

CENTRAL COAST CHAPTER

Submittal for Chapter of the Year · 2023

LUZ GARCIA - PRESIDENT

CentralCoastCLSA.org

CONTENTS

- ❖ **Background**
- ❖ **Trig*Star**
- ❖ **Parallax – Newsletter/Website**
- ❖ **Summer Barbecue**
- ❖ **Committees**
 - **Professional Practices Committee**
 - **Education Committee**
 - **Monument Conservation Committee**
- ❖ **Appendix A – Meeting Minutes**
- ❖ **Appendix B – Committee Reports**
- ❖ **Appendix C – Local Articles**



BACKGROUND

The Central Coast Chapter of the California Land Surveyors Association (Chapter) covers San Luis Obispo County and Northern Santa Barbara County. We were one of the original Chapters of the Association. The chapter only covers 3% of the state of California by area and only 1% of the population, yet this chapter has been a force in the Association since it's inception. The chapter has provided 5 Association Presidents, 3 Members of the Year and one "Dorothy Calegari" distinguished Service Award.

The Chapter currently has 53 members, broken down to 3 life members, 30 corporate, 8 associate, 9 affiliate, one student and 2 CE. The chapter has 6 business/program meetings each year, a summer barbeque and a Christmas potluck.

The chapter has never won the Chapter of the Year of the award, primarily as we have never submitted for Chapter of the Year. We, like most surveyors, are not the best at promoting ourselves.

It was suggested that based on our activities we should be proud and make the application for Chapter of the Year.

TRIG★STAR

Background

With the exception of the Pandemic years, the Central Coast Chapter has run a Trig-Star program through many of our high schools since the 1980's. We have had a number of State champions come out of our chapter over the years and possibly one national champion. Our program has provided monetary prizes for the winner of each school and additional monetary prize for the chapter winner. These prizes along with free dinners for the winners, their family and teacher have been supported by local firms and individuals.

This year again we had a very successful Trig-Star being run by Luz Garcia. Luz coordinated with the schools, ran the tests for each school and then coordinated the awarding of prizes. The effort put into organizing this event is well beyond what should be expected from any volunteer in the chapter.

Due to scheduling the prizes were awarded at the summer barbecue, which turned out to be an excellent idea as the winners, their families and teachers got to meet with surveyors and their families in a causal atmosphere. Some of them even competed in the Surveyors Olympics at the barbecue.

2023 First Place Winner

The Chapter winner was Gwenyth Lemon from Paso Robles High School. Due to a previous commitment of heading off to school as a college freshman, Gwenyth was unable to attend the barbeque. Luz met with Gwenyth at the Paso Robles campus to present her with the trophy and award.

Gwenyth will be attending Colorado School of Mines studying chemical engineering. She really likes STEM and is excited to start college this fall! Her hobbies include playing basketball, snowboarding, hanging out with family and friends, and watching The Office!



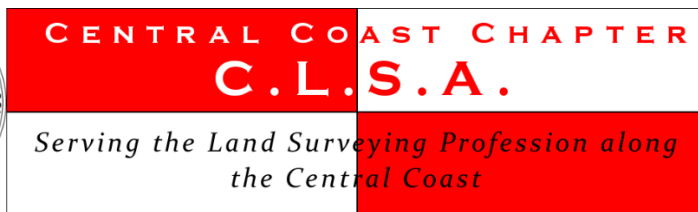
Runner Ups!

The second and third place winners were Jon Raj of San Luis Obispo High School and Anthony Williams of Paso Robles High school.

The awards were presented at the barbecue by George Marchenko, who organized Trig-Star for 20 years for the chapter, only stepping down 2 years ago. George provided the winners and the audience with some background on Trig-Star and then asked the winners some questions apropos to nothing, just to prepare them for life.



PARALLAX – NEWSLETTER/WEBSITE



Background

The chapter created a mailed-out newsletter “Parallax” in 1990 to inform the land surveying profession within the chapter about chapter meetings, events and news that impacted the profession. Parallax was mailed out to over 100 recipients until 2008. At that time the chapter kept the original newsletter format but emailed them out as a cost savings matter. At that time the chapter had created a simple web presence used mostly for officers and committees. It became clear over time that we needed to keep our members and others in the profession more current than just through the emailed newsletter.

