

## Insider Trading Report

\* This summary starts with each insider's opening balance as of June 2, 2014, if any. Balance includes shares held by individual directly, or indirectly, or by entities which he or she controls.

\* All data is provided to the corporation by the individual insider. The insider is responsible to file insider reports on www.sedi.ca. This report includes only the option exercises transactions that result in a net change of the share ownership of the insiders.

Name	Position	Date	Trade Type	Ownership Type	Comment	Number of Shares	Price per share	Value	Opening Balance (shares)	Closing Balance (shares)
Don Gray	Chairman	4-Jun-14		Direct/Indirect	Opening Balance					6,755,506
Don Gray	Chairman	5-Sep-14	Buy	Direct	Private Placement	1,000,000	\$ 4.00	\$ 4,000,000	6,755,506	7,755,506
Don Gray	Chairman	2-Feb-16	Buy	Direct	Private Placement	405,500	\$ 1.85	\$ 750,175	7,755,506	8,161,006
Don Gray	Chairman				Consolidation (4:1) <sup>(1)</sup>				8,161,006	2,040,252
Don Gray	Chairman	13-Jul-16	Buy	Direct	Market	150,000	\$ 2.00	\$ 300,000	2,040,252	2,190,252
Don Gray	Chairman	15-Jul-16	Buy	Direct	Market	115,500	\$ 2.00	\$ 231,000	2,190,252	2,305,752
Don Gray	Chairman	23-Aug-16	Buy	Direct	Market	81,600	\$ 2.05	\$ 167,655	2,305,752	2,387,352
Don Gray	Chairman	23-Sep-16	Buy	Direct	Market	113,710	\$ 1.93	\$ 219,460	2,387,352	2,501,062
Don Gray	Chairman	30-Sep-16	Buy	Direct	Market	100,000	\$ 1.94	\$ 194,000	2,501,062	2,601,062
Don Gray	Chairman	10-Nov-16	Buy	Direct	Market	79,100	\$ 1.84	\$ 145,544	2,601,062	2,680,162
Don Gray	Chairman	11-Nov-16	Buy	Direct	Market	100,000	\$ 1.88	\$ 188,000	2,680,162	2,780,162
Don Gray	Chairman	14-Nov-16	Buy	Direct	Market	77,900	\$ 1.87	\$ 145,673	2,780,162	2,858,062
Don Gray	Chairman	15-Nov-16	Buy	Direct	Market	79,600	\$ 2.08	\$ 165,568	2,858,062	2,937,662
Don Gray	Chairman	16-Nov-16	Buy	Direct	Market	23,600	\$ 2.25	\$ 53,100	2,937,662	2,961,262
Don Gray	Chairman	18-Nov-16	Buy	Direct	Market	8,800	\$ 2.35	\$ 20,680	2,961,262	2,970,062
Don Gray	Chairman	21-Nov-16	Buy	Direct	Market	52,000	\$ 2.45	\$ 127,400	2,970,062	3,022,062
Don Gray	Chairman	22-Nov-16	Buy	Direct	Market	29,700	\$ 2.48	\$ 73,656	3,022,062	3,051,762
Don Gray	Chairman	23-Nov-16	Buy	Direct	Market	21,000	\$ 2.50	\$ 52,500	3,051,762	3,072,762
Don Gray	Chairman	1-Dec-16	Buy	Direct	Private	8,564	\$ 2.49	\$ 21,324	3,072,762	3,081,326
Don Gray	Chairman	5-Dec-16	Transfer	Indirect	Private	429,926	\$ 2.49	\$ 1,070,516	3,081,326	3,511,252
Don Gray	Chairman	7-Dec-16	Buy	Direct	Market	34,600	\$ 2.89	\$ 99,994	3,511,252	3,545,852
