



BIO
294 Mill St E Unit 209
Elora, ON N0B 1S0
p: 855.246.2333
f: 519.767.2502
www.bridgingintelligence.com

Bull Evaluation Centre Report

202401 First Line Angus Bull Group

(End of Test)

Test Date: **24 Feb 2024** Days on Test: **112**

Centre Manager: **BRIAN WHITWELL**

Start of Test Date: **04 Nov 2023**

Phone #: **905-768-5148**

End of Test Date: **24 Feb 2024**

E Mail: **whitbk@xplornet.com**

Pick Up Date:

Address: **560 1st Line, R.R.#3 , HAGERSVILLE , ON , N0A 1H0**

Ration Statement:

- Note:**
- 1. Check the information on your BULL(s) to ensure the pedigree, birth date, tattoo, and weaning data is complete and accurate.**
 - 2. For best results clients need to submit complete herd data with complete weaning weights on all their calves to bioTrack, our Herd Evaluation Service. Calves with incomplete herd data will not receive genetic evaluations nor BIO Economic Indexes. If no data is submitted to BIO, then the calves in the bull evaluation centre will be regarded as UNOFFICIAL. Unofficial calves will not receive genetic evaluations, BIO Economic Indexes nor certificates and may not eligible for awards that are offered from time to time.**
 - 3. If you have questions on data submission, please contact our office.**

A Guide to BIO's Bull and Heifer Evaluation Reports and BIO's Genetic Evaluations

Report Features

- Objectively Compare all animals using our across breed comparisons -ABCs - Allows you to compare all the bulls in the group for their genetics, regardless of their breed. Bulls are listed on the report by the tag number.
- Quickly know where an animal ranks for a trait using the percentile ranking. Our percentile rankings range from 1 (lowest) to 99 (highest) tells you how an animal ranks for the trait you're looking at. All animals are ranked for each trait! The rankings compare all animals evaluated over the past 3 years for that trait.
 - Across breed Percentiles (%AB) allow you to compare purebred, crossbred, and composite animals across breeds.
 - Within breed Percentiles (%WB) allow you to compare purebred animals within its breed.
 - Example: A bull or heifer that has a percentile of 99 (99th percentile) is in the top 1% of all animals evaluated for that trait or index; a bull in the 80th percentile is in the top 20%, etc.
- Most current genetic evaluations - The Herd Recording traits (CE, BW, WG, MILK) are updated on the 84-day and End-of-test reports, to reflect the added information of weights taken on test. The End-of-test evaluations use the animal's on-test performance and all related performance data in the database to calculate the ABC and are therefore the most current evaluations in the industry.

Features of BIO's Genetic Evaluations (ABCs) and Economic Indexes

- Genetic Evaluations - the most accurate method to express genetic ability of an animal. They are adjusted for environment and can be used to compare animals across herds and evaluation centres.
- ABC - Across Breed EPD or Comparison - Estimate of how future progeny of an animal are expected to perform in each of the traits. Comparisons can be made within breeds and across breeds. For example, a bull or heifer with a Yearling Gain ABC of +85 will produce progeny that are on average 50 pounds heavier than progeny from a bull with a Yearling Gain ABC of +35.
- Accuracy - Measure of the amount of information used to calculate the ABC. Ranges from 1 (least) to 99 (most). Evaluations based on pedigree information only are noted as 'PE' (pedigree estimate).
- BIO\$: This is an index that considers several traits in determining better bulls when mated to average cows and is aiming at efficient lean meat production for a market focused on AA carcasses between 775 and 900 pounds. Use the BIO\$ index to identify top prospect bulls and then look at specific ABC's within that group for traits that you value in your operation.
- ABCs (Across Breed EPDs) for all animals evaluated by BIO are on a fixed base. The base is a multi-breed average of animals born 1995-1998:

Trait	CE	BW	WG	MILK	PWG	YG	FAT	REA	%IMF	SC	BIO\$
Base	0	0	+30	+15	+20	+50	0	0	0	0	+2000

Report Definitions and Legend

Herd Measurements (BIO believes in Whole Herd Recording)

CE - Calving Ease - The ease or difficulty with which the animal was born. The categories are unassisted (U), easy pull (E), hard pull (H), surgical (S) or malpresentation (M).