In 2013 the web site was updated and revamped to be our “Newsletter”. The idea was that we could put out information on the fly and keep members up to date on all news that affected us. Anyone who has worked on a website understands that is more of a task than those ads make it look like. It took a few years and finally a new editor to make it a success. We are lucky to have Doug Rion as our editor for the last 5 years, as he is the person most responsible for turning it around to a point where it is the primary source of information for all land surveyors within the chapter area.

2023 Activities

As stated the website is the backbone for the chapter and association. The link to Parallax is <https://www.centralcoastclsa.org/> Parallax, of course, provides meeting notices, meeting minutes, Officer contact information and committee reports. In addition below are just some of the information provided by the editor.

- President’s Message
- City and County Regulation Updates
- “Get Kids into Surveying “ article
- “Do you set Monuments or Markers” article.
- Article on the benefits of the “GPS on Benchmarks” program
- Article on the use of ChatGPT for surveying!
- California Trig*Star Results
- List of new Licensed Surveyors
- Ongoing articles on the History of the Central Cost Chapter “Backsights”
- Links to Legal decisions
- Updates to the Exam Review pages on Parallax through Education committee
- Updated the “GPS on Benchmarks” pages and interactive map (see Education committee)

Top 20 Post/Pages viewed on Parallax and LS/LSIT Website
From January 1, 2023 to November 30, 2023

Ranking	Parallax Website		LS/LSIT Study Website	
	Post and Pages	Views	Post and Pages	Views
1	Home page / Archives	2396	LSIT and FS Exam Preparation	1644
2	Exam Review Site	78	LS & LSIT Review	414
3	GPS on Benchmarks - 2023 Ryan Crownholm, et al. vs. Richard B.	78	LS Resource Material	328
4	Moore, et al The Return of the annual Christmas Party	76	Photogrammetry	178
5	Meeting Minutes	58	LSIT Survey Math	72
6	CLASSIFIED ADS	57	LS Sample Questions	65
7	Summer BBQ	57	LSIT Videos	64
8	Chapter Meeting	40	Simultaneous conveyances	50
9	About	38	Question D3 1971 One recent Licensee perspective on the LS test and process	48
10	Chapter Bylaws	37	We have added more material	48
11	How hard can it be?	30	Sequential Conveyances	40
12	Monumental	29	Work in Progress	28
13	Chapter Member of the Year Award	22	Terms and Definitions	27
14	July Chapter Meeting	21	Error Analysis	27
15	Senate Bill 556	21	Boundaries	22
16	Money for Nothing, Property Lines for Free ?	20	Horizontal Datums & Projections	21
17	Chapter Meeting	19	Public Lands	20
18	Parallax Archives	18	Question C4 1973	19
19	GPS on Benchmark - Current Standings	17	PLS Exam Preparation	19
20	President's Message - 2023	13	Subdivision Map Act	17

SUMMER BARBECUE

Background

The Chapter has put on a summer barbecue since 1981 only missing the two years due to the pandemic. The barbecue has been coordinated, organized and cheffed by former state CLSA President Ken Fargen since it's inception. Ken, his family and staff have worked tirelessly providing a Santa Maria Style barbecue for all that attend the barbeque. Some years that means they are feeding over 100 people.

Besides the food, the barbecue has had other events, such as horseshoes and cornhole competitions and often has had vendors come to show their wares.

The Chapter has also always had door prizes with vendors, survey firms and individuals donating hundreds of items each year.



2023 Barbecue



This year the barbeque was held on warm Saturday August 12, at Cuesta Park in San Luis Obispo from 11:00am to 3:00pm. There were 63 men, women and children enjoying the event. This year was even more special as we had some of the Trig-Star winners, their families and teachers attend the barbeque and receive their awards. The local surveyors made sure the Trig-Star people felt welcome and even encouraged them to join the "Surveyor Olympics".

Yes, the chapter put on a "Surveyor Olympics" this year for the first time since 2000. Kyle Huerth, Immediate Past President organize the Olympics and was very successful at getting most of the people to participate in the event. It was as rigorous as you would want an Olympics to be while enjoying a nice cold drink. Everyone who participated enjoyed it and some even did fairly well at some of the events. Besides the "Surveyors Olympics" there were door prizes and raffles. Doug Rion, Parallax Editor, again took on the onerous tasks of calling out the winners for the near 100 prizes!



