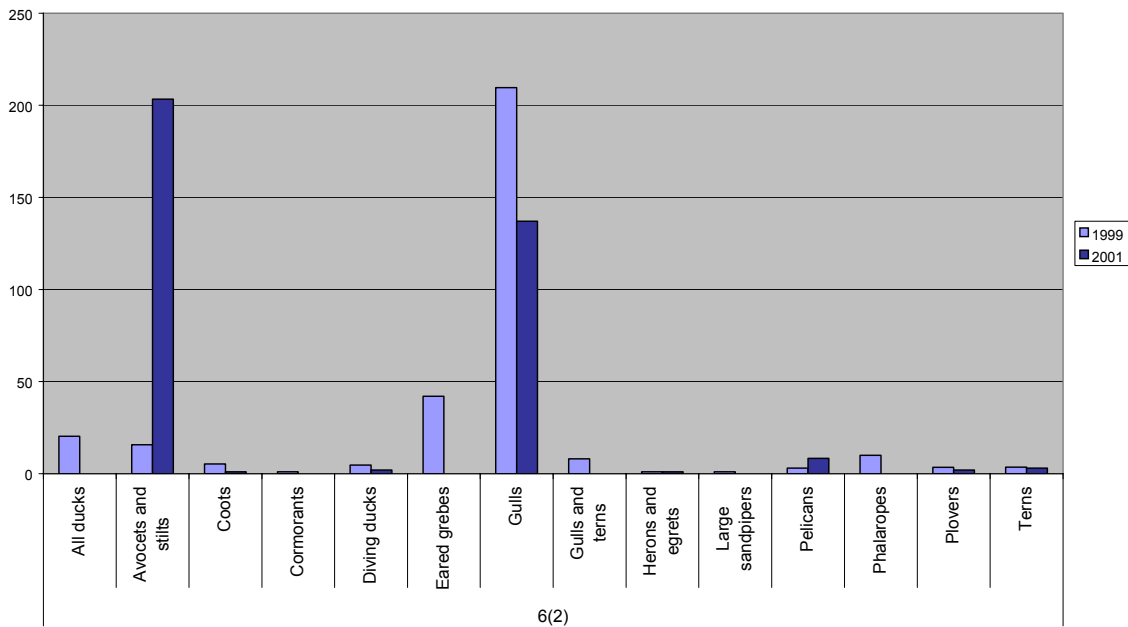
	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 6-1 during surveys in <b>1999</b>	2.1	3.2	0.0	2.4	6.8	12.1	19.4	0.3	4.1	8.8	0.0	40.9
Mean percent of habitat type at point 6-1 during surveys in <b>2001</b>	0.0	0.0	0.0	0.7	6.7	15.3	25.0	0.3	10.0	0.0	0.0	42.0
<b>1999 mean counts/survey</b>												
Gulls		1.325			13.69	71.76	10.75					99.7
Avocets and stilts		1.6			4							0.4
Yellowlegs					4							
Plovers							1.2					
Eared grebes												104.4
<b>2001 mean counts/survey</b>												
Gulls					19.3	177.6	20.7					106.8
Terns						1.8						1.2
Heron and egrets						1.0			0.5			
Avocets and stilts												11.0
Cormorants						2.5						



6(1)

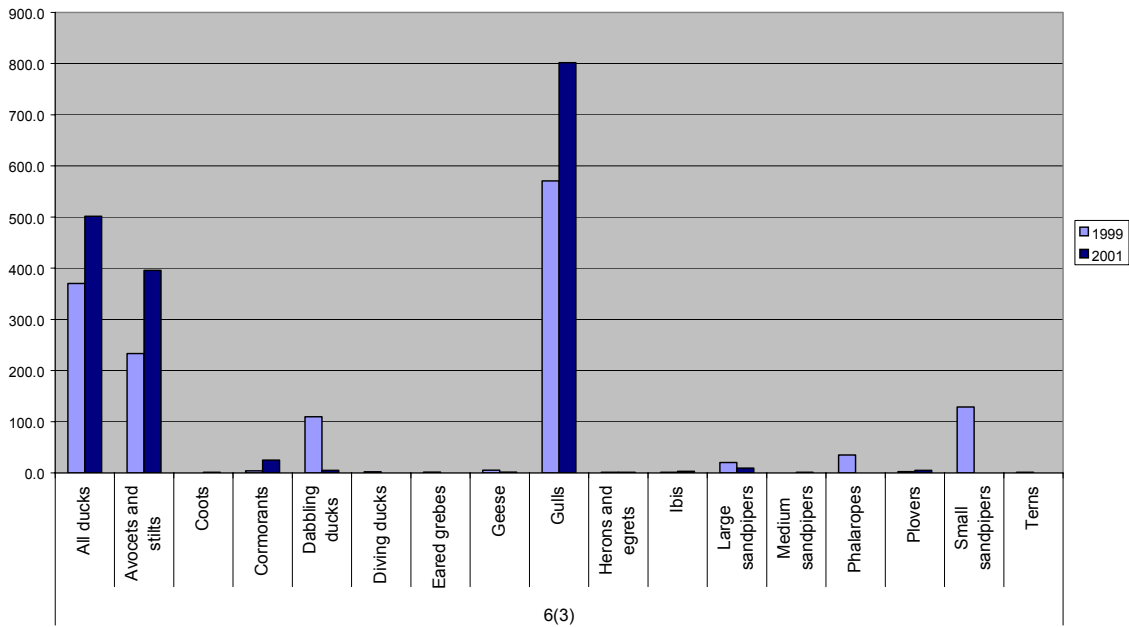
## Area 6 (Saltair), Point 2

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 6-2 during surveys in 1999	6.6	3.1	0.0	3.4	10.0	5.6	14.1	0.0	2.5	13.4	0.6	40.6
Mean percent of habitat type at point 6-2 during surveys in 2001	6.0	0.0	0.0	7.9	8.5	0.7	20.9	0.3	9.9	4.3	0.3	41.2
<b>1999 mean counts/survey</b>												
Gulls	0.1				13.3					0.5		195.8
Terns	0.2				1.8		0.2			1.3		
Gulls and terns					4.0					3.0		1.0
Diving ducks					1.6					3.1		
All ducks					13.2					2.7		4.4
Hérons and egrets					0.3					0.7		
Avocets and stilts				0.5	5.3					6.1		3.8
Plovers	0.6				1.6	1.0	0.2					
Phalaropes										10.0		
Large sandpipers					1.0							
Pelicans					1.5					1.5		
Eared grebes										0.6		41.4
Coots										5.3		
Cormorants										1.0		
<b>2001 mean counts/survey</b>												
Gulls					81.7							55.5
Terns												3.0
Diving ducks												2.0
Hérons and egrets	0.5									0.5		
Avocets and stilts					88.7							114.6
Plovers					2.0							
Pelicans												
Coots											1.0	