BW - Birth weight (lbs) of the animal.

AWW - Adjusted Weaning Weight (lbs) - The on-farm weaning weight of the animal adjusted to 200 days of age. Adjustments are made for age of dam and sex of calf.

WI - Weaning Index - Within-herd index based on adjusted weaning weight. Use to compare calves in the same pre-weaning management group. A minimum of five calves in a management group is required to receive an index. ET indicates an embryo transplant calf.

Test Evaluation Measurements (based on the animal's performance in the evaluation centre)

SOT - Start of Test Weight (lbs)

EOT - End of Test Weight (lbs)

ADG - Average Daily Gain (lbs/day) - The regressed average daily gain during the animal evaluation period. All monthly weighings are used in determining the adg.

WPDA - Weight Per Day of Age (lbs/day) - Weight taken at weigh period divided by days of age and includes birth weight.

HH - Hip Height (inches) - Height of the animal over the hip bones at EOT.

FRAME - Frame Score - A 1 to 10 scale calculated using hip height and age, according to Beef Improvement Federation guidelines.

FAT - Backfat (mm) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test.

REA & AdjREA - Rib Eye Area (square inches) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of the test. The AdjREA is adjusted to 365 days of age.

%IMF & Adj%IMF - Percent Intramuscular Fat (Marbling) - Measured ultrasonically between the 12th and 13th ribs (grading site) at the end of test. NR indicates the animal had too little %IMF to measure. Adj %IMF is adjusted to 365 days.

GRADE - %IMF expressed as marbling grade (A, AA or AAA) - PD indicates practically devoid, which is less than 1.86 %IMF. Animals near the border of a category are shown as a combination of the two categories (i.e. A-AA).

SC & AdjSC - Scrotal Circumference (cm) - End of test measure of scrotal circumference. Indication of the semen producing ability of the bull. 'ABN' indicates abnormal testicles (size, shape, injury) and no measurement is taken. AdjSC is adjusted Scrotal circumference and is adjusted to one year of age.

Genetic Evaluations - Across Breed EPDS (ABCs)

CE - Calving Ease ABC - is a genetic prediction of the increase (+) or decrease (-) in percent unassisted calvings if the bull is mated with heifers that are an average size and have average calving ability.

BW - Birth Weight ABC (lbs) - The effect the animal will have on the birth weight of their calves.

WG - Weaning Gain ABC (lbs) - The ability of the animal's calves to grow from birth to weaning.

MILK - Milk/Mothering ability ABC (lbs of calf at weaning) - The ability of a animal's daughters to provide their calves with milk and mothering ability.

PWG - Post-Weaning Gain ABC (lbs) - Indicates the ability of an animal's calves to grow from weaning to yearling.

YG - Yearling Gain ABC (lbs) - Indicates the ability of a animal's calves to grow from birth to yearling.

FAT - Backfat thickness ABC (mm) - The ability of a animal's progeny to deposit backfat (finishing ability), adjusted to a common age.

REA - Rib Eye Area ABC (square inches) - Predictor of the differences in progeny ribeye area (muscling), adjusted to a common age.

%IMF - Intramuscular Fat ABC (Marbling) - The ability of a animal's progeny to deposit marbling fat, adjusted to a common age.

SC - Scrotal Circumference ABC (cm) - Indicates the ability of a bull to transmit scrotal size to male progeny. It is a partial indicator of daughter's age at puberty.

Bull Evaluation EOT Report

202401 First Line Angus Bull Group



Genetic Evaluations (28 Feb 2024)

Tag **0001** Pen Tattoo **FLA 2L**
 Contact **BRIAN A. WHITWELL - FIRST LINE ANGUS**
 HC/Breed **ANGUS** **905-768-5148**
 Birthdate **01Jan2023** Colour **Black**
 SireSire **NORTHERN VIEW SMW GUSTOV 3Z**
 Sire **DMM MAXIMUS 18G**
 Dam **REMITALL F LADY JANE 239E**
 DamSire **R B TOUR OF DUTY 177**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	55	45	60	38	95	86	83	33	64	89	69
ABC Acc	2 ¹⁹	-1.0 ⁴⁹	45 ³⁸	22 ¹¹	51 ⁴²	96 ⁴⁰	1.15 ⁴⁶	-0.06 ⁴⁰	.31 ⁴⁰	1.34 ⁶⁰	3767
%wb	18	14	53	32	85	74	55	89	5	90	69

