

CANADIAN VALLEY BASEBALL ASSOCIATION / MUSTANG YOUTH SPORTS

2022 Multi-Municipality Youth Baseball & Softball Research

Comprehensive Executive Summary & Historical Methodology Analysis

An original handwritten research analysis and an early methodological foundation for what later became the Hidden Valley - Integrity of the Game dataset and research architecture.

Historical source	Research treatment
Five handwritten pages created during the 2022 research process	Preserved intact; later clarifications and reconstructions are identified separately

Preservation statement. The original handwritten pages are reproduced in full in Appendix A. They are not altered, rewritten, or replaced by the modern analysis.

1. Executive Summary

The 2022 notebook documents an early manual attempt to quantify a large youth baseball and softball system centered on Mustang and connected to surrounding municipalities. It begins with age-division team counts and converts those counts into games, field demand, umpire assignments, registration revenue, gate revenue, net concession revenue, seasonal activity, travel geography, and visitor-spending scenarios. That sequence mirrors the analytical architecture later formalized in the Hidden Valley - Integrity of the Game research.

Methodological lineage: Teams -> games -> fields -> officials -> registration -> gate -> net concessions -> seasonal operations -> municipal geography -> visitor spending -> public/private accountability.

2. Why the Handwritten Notes Matter

The notebook is preserved as an original research artifact rather than treated merely as scratch work. It captures the developmental stage in which a local youth-sports question was being transformed into a repeatable research method. The source is not an audited financial record, so this report distinguishes original notes, derived arithmetic, modeled assumptions, later researcher clarification, and facts independently corroborated through public information.

3. 2022 Team Census

Page 1 records division-level team counts: approximately 148 Mustang baseball teams, 19 Piedmont 4U-6U teams, and 61 softball teams. These components reconcile exactly to the handwritten total of 228 teams.

Component	Teams	Classification
Mustang baseball, 4U through Prep	148	Original handwritten subtotal
Piedmont 4U-6U	19	Original handwritten subtotal
Softball, 6U-12U	61	Original handwritten subtotal
TOTAL	228	148 + 19 + 61

4. Game Demand and Field Capacity

Page 2 converts the 228-team universe into actual game demand. One game per team produces 114 games; two games per team produces 228 games per week. At three games per field per evening across four evenings, each field carries 12 games weekly. The model therefore requires approximately 19 fields. This is a direct precursor to the Hidden Valley facility methodology: team participation becomes measurable demand on infrastructure.

5. Multi-Municipality Traveling League

Page 3 lists communities including Okarche, Piedmont, El Reno, Yukon, Mustang, Deer Creek, Edmond, Cashion, Tuttle, and Bethany and separately considers hotel/motel markets. Later public information corroborates the core regional structure: current CVBA rules identify El Reno Little League, Mustang Youth Baseball, Piedmont Sports Association, and Yukon Optimist Sports Club, while the City of Yukon states that games are played in Yukon, Mustang, Piedmont, Tuttle, and El Reno. These sources validate the traveling-league architecture, not every 2022 handwritten number.

6. Financial and Operational Model

The notebook applies an apparent \$500 registration amount to 228 teams, producing \$114,000 in modeled registration revenue. At 12 players per team it models 2,736 roster positions and, at two paying spectators per player, 5,472 spectator admissions.

The weekly model records \$27,360 in gate revenue and \$13,680 in concessions. The original researcher has clarified that the \$13,680 figure represents **net concession revenue**. The officiating model uses 228 games x two umpires x \$40, producing 456 assignments and \$18,240 in weekly umpire compensation.

Weekly component	Calculation	Amount
Gate revenue	5,472 admissions x \$5	\$27,360
Net concession revenue	Researcher clarification	\$13,680
Gate + net concessions	\$27,360 + \$13,680	\$41,040
Umpire compensation	228 games x 2 x \$40	(\$18,240)
Net after umpire compensation	\$41,040 - \$18,240	\$22,800

7. Clarified 19-Week Season

The historical operating calendar is clarified as a **3-week preseason, 13-week regular season, and 3-week postseason**, producing a 19-week competition cycle.

Period	Weeks	\$22,800 weekly model
Preseason	3	\$68,400
Regular season	13	\$296,400
Postseason	3	\$68,400
Complete competition cycle	19	\$433,200
Modeled registration revenue	-	\$114,000
RECONSTRUCTED TOTAL	-	\$547,200

The \$547,200 figure is a reconstructed historical model, not audited net income. It combines modeled registration revenue with 19 weeks of the notebook's weekly gate-plus-net-concession amount after modeled umpire compensation; the handwritten source does not establish all other possible operating costs.