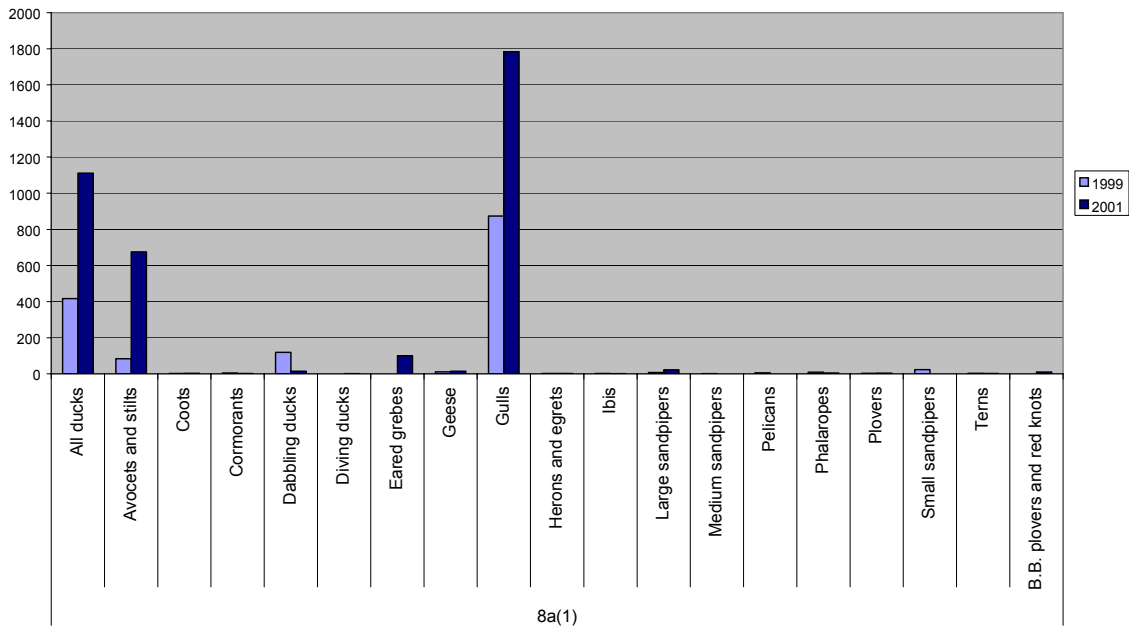
# Area 6 (Saltair), Point 3

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 6-3 during surveys in 1999	6.6	3.1	0.0	3.4	10.0	5.6	14.1	0.0	2.5	13.4	0.6	40.6
Mean percent of habitat type at point 6-3 during surveys in 2001	6.0	0.0	0.0	7.9	8.5	0.7	20.9	0.3	9.9	4.3	0.3	41.2
<b>1999 mean counts/survey</b>												
Gulls	0.3			0.3	172.6						261.3	136.6
Terns					1.0							
Dabbling ducks											75.6	34.0
Diving ducks											2.0	
All ducks											190.0	180.3
Hérons and egrets	0.5								0.5			
Avocets and stilts					71.8						137.6	23.9
Small sandpipers					78.4						6.5	43.9
Plovers	0.1			0.3	2.1							
Phalaropes											35.0	
Large sandpipers					2.8						17.2	
Ibis											1.0	
Eared grebes										0.8	0.5	0.3
Geese										2.6	2.8	
Cormorants											4.0	
<b>2001 mean counts/survey</b>												
Gulls				19.5	317.4						407.0	58.1
Dabbling ducks										2.6	2.2	
All ducks					120.0						381.7	
Hérons and egrets									1.0			
Avocets and stilts					84.2						298.7	12.7
Plovers				0.3	4.7							
Large sandpipers										3.0	6.0	
Ibis										3.0		
Coots										1.0		
Geese					0.5						1.0	
Cormorants												25.0
Medium sandpipers					0.5					0.5		



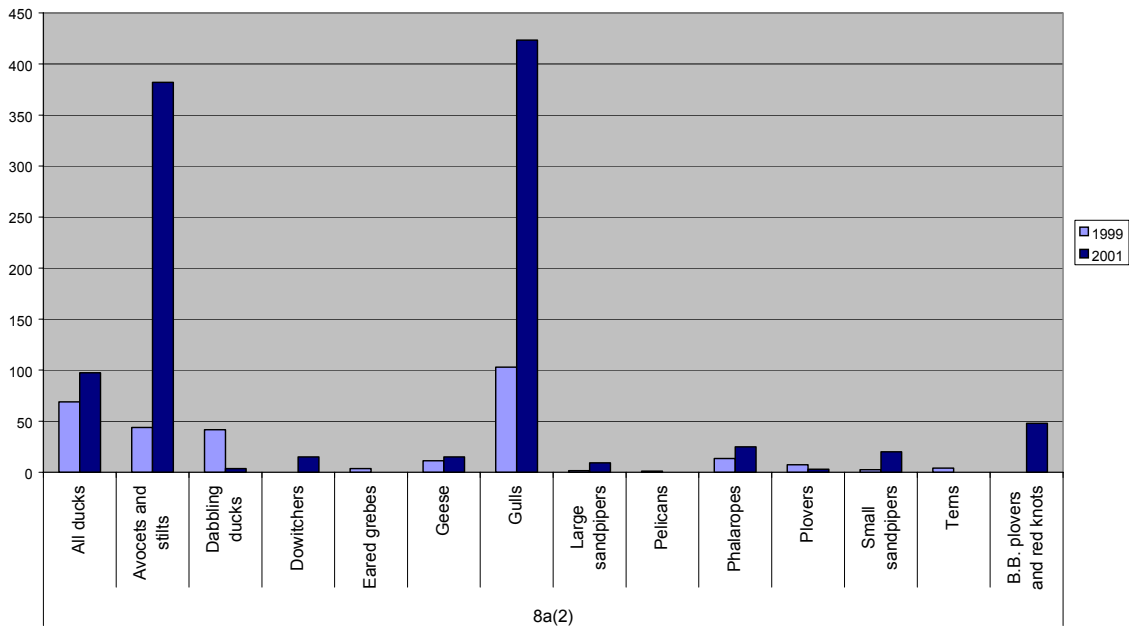
# Area 8a (Kennecott- Lakeside), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 8a1 during surveys in 1999	6.9	3.9	0.6	8.4	9.3	0.0	32.5	4.9	0.0	0.0	26.4	6.5
Mean percent of habitat type at point 8a1 during surveys in 2001	5.6	0.4	0.0	62.6	14.5	0.0	0.2	0.1	0.5	0.0	13.8	1.8
<b>1999 mean counts/survey</b>												
Gulls					180.1						692.5	1.0
Terns					3.0							
Dabbling ducks		0.4		0.4	11.4						106.7	
All ducks					22.2						394.7	
Hérons and egrets	0.5						0.2				1.0	
Avocets and stilts		0.0			18.9						62.7	2.0
Small sandpipers					5.3						17.3	
Plovers				0.3	2.3		0.2					
Phalaropes				4.5							4.0	
Large Sandpipers				0.2	1.7		0.2	0.2			5.0	
Ibis					1.0			0.5				
Pelicans					0.7						5.2	
Coots					2.0							
Geese					1.9						8.5	0.4
Cormorants	0.1				0.2						4.8	
Medium sandpipers					1.0							
<b>2001 mean counts/survey</b>												
Gulls				344.8	508.2						896.1	35.3
Terns	2.0											
Dabbling ducks	0.5			0.7	2.2						8.8	1.7
Diving ducks											1.0	
All ducks					29.0						1067.9	14.8
Hérons and egrets	0.2				0.4						1.0	
Avocets and stilts		0.2			66.3						549.8	58.9
Plovers				1.0	2.5							
Phalaropes											5.0	
Large Sandpipers					0.8			0.2			20.2	0.5
Ibis											1.0	
Eared grebes											100.0	
Coots											2.5	
Geese	0.2			3.5			0.3				10.4	
Cormorants	0.5			0.3							0.8	
Black-bellied plovers and red knots					10.0							