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	103	833		1139	1576	3.93	3.76	52.0	5.9	11	15.7	14.3	2.38	2.07	PD-A	40.0	38.0

Tag **0002** Pen Tattoo **FLA 4L**
 Contact **BRIAN A. WHITWELL - FIRST LINE ANGUS**
 HC/Breed **ANGUS** **905-768-5148**
 Birthdate **09Jan2023** Colour **Black**
 SireSire **NORTHERN VIEW SMW GUSTOV 3Z**
 Sire **DMM MAXIMUS 18G**
 Dam **HLK BARBARA PERFECTION 1F**
 DamSire **LAZY E FORTITUDE 876C**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	50	45	42	13	84	67	77	48	64	98	64
ABC Acc	2 ¹⁷	-1.0 ⁴⁷	41 ³⁶	16 ⁹	43 ⁴¹	83 ³⁹	.99 ⁴⁴	.10 ³⁸	.30 ³⁸	2.12 ⁵⁹	3629
%wb	14	14	33	7	61	47	39	97	4	99	62

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	101	769		1101	1524	3.79	3.71	53.5	6.7	9	16.2	14.9	2.12	1.88	PD-A	43.0	41.3

Tag **0003** Pen Tattoo **FLA 10L**
 Contact **BRIAN A. WHITWELL - FIRST LINE ANGUS**
 HC/Breed **ANGUS** **905-768-5148**
 Birthdate **18Jan2023** Colour **Black**
 SireSire **A & B FERGUSON 6186**
 Sire **First Line Ferguson 2J**
 Dam **FIRST LINE BARBARA 37J**
 DamSire **FIRST LINE ARBOUR 14E**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	99	99	40	28	58	48	80	1	99	55	31
ABC Acc	9 ²⁰	-8.3 ⁵⁰	40 ³⁹	20 ¹¹	35 ⁴⁵	74 ⁴²	1.06 ⁴⁸	-.71 ⁴³	.81 ⁴³	.61 ⁶²	2819
%wb	96	97	30	20	28	27	47	2	98	40	32

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	68	693		887	1260	3.27	3.13	50.5	5.3	9	11.2	10.6	3.90	3.54	A-AA	36.5	35.1

Tag **0004** Pen Tattoo **FLA 12L**
 Contact **BRIAN A. WHITWELL - FIRST LINE ANGUS**
 HC/Breed **ANGUS** **905-768-5148**
 Birthdate **26Jan2023** Colour **Black**
 SireSire **SITZ STELLAR 726D**
 Sire **SITZ RESILIENT 10208**
 Dam **FIRST LINE GERTIE 17H**
 DamSire **A & B FERGUSON 6186**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	93	94	51	72	57	54	92	10	99	36	46
ABC Acc	6 ¹⁶	-5.6 ⁴⁷	43 ³⁵	28 ¹¹	34 ⁴¹	77 ³⁸	1.34 ⁴⁵	-.39 ³⁹	.83 ³⁹	.29 ⁵⁹	3224
%wb	78	82	43	72	27	33	78	31	98	15	46

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	77	782		1016	1409	3.41	3.58	51.0	5.6	10	13.4	12.7	4.37	4.05	AA	36.0	34.9

Tag **0005** Pen Tattoo **FLA 13L**
 Contact **BRIAN A. WHITWELL - FIRST LINE ANGUS**
 HC/Breed **ANGUS** **905-768-5148**
 Birthdate **27Jan2023** Colour **Black**
 SireSire **BASIN PAYWEIGHT 1682**
 Sire **DEER VALLEY WALL STREET**
 Dam **CLC GEORGINA 312G**
 DamSire **COLEMAN RENOWN 763**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$
%ab	87	92	23	32	87	58	75	17	94	60	56
ABC Acc	5 ¹⁶	-5.2 ⁴⁶	35 ³⁵	21 ¹⁰	44 ⁴¹	79 ³⁸	.92 ⁴⁴	-.28 ³⁸	.59 ³⁸	.69 ⁵⁹	3480
%wb	62	77	14	25	67	37	33	56	85	47	54