8. Visitor-Spending Scenarios

Page 5 models \$10, \$25, and \$50 spending scenarios using 2,736 as the population base over a working 16-week period, producing \$437,760, \$1,094,400, and \$2,188,800. Under current research standards these are best labeled **illustrative visitor-spending scenarios**, not verified economic impact, because the notebook does not contain hotel-night counts, visitor surveys, tax receipts, displacement analysis, or a formal multiplier methodology.

9. Public Validation and Evidentiary Limits

Finding	Status
CVBA exists as a multi-community association	Publicly corroborated
Mustang, Yukon, Piedmont and El Reno participate in a regional structure	Publicly corroborated
Games cross municipal boundaries	Publicly corroborated
Mustang Youth Sports and CVBA are operationally linked	Publicly corroborated
Exactly 228 teams in 2022	Contemporaneous research; primary-record verification desirable
\$114,000 registration	Modeled unless confirmed by 2022 records
\$27,360 weekly gate	Modeled
\$13,680 weekly net concessions	Original figure + researcher clarification
\$18,240 weekly umpire compensation	Derived from stated model
\$547,200 reconstructed 19-week total	Derived reconstruction; not audited net income

10. Evolution into Hidden Valley - Integrity of the Game

2022 handwritten approach	Later Hidden Valley development
Division team counts	Structured division-level dataset
Teams converted to games	Modeled minimum-game demand
Games converted to fields	Facility and satellite-facility analysis
Umpire slots x rate	Modeled assignments and compensation
Registration estimate	Team entry-fee / sanction-fee research
Gate estimate	Event-gate modeling
Net concession estimate	Ancillary-revenue and facility questions
Community / hotel lists	Multi-jurisdiction sports-tourism analysis
Manual spending scenarios	Separation of modeled activity from verified evidence
Hand calculations	Auditable formulas, source classifications, dashboards, reports, and preserved exhibits

11. Conclusion and Archival Treatment

The 2022 Canadian Valley / Mustang Youth Sports notebook is an original handwritten precursor to the Hidden Valley - Integrity of the Game methodology. It used team participation to model game demand, facility utilization, officiating labor, registration revenue, gate activity, net concession revenue, seasonal operations, regional travel, and visitor-spending scenarios across a multi-municipality youth sports system.

Archival policy: preserve the handwritten notebook unchanged; attach modern interpretations as separate analytical layers; identify researcher clarifications explicitly; and never convert modeled figures into verified historical receipts without primary records.

12. Recommended Primary-Record Expansion

Priority records include 2022 Mustang sports-facility/user-group agreements; CVBA rules and board records; archived schedules and standings; registration fee schedules; team census and roster records; umpire agreements and rates; gate and concession provisions; municipal maintenance and utility obligations; tournament records; and available user-group financial statements or tax filings. Those records would allow each notebook variable to be coded as Verified, Derived, Modeled, or Unresolved.

13. Public Sources Consulted

Canadian Valley Baseball Association Rules (2025), Mustang Youth Sports. https://www.mustangyouthsports.com/CVBA_Rules_2025.pdf
City of Yukon Athletics - Baseball & T-Ball. <https://www.cityofyukonok.gov/225/Athletics>
Mustang Youth Sports and CVBA - QuickScores. <https://www.quickscores.com/mustang>

These public sources validate organizational and geographic structure; they do not replace the preserved 2022 handwritten evidence.

APPENDIX A - PRESERVED 2022 HANDWRITTEN RESEARCH

The five original pages follow without alteration. To avoid unnecessary blank space, the appendix introduction shares this page with the first facsimile.

Original Handwritten Research - Page 1 of 5

Mustang Youth Sport		
Baseball Throw Down		
5U		
4U COED TBall	15 TEAMS	15
5U TB	8 TEAMS	8
6U TB	12 TEAMS	12
7U American	11 TEAMS	22
7U National	11 TEAMS	
8U American	10 TEAMS	23
8U National	13 TEAMS	
9U American	9 TEAMS	18
9U National	9 TEAMS	
10U American	12 TEAMS	22
10U National	10 TEAMS	
11U	10 TEAMS	10
12U	12 TEAMS	12
Prep	6 TEAMS	6
		148
4U Piedmont	6 TEAMS	TEAM STITT*
5U Piedmont	3 TEAMS	
6U Piedmont	10 TEAMS	- 19
Softball 6U TBall	16 TEAMS	
8U CP	17 TEAMS	- 61
10U KP	17 TEAMS	
12U	11 TEAMS	228 TEAMS

Preserved facsimile from the original 2022 Yukon-Mustang League research PDF.