## Area 8a (Kennecott- Lakeside), Point 2

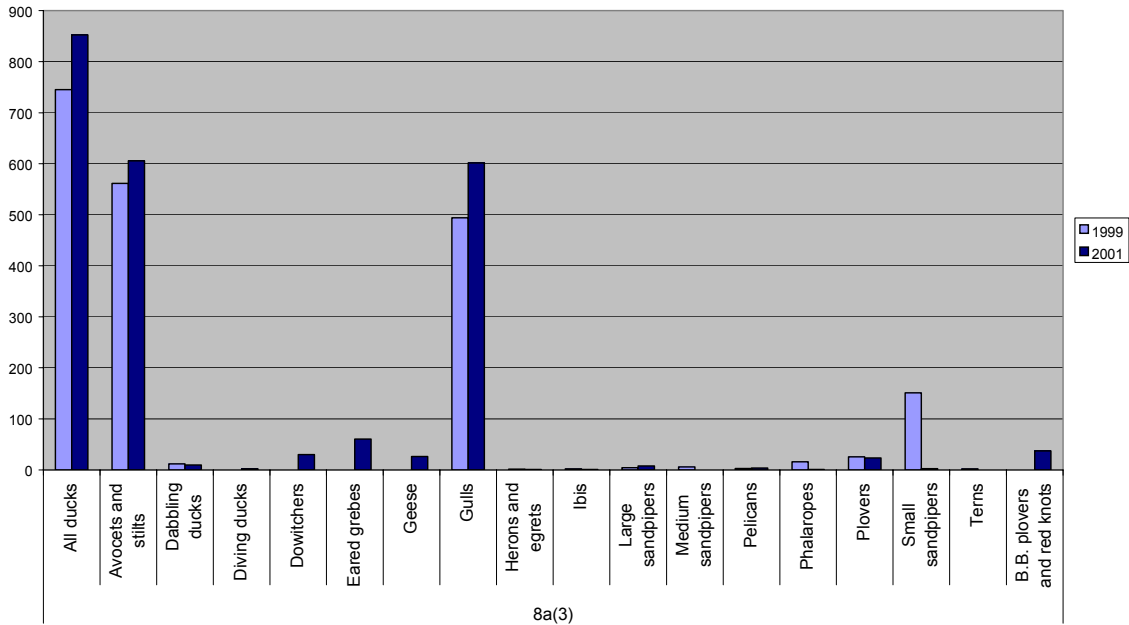
	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 8a2 during surveys in 1999	0.0	7.5	0.0	2.5	7.1	0.0	50.3	0.7	0.0	0.0	1.8	30.1
Mean percent of habitat type at point 8a2 during surveys in 2001	0.0	0.0	0.0	46.8	14.3	18.8	6.3	0.8	0.0	0.0	0.6	12.4
<b>1999 mean counts/survey</b>												
Gulls					2.7							100.2
Terns												4.0
Dabbling ducks		0.3			26.8		0.9					13.7
All ducks												69.0
Avocets and stilts		5.7			1.4						0.3	36.6
Small sandpipers					2.0						0.5	
Plovers		0.5			7.0							
Phalaropes												13.5
Large sandpipers					0.8		0.2	0.2				0.4
Pelicans												1.0
Eared grebes												3.5
Geese							11.3					
<b>2001 mean counts/survey</b>												
Gulls				1.0	200.0	96.2					6.4	119.8
Dabbling ducks												3.5
All ducks												97.4
Avocets and stilts					11.9	3.8					29.2	337.0
Small sandpipers						20.0						
Dowitchers					15.0							
Plovers						3.0						
Phalaropes												25.0
Large sandpipers					0.6	0.4						8.1
Geese												15.0
Black-bellied plovers and red knots												48.0





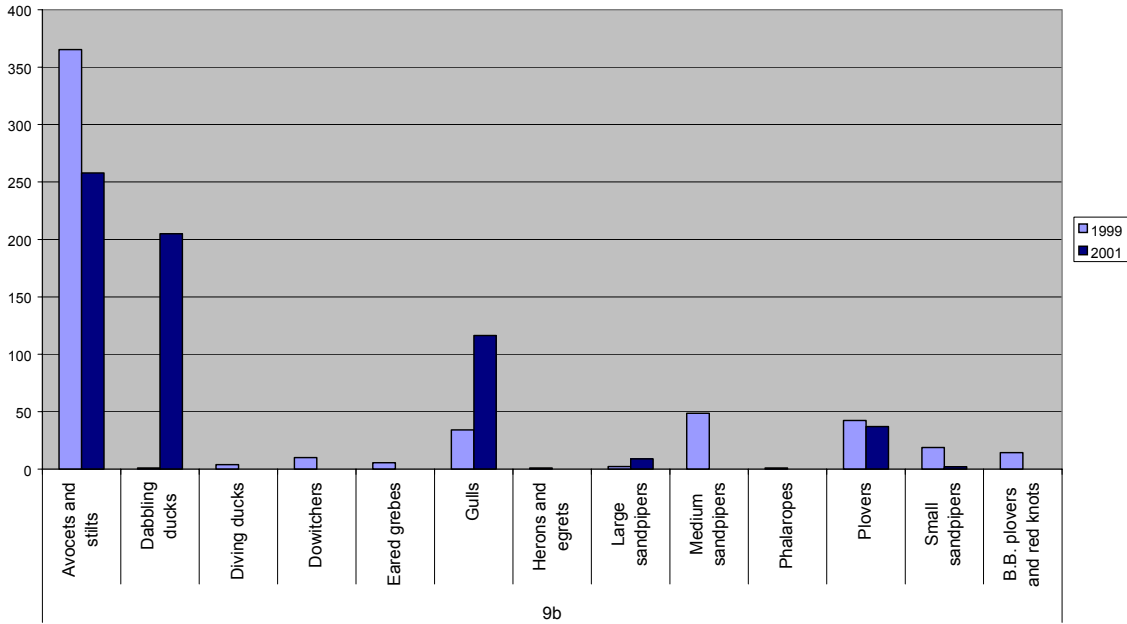
# Area 8a (Kennecott- Lakeside), Point 3

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tail	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 8a3 during surveys in 1999				35.8	22.4		7.6			1.4	4.6	28.8
Mean percent of habitat type at point 8a3 during surveys in 2001				69.8	15.4						0.9	13.9
<b>1999 mean counts/survey</b>												
Gulls				5.6	59.2					31.4	92.3	305.5
Terns					2.0							
Dabbling ducks											1.4	10.6
All ducks											140.4	604.6
Hérons and egrets										0.5	1.0	
Avocets and stilts					49.0					30.5	143.7	338.4
Small sandpipers				1.8	149.4							
Plovers				14.2	11.7							
Phalaropes					9.8						3.3	3.0
Large sandpipers					2.0					1.5	0.2	0.7
Ibis										2.0		
Pelicans					3.0							
Medium sandpipers					6.0							
<b>2001 mean counts/survey</b>												
Gulls				12.8	308.2						34.1	246.4
Dabbling ducks				0.1	4.3							5.3
Diving ducks												2.0
All ducks												852.3
Hérons and egrets												1.0
Avocets and stilts					268.8						23.1	313.8
Small sandpipers					1.3							1.0
Dowitchers					20.7							9.3
Plovers				19.9	3.2							0.1
Phalaropes												1.0
Large sandpipers				0.7	6.7							0.5
Ibis					1.0							
Pelicans											4.0	
Eared grebes												60.5
Geese												2
Black-bellied plovers and red knots					24							
												37