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	81	734		951	1371	3.82	3.49	52.5	6.4	8	14.2	13.5	3.51	3.26	A-AA	37.0	36.0

Bull Evaluation EOT Report

202401 First Line Angus Bull Group



Genetic Evaluations (28 Feb 2024)

Tag	0006	Pen		Tattoo	FLA 20L
Contact	BRIAN A. WHITWELL - FIRST LINE ANGUS				
HC/Breed	ANGUS				905-768-5148
Birthdate	07Feb2023			Colour	Black
SireSire	ELLINGSON ROUGHRIDER 4202				
Sire	FIRST LINE ROUGHRIDER 12J				
Dam	FIRST LINE BUXOM MAID 11J				
DamSire	HOOVER KNOW HOW				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
%ab	53	34	19	11	96	71	97	28	69	55	52	
ABC Acc	2 ¹⁹	-1 ⁴⁹	33 ³⁸	15 ¹⁰	53 ⁴⁴	85 ⁴¹	1.67 ⁴⁷	-12 ⁴¹	.37 ⁴¹	.61 ⁶¹	3380	
%wb	16	8	10	6	89	52	93	83	15	40	50	

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	97	706			883	1357	4.30	3.55	51.0	5.8	10	14.7	14.3	2.20	2.10	PD-A	36.5	35.9

Tag	0007	Pen		Tattoo	FLA 42L
Contact	BRIAN A. WHITWELL - FIRST LINE ANGUS				
HC/Breed	ANGUS				905-768-5148
Birthdate	06Mar2023			Colour	Black
SireSire	EXAR UPSHOT 0562B				
Sire	FIRST LINE ARDEN 14G				
Dam	FIRST LINE ARIANNA 6E				
DamSire	JMB TRACTION 292				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
%ab	92	94	99	60	99	99	98	14	99	24	95	
ABC Acc	6 ²⁶	-5.8 ⁵⁶	75 ⁴⁵	26 ¹⁹	60 ⁴⁷	135 ⁴⁶	1.74 ⁴⁹	-34 ⁴³	.72 ⁴³	-.05 ⁶²	4856	
%wb	76	84	99	57	97	99	95	43	97	5	94	

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	89	983			866	1283	3.76	3.61	50.5	5.9	10	13.4	13.7	3.33	3.42	A	34.5	34.9

Tag	0008	Pen		Tattoo	PHZ 01L
Contact	GLEN SMITH				
HC/Breed	ANGUS				519-647-2690
Birthdate	20Feb2023			Colour	Black
SireSire	S A V PRESIDENT 6847				
Sire	SAV AMERICA 8018				
Dam	S A V EMBLYNETTE 9812				
DamSire	S A V RAINFALL 6846				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
%ab	59	53	71		93	87	73	63	76	91		
ABC Acc	2 ^{PE}	-1.6 ^{PE}	49 ^{PE}		48 ⁴⁴	97 ^{PE}	.86 ⁴⁵	-.26 ³⁹	.43 ³⁹	1.42 ⁵⁹	N/R	
%wb	21	20	66		80	76	28	99	32	93		

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	81	N/A			980	1397	3.76	3.79	51.0	5.9	7	16.7	16.6	2.62	2.59	PD-A	40.0	39.9

Tag	0009	Pen		Tattoo	PHZ 02L
Contact	GLEN SMITH				
HC/Breed	ANGUS				519-647-2690
Birthdate	04Jan2023			Colour	BLACK
SireSire	TEHAMA TAHOE B767				
Sire	CONNELLY GUARD RAIL 923E				
Dam	BOYD ABIGALE 1015				
DamSire	E&B PLUS ONE				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
%ab					65		76	27	78	46		
ABC Acc					36 ³⁷		.94 ⁴³	-.14 ³⁷	.45 ³⁷	.48 ⁵⁸	N/R	
%wb					35		35	81	39	29		

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	76	N/A			912	1311	3.45	3.15	50.5	5.1	9	15.1	13.8	2.88	2.53	PD-A	37.0	35.1