Don Gray	Chairman	20-Dec-16	Buy	Direct	Market	6,000	\$ 3.14	\$ 18,840	3,545,852	3,551,852
Don Gray	Chairman	21-Dec-16	Buy	Direct	Market	100,000	\$ 3.30	\$ 330,000	3,551,852	3,651,852
Don Gray	Chairman	6-Jan-17	Buy	Direct	Market	100,000	\$ 3.19	\$ 319,000	3,651,852	3,751,852
Don Gray	Chairman	6-Jan-17	Buy	Direct	Market	70,000	\$ 3.20	\$ 224,000	3,751,852	3,821,852
Don Gray	Chairman	9-Jan-17	Buy	Direct	Market	30,000	\$ 3.20	\$ 96,000	3,821,852	3,821,852
Don Gray	Chairman	13-Jan-17	Buy	Direct	Market	53,200	\$ 2.99	\$ 159,068	3,821,852	3,905,052
Don Gray	Chairman	16-Jan-17	Buy	Direct	Market	500	\$ 3.00	\$ 1,500	3,905,052	3,905,552
Don Gray	Chairman	17-Jan-17	Buy	Direct	Private	18,750	\$ 2.98	\$ 55,875	3,905,552	3,924,302
Don Gray	Chairman	28-Feb-17	Buy	Direct	Private Placement	1,585,000	\$ 2.53	\$ 4,010,050	3,924,302	5,509,302
Don Gray	Chairman	31-Mar-17	Buy	Direct	Market	7,900	\$ 2.37	\$ 18,723	5,509,302	5,517,202
Don Gray	Chairman	3-Apr-17	Buy	Direct	Market	132,700	\$ 2.49	\$ 330,423	5,517,202	5,649,902
Don Gray	Chairman	5-Apr-17	Buy	Direct	Market	20,100	\$ 2.69	\$ 54,069	5,649,902	5,670,002
Don Gray	Chairman	14-Jun-17	Buy	Direct	Market	50,800	\$ 2.26	\$ 114,808	5,670,002	5,720,802
Don Gray	Chairman	15-Jun-17	Buy	Direct	Market	11,300	\$ 2.30	\$ 25,990	5,720,802	5,732,102
Don Gray	Chairman	16-Jun-17	Buy	Direct	Market	400	\$ 2.30	\$ 920	5,732,102	5,732,502
Don Gray	Chairman	22-Jun-17	Buy	Direct	Market	33,200	\$ 2.17	\$ 72,044	5,732,502	5,765,702
Don Gray	Chairman	23-Jun-17	Buy	Direct	Market	37,400	\$ 2.30	\$ 86,020	5,765,702	5,803,102
Don Gray	Chairman	28-Jun-17	Buy	Direct	Market	44,000	\$ 2.20	\$ 96,800	5,803,102	5,847,102
Don Gray	Chairman	28-Jun-17	Buy	Direct	Market	11,100	\$ 2.19	\$ 24,309	5,847,102	5,858,202
Don Gray	Chairman	12-Jul-17	Buy	Direct	Market	162,100	\$ 2.25	\$ 364,725	5,858,202	6,020,302
Don Gray	Chairman	11-Aug-17	Buy	Direct	Market	188,000	\$ 2.24	\$ 421,120	6,020,302	6,208,302
Don Gray	Chairman	18-Aug-17	Buy	Direct	Market	1,100	\$ 2.15	\$ 2,365	6,208,302	6,209,402
Don Gray	Chairman	22-Aug-17	Buy	Direct	Market	2,700	\$ 2.20	\$ 5,940	6,209,402	6,212,102
Don Gray	Chairman	23-Aug-17	Buy	Direct	Market	18,800	\$ 2.25	\$ 42,300	6,212,102	6,230,902
Don Gray	Chairman	24-Aug-17	Buy	Direct	Market	52,200	\$ 2.25	\$ 117,450	6,230,902	6,283,102
Don Gray	Chairman	25-Aug-17	Buy	Direct	Market	1,300	\$ 2.25	\$ 2,925	6,283,102	6,284,402
Don Gray	Chairman	28-Aug-17	Buy	Direct	Market	20,300	\$ 2.25	\$ 45,675	6,284,402	6,304,702
Don Gray	Chairman	29-Aug-17	Buy	Direct	Market	21,000	\$ 2.25	\$ 47,250	6,304,702	6,325,702