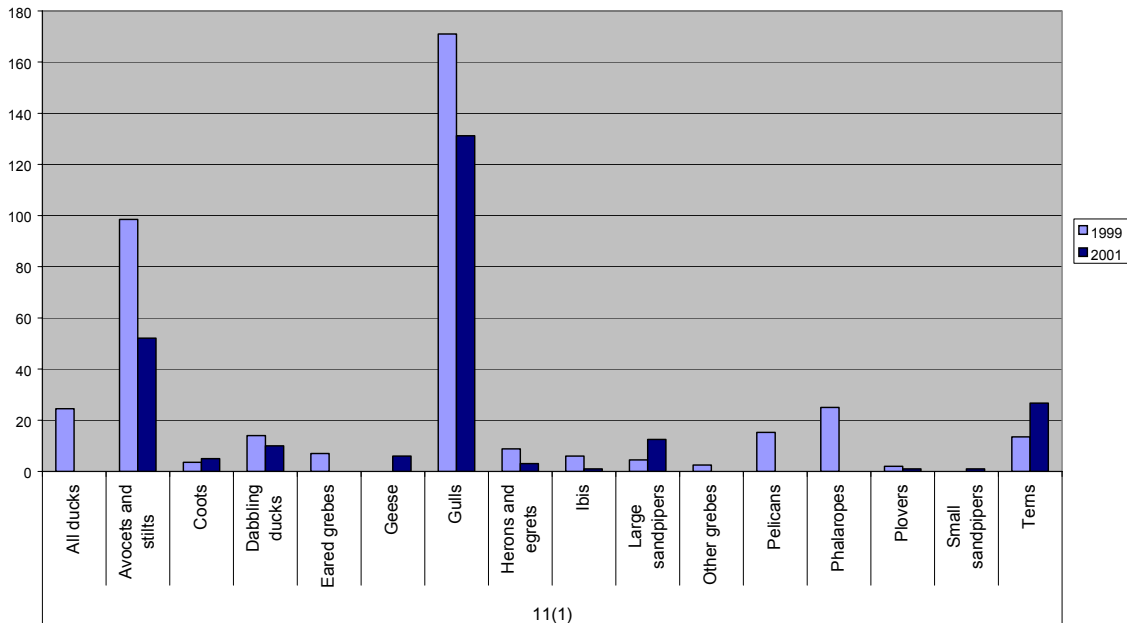
# Area 9b (Audubon Lakeside), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 9b during surveys in 1999				38.6	15.0		4.6	18.2				24.3
Mean percent of habitat type at point 9b during surveys in 2001				59.4	27.6							12.9
<b>1999 mean counts/survey</b>												
Gulls					22.6							11.6
Dabbling ducks												1.0
Diving ducks												4.0
Hérons and egrets								1.0				
Avocets and stilts					2.5							362.8
Small sandpipers					14.9							3.9
Dowitchers								10.0				
Plovers			4.1		5.0			33.2				
Phalaropes												1.0
Large sandpipers					1.0		0.5					0.8
Eared grebes												5.5
Medium sandpipers					48.5							
Black-bellied plovers and red knots				3.0	8.3							3.0
<b>2001 mean counts/survey</b>												
Gulls					100.3							15.9
Dabbling ducks												205.0
Avocets and stilts												248.3
Small sandpipers												1.0
Plovers				27.8	9.4							
Large sandpipers					9.0							



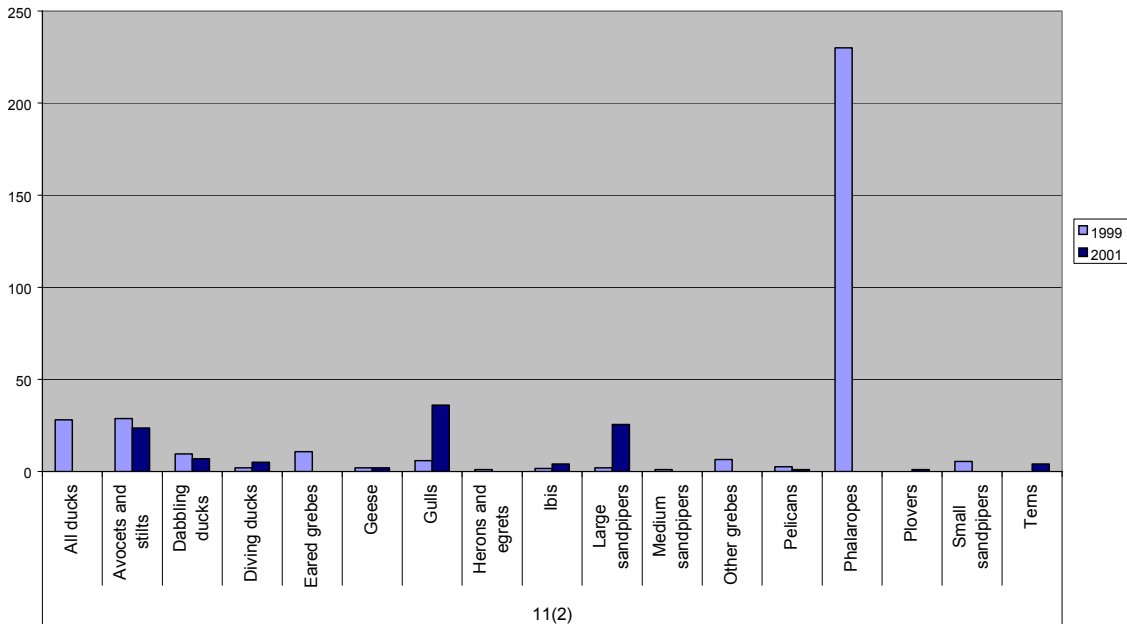
# Area 11 (Farmington Lakeside), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 11-1 during surveys in <b>1999</b>	0.0	0.0	0.0	0.8	1.4	0.1	0.0	0.0	0.0	0.0	93.8	3.8
Mean percent of habitat type at point 11-1 during surveys in <b>2001</b>	0.0	0.0	0.0	52.8	10.0	0.0	0.0	0.0	0.0	7.0	23.1	1.4
<b>1999 mean counts/survey</b>												
Gulls				46.7	97.4							26.9
Terns				12.5								1.0
Dabbling ducks												14.0
All ducks												24.5
Hérons and egrets				3.0	4.9							1.0
Avocets and stilts				11.8	56.8							30.0
Plovers						2.0						
Phalaropes												25.0
Large sandpipers				2.0								2.5
Ibis												6.0
Pelicans				7.0								8.2
Eared grebes												7.0
Coots												3.5
Other grebes												2.5
<b>2001 mean counts/survey</b>												
Gulls				84.8	36.6					0.2		9.5
Terns				1.3						23.0		2.3
Dabbling ducks										8.3		1.8
Hérons and egrets				3.0								
Avocets and stilts				0.4	1.8						10.6	37.3
Small sandpipers												1.0
Plovers												1.0
Large sandpipers					0.3							12.3
Ibis												1.0
Coots												5.0
Geese												6.0