Tag	0010	Pen		Tattoo	PHZ 03L
Contact	GLEN SMITH				
HC/Breed	ANGUS				519-647-2690
Birthdate	20Mar2023			Colour	BLACK
SireSire	DEER VALLEY GROWTH FUND				
Sire	WHITESTONE				
Dam	EXAR RITA 9656				
DamSire	EXAR SPREAD 5676B				

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIO\$	
%ab					61		57	22	78	21		
ABC Acc					35 ³⁹		.40 ⁴³	-.21 ³⁷	.45 ³⁷	-.16 ⁵⁸	N/R	
%wb					31		1	68	39	3		

	CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	80	N/A			871	1238	3.34	3.63	50.5	6.1	5	13.8	14.4	2.49	2.67	PD-A	33.0	33.9

Bull Evaluation EOT Report

202401 First Line Angus Bull Group



Genetic Evaluations (28 Feb 2024)

Tag 0011 Pen Tattoo **ZBR 3L**
 Contact **CAMERON HILL - HILLBROOK CATTLE CO.**
 HC/Breed **ANGUS**
 Birthdate **06Jan2023** Colour **Black**
 SireSire **ANGUS ACRES BANDOLIER 75T**
 Sire **ANGUS ACRES BANDY 96X**
 Dam **GLEN ISLAY PRIDE 10E**
 DamSire **REMINGTON HEADS UP 44Y**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIOS\$
%ab		72	20		9	11	84	1	72	21	
ABC Acc		-2.9 PE	33 PE		15 41	48 PE	1.15 43	-.67 37	.40 37	-.14 58	N/R
%wb		39	11		1	1	56	3	21	4	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	86	710		921	1251	2.86	3.02	52.0	5.9	10	12.5	11.6	2.44	2.15	PD-A	35.5	33.7

Tag 0012 Pen Tattoo **KAJH 20L**
 Contact **CAMERON HILL - HILLBROOK CATTLE CO.**
 HC/Breed **ANGUS**
 Birthdate **28Jan2023** Colour **Black**
 SireSire **GLEN ISLAY SUMMIT 11E**
 Sire **HILLBROOK BANDOLIER 8H**
 Dam **HILLBROOK ANNIE K 16G**
 DamSire **FLEURY BARDOLENE 115Z**

	CE	BW	WG	Milk	PWG	YG	FAT	REA	%IMF	SC	BIOS\$
%ab					55		75	1	73	88	
ABC Acc					34 37		.93 43	-.69 37	.41 37	1.30 58	N/R
%wb					25		34	2	24	89	

CE	BW	AWW	WI	SOT	EOT	ADG	WPDA	HH	Frame	Fat	REA	AdjREA	%Imf	Adj%Imf	Grade	SC	AdjSC
U	84	682		824	1202	3.40	3.07	51.0	5.7	9	11.8	11.3	2.56	2.38	PD-A	39.5	38.5



Breed Summary Averages

Breed	#	% U	BWT	AWW	SOT	28D	56D	84D	EOT	ADG	WPDA	Hip Height	Frame Score	Back Fat	REA	Adj REA	%IMF	Adj %IMF	Scrotal
ANGUS	12	100	85	766	946	1027	1115	1228	1348	3.59	3.46	51.3	5.9	9	14.1	13.5	2.90	2.72	37.4
Group Averages	12	100	85	766	946	1027	1115	1228	1348	3.59	3.46	51.3	5.9	9	14.1	13.5	2.90	2.72	37.4

Provision and Use of Information Produced by BIO As part of the terms and conditions of Beef Improvement Ontario (BIO) Beef Evaluation Services, it is understood that information provided by BIO including, but not limited to, genetic and carcass evaluations are produced using the very best knowledge available and are pursuant to generally accepted industry standards. The raw data and pedigree used in calculations is provided by the client. The intent of the information provided by BIO is for comparative purposes only for both the animal consignor and buyer. This information is provided for the purpose of general guidance only to beef producers. The purchaser and/or user of this information agrees to hold Beef Improvement Ontario harmless for any losses or damages that may be incurred as a result of receipt of and/or reliance upon this general comparative information. This clause shall be a complete defense to any claim brought by the purchaser and/or user in relation to such services.