228 TEAMS

114 Gms = EA TEAM 1 Gm per week

228 Gms = EA TEAM 2 Gms per week

* Profit

* Concession

1 field 6p Mon 3 gms
7p Tue 3 gms = 12 Gms
8p Thur 3 Gms
Fri 3 Gms

12 | 228

19 fields

228 x 500

* \$114,000 Profit
Team Signups

228 TEAMS

114 Games

+ 114 Games

228 Games

Total per week needed

12 | 228
19 fields

1 field 12 Gms per week
Mon 3 Gms
Tue 3 Gms
Thur 3 Gms
Fri 3 Gms

OK Arche

Piedmont

EL RENO

YUKON

MUSTANG

Deer Creek

EDMOND

Cashion

TUTTLE

Bethany

Piedmont

OK Arche

Deer Creek

~~EDMOND~~

Cashion

~~THE~~ Bethany

EL RENO

YUKON

MUSTANG

EDMOND

LEAGUE Play

PBR MODEL

How many Field Guarantee ???

Hotel / motel Areas

EL RENO

YUKON

MUSTANG

EDMOND

NEW Hotel / motel Areas

Piedmont

OK Arche

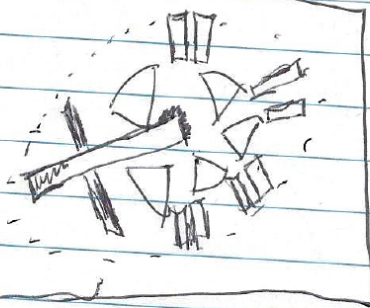
Deer Creek

Cashion

Bethany

BUY 10 ACRES EACH

Show cities How
TO purchase city land
Buy land Then
Trade in city limits
OR Negotiate water /
Sewer infrastructure



228 TEAMS (12 per team) Gate

= 2,736 Players

= 5,472 ~~paying~~ Spectators

= \$27,360 per week Gate

Concession & Gross Sales

= \$13,680

+ 27,360⁰⁰ Gate

+ 13,680⁰⁰ Gross

41,040

- 18,240⁰⁰ Umps

22,800⁰⁰ per week profit

228 GMS ~~15 GMS~~ 456 umpires (All Gms 2 umpires)
^{40⁰⁰} per Gmc = 18,240⁰⁰ per week

Team Registrations = \$114,000⁰⁰

profit per week 22,800⁰⁰ x 13 weeks \$296,400⁰⁰

Preseason
 & mid season
 post season

68,400⁰⁰

+ 22,800⁰⁰

22,800⁰⁰

22,800⁰⁰

68,400⁰⁰

Spring Baseball/
 Softball

Team Registrations \$114,000.00

Gate/Concession/umps per wk + \$22,800⁰⁰

3 tournaments

68,400.00

(umps 18,240⁰⁰) \$296,400⁰⁰

\$478,800⁰⁰

Economic impact All teams Travel 1 night
week

TEAMS 228 TEAMS
players 2736 players

2736 FAMILIES

$$\begin{aligned} \$10^{00} \text{ per family per week} &= 27,360^{00} \times 16 \\ &= \$1,094,400^{00} \end{aligned}$$

$$\begin{aligned} \$25^{00} \text{ per family per week} &= 68,400^{00} \times 16 \\ &= \$1,094,400^{00} \end{aligned}$$

$$\begin{aligned} \$50^{00} \text{ per family per week} &= 136,800^{00} \times 16 \\ &= \$2,188,800^{00} \end{aligned}$$

13 week

3 TDN

16 weeks

Economic Impact

$$2736 \times (3 \times 13) \times 16 \times 10^{00} = 437,760^{00}$$

$$2736 \times 16 \times 25^{00} = 1,094,400^{00}$$

$$273 \times 16 \times 50^{00} = 2,188,800^{00}$$

Donation Naming Rights

Visitor Tax Growth Food

Tax incentives

Oklahoma Athletics Commission

Local investors