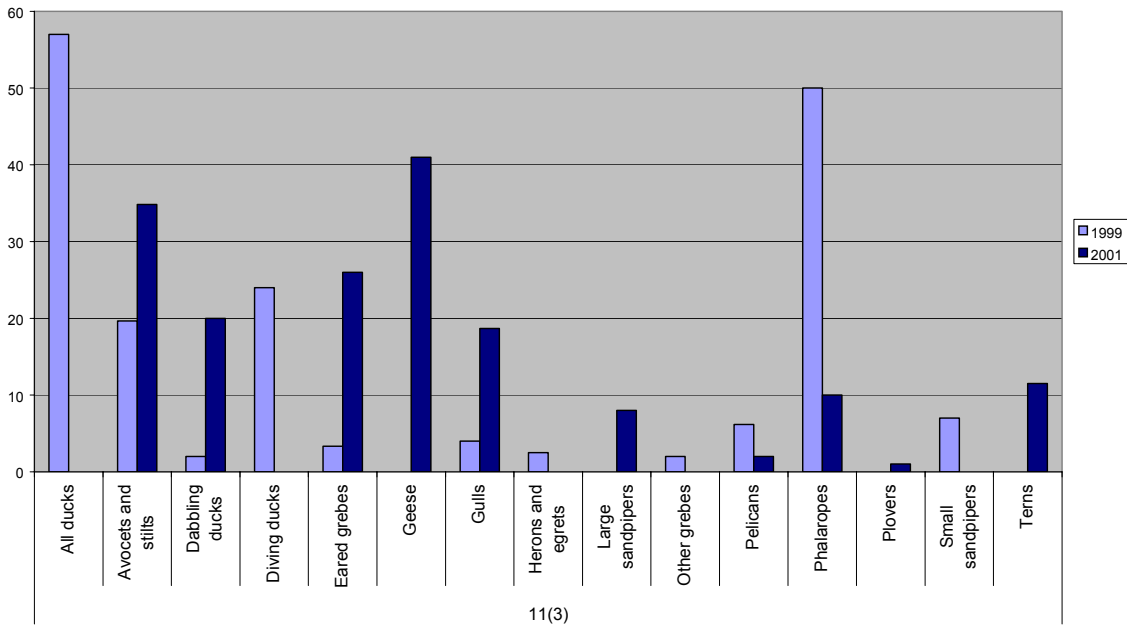
# Area 11 (Farmington Lakeside), Point 2

	Habitat types												
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt	
Mean percent of habitat type at point 11-2 during surveys in 1999	0.0	0.4	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	95.2	3.8	
Mean percent of habitat type at point 11-2 during surveys in 2001	0.0	0.0	0.0	31.5	3.7	0.0	0.0	0.0	0.0	0.0	50.7	14.0	
<b>1999 mean counts/survey</b>													
Gulls												5.8	
Dabbling ducks												9.5	
Diving ducks												2.0	
All ducks												28.0	
Hérons and egrets												1.0	
Avocets and stilts						10.0						18.8	
Small sandpipers						4.5						1.0	
Phalaropes												230.0	
Large sandpipers						2.0							
Ibis		0.6				0.1						1.0	
Pelicans												2.6	
Eared grebes												10.8	
Geese												2.0	
Medium sandpipers												1.0	
Other grebes												6.5	
<b>2001 mean counts/survey</b>													
Gulls				2.2	6.2							2.3	25.4
Terns													4.0
Dabbling ducks													7.0
Diving ducks													5.0
Avocets and stilts					0.4								19.8
Plovers				1.0									3.4
Large sandpipers													25.5
Ibis				4.0									
Pelicans													1.0
Geese													2.0



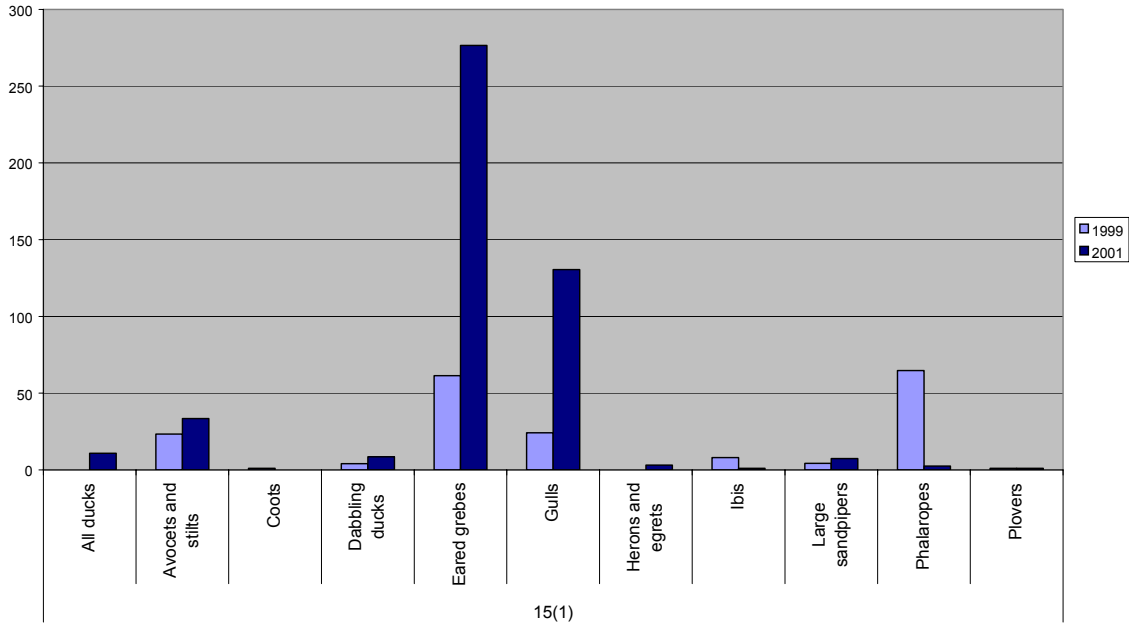
# Area 11 (Farmington Lakeside), Point 3

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 11-3 during surveys in 1999	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	90.8	3.8
Mean percent of habitat type at point 11-3 during surveys in 2001	0.0	0.0	0.0	29.9	2.1	0.0	0.0	0.0	0.0	0.3	52.1	15.7
<b>1999 mean counts/survey</b>												
Gulls											2.6	1.4
Dabbling ducks											2.0	
Diving ducks											24.0	
All ducks											57.0	
Hérons and egrets											2.5	
Avocets and stilts						12.3					7.3	
Small sandpipers						5.5					1.5	
Phalaropes											50.0	
Pelicans											5.5	0.7
Eared grebes											2.3	1.0
Other grebes											2.0	
<b>2001 mean counts/survey</b>												
Gulls				1.0	5.1						6.0	6.6
Terns											11.5	
Dabbling ducks										16.3	3.8	
Avocets and stilts				3.6							6.0	25.3
Plovers				1.0								
Phalaropes												10.0
Large sandpipers											8.0	
Pelicans											1.5	0.5
Eared grebes											26.0	
Geese											41.0	



