































<b>System Comparison</b>					
	High	Low	TITAN		
Typical platform	Fixed Wing	Helicopter	Vehicle		
Operating altitude	600m - 3000m	2 - 300m	N/A		
Full scan angle	36 deg	60 deg	360 deg		
Swath width	65% of height	100% of height	Varies*		
Returns per pulse	Up to 4	1 (first, last, alternating)	1 (first, last, alternating)		
Intensities/pulse	4	1	1		
Vertical Accuracy	15-30cm RMSE	5-15cm RMSE	2cm RMSE		
Horizontal Accuracy	40cm RMSE	25cm RMSE	8cm RMSE		
			/		
erCore Software Inc.	are Inc. confidential				



Terrapoir	nt <sup>Ac</sup>	curacy: 300ft	versus 450ft AGL
300 ft AGL: Sample 294 points RMSE 1.47 inch	450 ft Sample 29 RMSE 1.88	AGL: 4 points inch	
Site	Sample Size	RMSE	- Weiner
Centre Line	47	0.87*	
Edge of Pavement	68	1.46'	T MARTIN
Edge of Shoulder	45	1.10'	
Guard Rail	20	1.57'	a a hard the second
Property Line	30	1.93'	
Toe Slope	44	1.89"	
Ditch	40	1.81"	
LIDAR points vs. tol (table shows 4	al station cross sections 50 ft AGL numbers)	1	





