Name	Position								Opening Balance (shares)	Closing Balance (shares)
		Date	Trade Type	Ownership Type	Comment	Number of Shares	Price per share	Value		
Don Gray	Chairman	30-Aug-17	Buy	Direct	Market	10,800	\$ 2.25	\$ 24,300	6,325,702	6,336,502
Don Gray	Chairman	31-Aug-17	Buy	Direct	Market	30,600	\$ 2.30	\$ 70,380	6,336,502	6,367,102
Don Gray	Chairman	1-Sep-17	Buy	Direct	Market	2,200	\$ 2.30	\$ 5,060	6,367,102	6,369,302
Don Gray	Chairman	6-Sep-17	Buy	Direct	Market	16,300	\$ 2.30	\$ 37,490	6,369,302	6,385,602
Don Gray	Chairman	7-Sep-17	Buy	Direct	Market	25,800	\$ 2.33	\$ 60,114	6,385,602	6,411,402
Don Gray	Chairman	8-Sep-17	Buy	Direct	Market	2,000	\$ 2.40	\$ 4,800	6,411,402	6,413,402
Don Gray	Chairman	14-Sep-17	Buy	Direct	Market	800	\$ 2.40	\$ 1,920	6,413,402	6,414,202
Don Gray	Chairman	15-Sep-17	Buy	Direct	Market	199,200	\$ 2.49	\$ 496,008	6,414,202	6,613,402
Don Gray	Chairman	18-Sep-17	Buy	Direct	Market	3,000	\$ 2.50	\$ 7,500	6,613,402	6,616,402
Don Gray	Chairman	17-Nov-17	Buy	Direct	Option exercise	4,800	\$ 2.33	\$ 11,184	6,616,402	6,621,202
Don Gray	Chairman	15-Dec-17	Buy	Direct	Market	100,000	\$ 1.55	\$ 155,000	6,621,202	6,721,202
Don Gray	Chairman	10-Aug-18	Buy	Direct	Market	120,500	\$ 0.83	\$ 100,015	6,721,202	6,841,702
Don Gray	Chairman	14-Aug-18	Buy	Direct	Market	37,500	\$ 0.93	\$ 34,875	6,841,702	6,879,202
Don Gray	Chairman	17-Aug-18	Buy	Direct	Market	35,000	\$ 1.00	\$ 35,000	6,879,202	6,914,202
Don Gray	Chairman	20-Aug-18	Buy	Direct	Market	16,400	\$ 1.00	\$ 16,400	6,914,202	6,930,602
Don Gray	Chairman	21-Aug-18	Buy	Direct	Market	73,000	\$ 1.05	\$ 76,650	6,930,602	7,003,602
Don Gray	Chairman	22-Aug-18	Buy	Direct	Market	25,000	\$ 1.05	\$ 26,250	7,003,602	7,028,602
Don Gray	Chairman	23-Aug-18	Buy	Direct	Market	12,600	\$ 1.05	\$ 13,230	7,028,602	7,041,202
Don Gray	Chairman	28-Aug-18	Buy	Direct	Market	17,200	\$ 1.04	\$ 17,888	7,041,202	7,058,402
Don Gray	Chairman	27-Jun-19	Buy	Direct	Market	256,000	\$ 0.29	\$ 74,240	7,058,402	7,314,402
Don Gray	Chairman	25-Mar-21	Buy	Direct	Market	5,708,074	\$ 0.30	\$ 1,712,422	7,314,402	13,022,476
Don Gray	Chairman	22-Sep-21	Buy	Direct	Private Placement	15,636,364	\$ 0.55	\$ 8,600,000	13,022,476	28,658,840
Patrick Arnell	Director	4-Jun-14		Indirect	Opening Balance					525,000
Patrick Arnell	Director	5-Sep-14	Buy	Direct	Private Placement	25,000	\$ 4.00	\$ 100,000	525,000	550,000
Patrick Arnell	Director	2-Feb-16	Buy	Direct	Private Placement	108,100	\$ 1.85	\$ 199,985	550,000	658,100
Patrick Arnell	Director				Consolidation (4:1) <sup>(1)</sup>				658,100	164,525
Patrick Arnell	Director	29-Aug-16	Transfer	Direct	Fund Transfer	31,175	\$ 2.09	\$ 65,156	164,525	195,700
Patrick Arnell	Director	17-Nov-17	Buy	Direct	Option exercise	3,170	\$ 2.33	\$ 7,386	195,700	198,870
Ken Gray	CEO & Director	11-Mar-21			Opening Balance	23,400				23,400
Ken Gray	CEO & Director	5-Oct-21	Buy		Market	10,000	\$ 0.78	\$ 7,761	23,400	33,400
Ken Gray	CEO & Director	5-Oct-21	Buy		Market	500	\$ 0.73	\$ 365	33,400	33,900
Ken Gray	CEO & Director	16-Oct-21	Buy		Market	2,500	\$ 0.72	\$ 1,800	33,900	36,400
Ken Gray	CEO & Director	21-Oct-21	Buy		Market	12,500	\$ 0.75	\$ 9,375	36,400	48,900
Donald Cormack	Director	9-Oct-14			Opening Balance					-
Donald Cormack	Director	10-Oct-14	Buy	Direct	Private Placement	75,000	\$ 4.00	\$ 300,000	-	75,000
Donald Cormack	Director	2-Feb-16	Buy	Direct	Private Placement	10,000	\$ 1.85	\$ 18,500	75,000	85,000
Donald Cormack	Director				Consolidation (4:1) <sup>(1)</sup>				85,000	21,250
Donald Cormack	Director	20-Nov-17	Buy	Direct	Option Exercise	374	\$ 2.33	\$ 871	21,250	21,624
Mathew Wong	VP Finance	12-Apr-21		Direct	Opening Balance					-
Glen Gray	Major Shareholder	25-Mar-21		Direct/Indirect	Opening Balance	6,708,867		\$ -	-	6,708,867
Glen Gray	Major Shareholder	7-Jun-21	Buy	Direct/Indirect	Market	7,000	\$ 0.62	\$ 4,340	6,708,867	6,715,867
Glen Gray	Major Shareholder	22-Sep-21	Buy	Direct/Indirect	Private Placement	15,636,364	\$ 0.55	\$ 8,600,000	6,715,867	22,352,231
Stuart Gray	Major Shareholder	22-Sep-21		Direct/Indirect	Opening Balance	4,941,867		\$ -	-	4,941,867
Stuart Gray	Major Shareholder	22-Sep-21	Buy	Direct/Indirect	Private Placement	15,636,364	\$ 0.55	\$ 8,600,000	4,941,867	20,578,231
Peter Verburg	Directors	29-Jun-21		Direct/Indirect	Opening Balance	61,361		\$ -	-	61,361