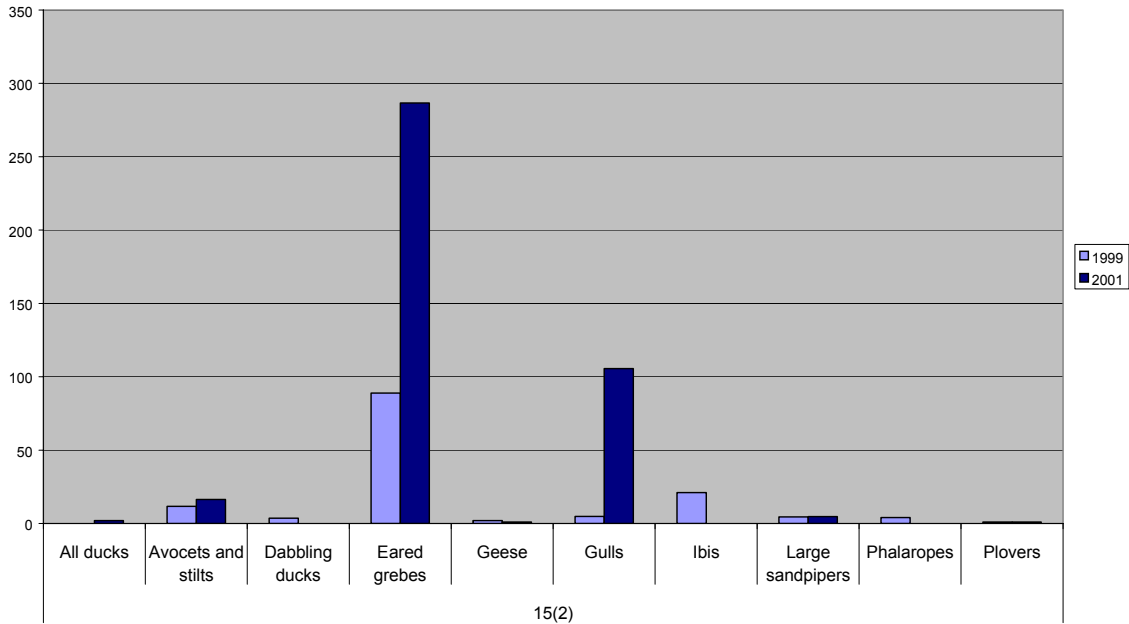
# Area 15 (Antelope Island West), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 15-1 during surveys in 1999	0.0	25.1	0.0	0.0	11.2	0.0	7.5	0.0	0.0	0.9	23.4	31.9
Mean percent of habitat type at point 15-1 during surveys in 2001	0.0	30.4	0.0	0.0	40.9	0.0	4.9	0.0	0.0	0.0	7.9	15.9
<b>1999 mean counts/survey</b>												
Gulls					24.1							
Dabbling ducks		1.0			0.7						0.3	2.0
Avocets and stilts		4.0			10.2					0.1	8.5	0.5
Plovers					1.0							
Phalaropes					16.1						33.5	15.1
Large Sandpipers		1.5			2.4							0.3
Ibis		8.0										
Eared grebes												61.4
Coots											1.0	
<b>2001 mean counts/survey</b>												
Gulls					60.7						1.8	68.0
Dabbling ducks											6.9	1.6
All ducks					2.3						7.4	1.2
Hérons and egrets												3.0
Avocets and stilts					13.0		0.4				11.5	8.5
Plovers					1.0							
Phalaropes											0.5	2.0
Large Sandpipers					3.7		2.1				1.1	0.5
Ibis											1.0	
Eared grebes												276.6



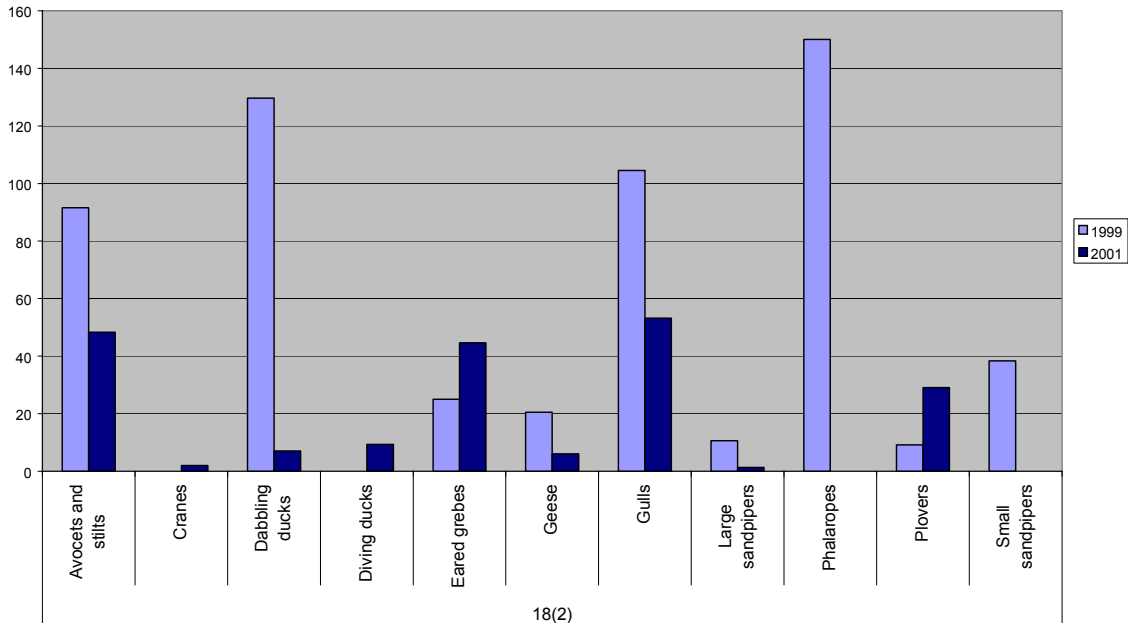
## Area 15 (Antelope Island West), Point 2

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 15-2 during surveys in 1999	0.0	28.0	0.0	0.0	14.3	0.0	8.0	0.0	0.0	0.0	2.0	47.7
Mean percent of habitat type at point 15-2 during surveys in 2001	0.0	34.0	0.0	0.0	41.6	0.0	9.8	0.0	0.0	0.0	0.9	13.6
<b>1999 mean counts/survey</b>												
Gulls					3.7							1.2
Dabbling ducks		3.0										0.7
Avocets and stilts		0.8			9.1						0.5	1.2
Plovers					1.0							
Phalaropes					0.2						3.8	
Large sandpipers		2.3			0.9						0.1	1.2
Ibis												21.0
Eared grebes												89.0
Geese					2.0							
<b>2001 mean counts/survey</b>												
Gulls					53.4						1.8	50.3
All ducks					1.0							1.0
Avocets and stilts					4.7						0.8	11.0
Plovers		1.0										
Large sandpipers		0.2			2.9						0.4	1.2
Eared grebes												286.7
Geese											0.5	0.5



## Area 18 (West Layton), Point 2

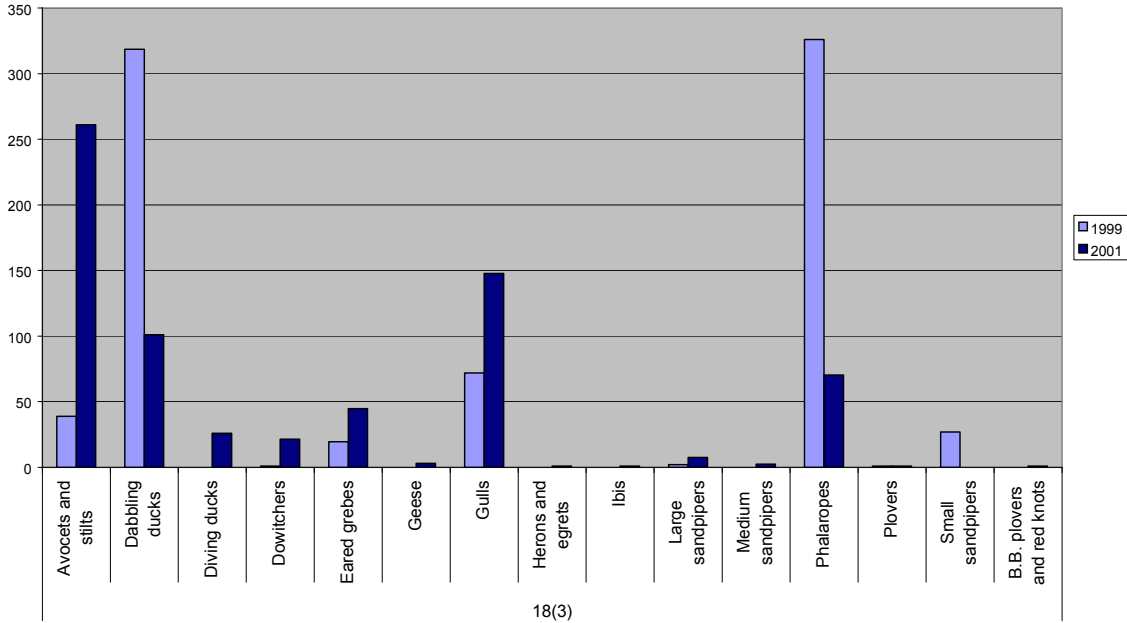
	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 18-2 during surveys in 1999	0.5	0.0	0.0	23.1	10.4	0.0	0.0	13.5	0.0	0.3	1.3	50.9
Mean percent of habitat type at point 18-2 during surveys in 2001	0.0	0.0	0.0	38.5	18.5	0.0	0.0	15.0	5.0	0.0	0.0	23.0
<b>1999 mean counts/survey</b>												
Gulls					18.7							85.8
Dabbling ducks					3.3							126.3
Avocets and stilts					18.5						0.2	72.9
Small sandpipers				10.4	27.9							
Plovers				7.6	1.5			0.0				
Phalaropes												150.0
Large sandpipers					10.6							
Eared grebes												25.0
Geese				11.8								8.8
<b>2001 mean counts/survey</b>												
Gulls					12.3							40.8
Dabbling ducks												7.0
Diving ducks												9.3
Avocets and stilts					5.4							42.9
Plovers				26.6	1.6							0.9
Large sandpipers					0.7							0.7
Eared grebes												44.7
Geese								0.7	5.3			
Cranes									2.0			





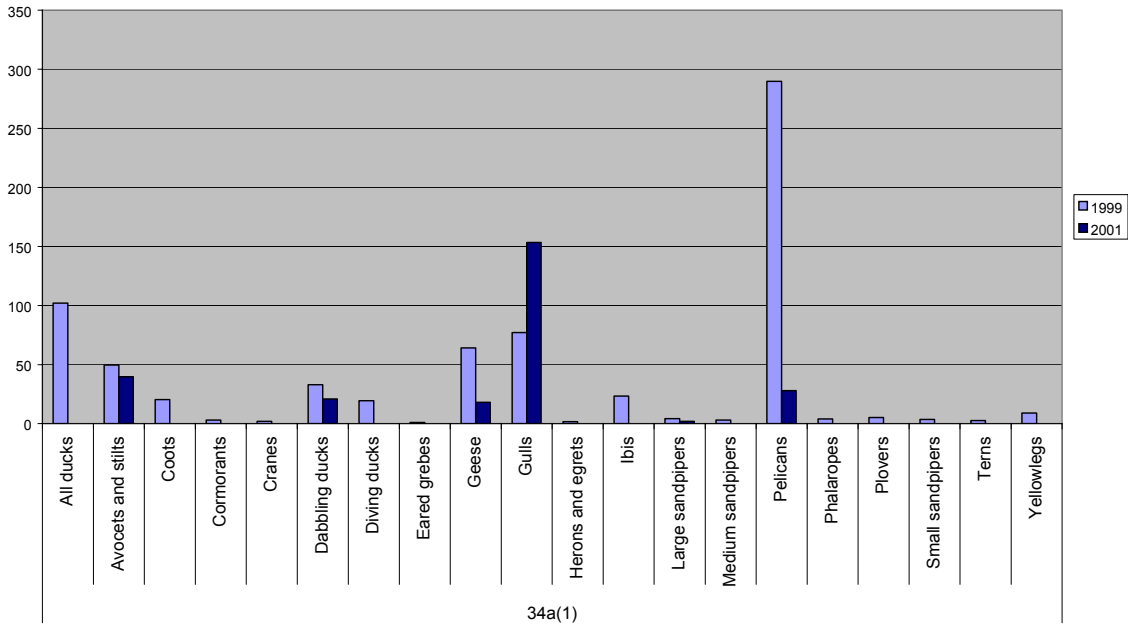
# Area 18 (West Layton), Point 3

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 18-3 during surveys in 1999	0.0	0.0	0.0	19.0	17.2	1.1	12.9	5.0	0.0	0.0	0.3	44.4
Mean percent of habitat type at point 18-3 during surveys in 2001	4.0	0.0	0.0	34.5	13.8	0.0	35.0	0.0	0.0	0.0	1.0	11.7
<b>1999 mean counts/survey</b>												
Gulls					15.0	0.1					8.6	48.2
Dabbling ducks					0.2						32.1	286.3
Avocets and stilts					1.4	0.5		0.2				36.8
Small sandpipers				26.5	0.5							
Dowitchers					1.0							
Plovers				1.0								
Phalaropes					40.8							285.2
Large sandpipers					0.3			0.7				1.0
Eared grebes												19.5
<b>2001 mean counts/survey</b>												
Gulls					51.5						17.2	79.0
Dabbling ducks					0.1						0.3	100.8
Diving ducks												26.0
Hérons and egrets											0.5	0.5
Avocets and stilts					15.4						1.4	244.3
Dowitchers					1.5							20.0
Plovers					0.5						0.5	
Phalaropes												70.3
Large sandpipers	1.4				5.6						0.4	0.3
Ibis	1.0											
Eared grebes												44.7
Geese							2.7					0.3
Medium sandpipers					2.5							
Black-bellied plovers and red knots					1.0							



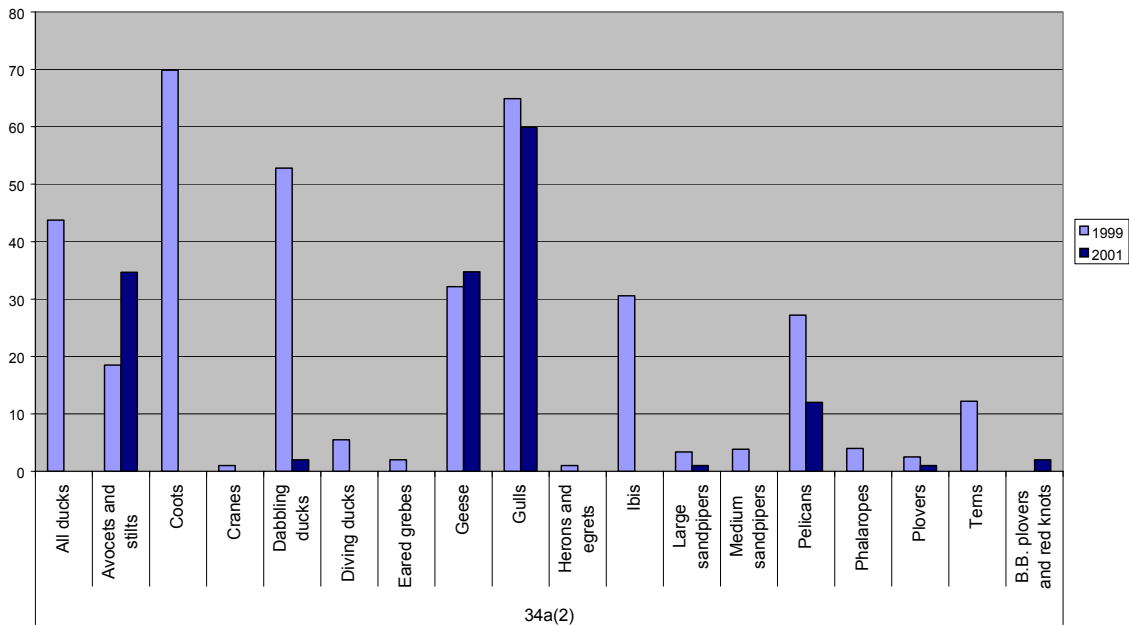
# Area 34a (East Promontory- N), Point 1

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, drv	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 34a-1 during surveys in 1999	23.1	0.0	0.0	11.7	14.6	3.2	6.6	6.6	2.5	0.0	0.9	30.8
Mean percent of habitat type at point 34a-1 during surveys in 2001	4.1	0.0	0.0	57.9	12.6	1.0	0.0	3.9	0.7	0.0	0.0	19.8
<b>1999 mean counts/survey</b>												
Gulls	1.1			4.2	16.4	0.9		1.4				53.2
Terns	0.3			2.0	0.3							
Dabbling ducks	10.8						12.2					10.0
Diving ducks							15.0					4.3
All ducks					2.4		39.0					60.7
Hérons and egrets	0.2						1.5					
Avocets and stilts	1.5				10.8	0.9						36.4
Small sandpipers	0.5				3.0							
Yellowlegs					9.0							
Plovers				0.2	4.8			0.2				
Phalaropes												4.0
Large sandpipers	0.8			0.3	2.3	0.1		0.7				0.1
Ibis	7.2			0.4	12.3			0.5				2.9
Pelicans					18.5	195.0					3.3	73.0
Eared grebes												1.0
Coots						1.4						18.9
Geese	1.9				1.1	37.6		0.4				23.1
Cormorants						3.0						
Cranes	2.0											
Medium sandpipers												3.0
<b>2001 mean counts/survey</b>												
Gulls					94.0	39.8						19.6
Dabbling ducks	1.1											20.0
Avocets and stilts					13.6							26.1
Large sandpipers	1.5							0.5				
Pelicans	12.4											15.6
Geese	12.5				2.0							3.5



## Area 34a (East Promontory- N), Point 2

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 34a-2 during surveys in 1999	22.0	0.0	0.0	16.5	14.7	0.7	3.7	3.0	0.0	0.0	0.0	39.0
Mean percent of habitat type at point 34a-2 during surveys in 2001	1.0	0.0	0.0	45.6	17.6	0.0	0.0	2.0	0.0	0.0	0.0	33.9
<b>1999 mean counts/survey</b>												
Gulls	0.3			6.7	30.8	4.3						22.9
Terns				0.8	0.6							10.8
Dabbling ducks					3.4							49.4
Diving ducks					1.6							3.9
All ducks												43.8
Herons and egrets												1.0
Avocets and stilts	0.6			0.2	4.1			0.1				13.6
Plovers				2.5								
Phalaropes					3.5							0.5
Large sandpipers	1.0			0.1	1.9							0.4
Ibis	10.4				4.3							15.9
Pelicans						3.4						23.8
Eared grebes												2.0
Coots												69.9
Geese				5.7	7.2							19.3
Cranes	1.0											
Medium sandpipers												3.8
<b>2001 mean counts/survey</b>												
Gulls				0.3	52.1							7.5
Dabbling ducks												2.0
Avocets and stilts					8.3							26.4
Plovers					1.0							
Large sandpipers								1.0				
Pelicans												12.0
Geese												34.8
Black-bellied plovers and red knots					2.0							



# Area 34a (East Promontory- N), Point 3

	Habitat types											
	Emergent vegetation, discharge	Emergent vegetation, marsh	Emergent vegetation, riverine	Mud, dry	Mud, wet	Other, rocks	Other, uplands	Playa, short	Playa, tall	Water, fresh	Water, mixed	Water, salt
Mean percent of habitat type at point 34a-3 during surveys in 1999	30.6			3.2	7.9	1.1	21.4	0.7			1.7	33.4
Mean percent of habitat type at point 34a-3 during surveys in 2001	10.0			49.9	11.4		2.6	2.4			0.9	22.6
<b>1999 mean counts/survey</b>												
Gulls	0.3			2.5	32.7						4.3	25.0
Terns				11.0	41.4	8.4						
Dabbling ducks	0.4				0.6			3.5				10.4
Diving ducks												4.7
All ducks					39.8	1.7					1.1	12.3
Hérons and egrets	10.7			0.1	15.2	0.0		1.1			0.3	0.4
Avocets and stilts	0.5			6.8	7.1							4.2
Large sandpipers	0.5				1.8	0.2	0.3	0.2				0.2
Ibis	3.6				1.3						0.2	6.2
Pelicans	0.8					4.1						11.8
Coots					0.2							103.6
Geese												36.8
Cormorants						1.3						1.0
Cranes					1.0		1.0					
Medium sandpipers											0.0	22.4
<b>2001 mean counts/survey</b>												
Gulls	5.6				25.2							7.4
Dabbling ducks	1.0											
Avocets and stilts	11.8				4.3						13.5	6.0
Plovers				0.3			0.7					
Large sandpipers	11.6				8.4						0.7	0.3
Ibis	1.0											
Pelicans							3.0					2.0
Geese	3.3				4.3							115.3
Cranes	0.7			0.7			0.7					
Black-bellied plovers and red knots											75.0	