CHAPTER COMMITTEES

As with all chapters and associations, various committees are more active than other committees based on the current events surrounding the chapter. The committees listed here are the most active committees for 2023.

Professional Practices Committee

This committee is headed by the President of the chapter based on our by-laws. The committee only responds to complaints sent to them either through private parties or local agencies. This year the committee has addressed 9 complaints, 4 that had been ongoing since 2022 and 5 new complaints. As the details of the complaint are private, for this application we are only providing a summary:

- 1 case has gone to the Board of Registration
- 2 cases have been closed with successful resolution.
- 1 case was dropped due to unresolved culpability.
- 1 case successfully had 5 monuments replaced.
- 4 cases are still in progress

Education Committee

The Education committee was assigned 2 tasks this year and initiated 2 other tasks.

Scholarships

The Chapter, through the Education committee managed 3 scholarships:

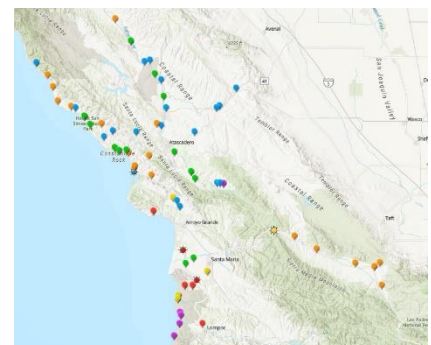
- Central Coast Scholarship (\$500)
 - 2023 recipient – Andres Tores (Shasta College)
- Cliff Lewis Memorial Scholarship (\$750)
 - 2023 recipient – Clarissa Condit (Fresno State)
- Jeremy Redmond Memorial Scholarship (\$500)
 - 2023 recipient - Eduardo Flores (Cal Poly Pomona)

The Scholarships are run through the CLSA foundation each year

GPS on Benchmarks Program

The Education committee has organized the local NGS “GPS on Benchmarks” program for the last three years, ending in September 30 as that was the date NGS terminated the program.

The committee worked with Caltrans District 5 surveyors and private firms to donate over 200 hours of volunteer time and perform 60 occupations on benchmarks. County Surveyor for San Luis Obispo County, Ed Reading, now retired processed all the data through the NGS website.



The Committee prepared detailed updated lists of needed occupations, KMZ files and an interactive map of benchmarks for the volunteers to use. We worked with Caltrans to ensure the benchmarks were flagged as either being within or outside of Caltrans R/W so there were no permit issues.

To be clear, 2023 was the least successful campaign as Caltrans Surveyors were working overtime on all the damage caused by the early storms in 2023 and private surveyors were overwhelmed with all the redevelopment going on.

Although the event is over, we have not yet archived the web pages so the panel can review, if they wish the work on the website:

GPS on Benchmarks 2023:

<https://www.centralcoastclsa.org/index.php/gps-on-benchmarks/>

Interactive map:

<https://www.arcgis.com/home/webmap/viewer.html?webmap=4d2c24b0fb25445fb43c95c8b0f3f25d&extent=-122.4068,34.4801,-118.3501,36.3844>



Get Kids into Survey Posters

The Committee looked into the “Get Kids into Survey” program and posters and was impressed by the concept and the effort being made by those running the program. The committee then worked with the Parallax Editor to promote that locally within the chapter. The committee provided information and links for members to use to get those posters into their children’s classrooms.

EDMI Baseline re-certification.

Years ago the Chapter worked with Caltrans and NGS to establish the Santa Maria CBL EDM Baseline. The baseline has 5 monuments along the south levee of the river. Two members of the Committee went out to inspect the baseline this spring . Their inspection found all 5 monuments in good shape, however there had been clear evidence of some destruction along the levee due to the winter storms.

The inspection initiated contacting the current NGS advisor for California to discuss a re-certification of the baseline with the chapters help. The initial contact has been positive, but a date has not been set as of the date of this application.

Monument Conservation Committee

This Committee was created at the end of 2022 and has become fully active in 2023. The purpose of the committee is to promote the conservation of survey monuments by:

- Developing and updating models for Plans, Specifications and Estimates (PS&E) to provide for inclusion of same in public and private construction plans,
- Creating and distributing information regarding monument conservation to the public and others,
- Engaging the public sector and public utilities in outreach and educational opportunities regarding monument conservation and PS&E inclusion in RFPs and RFQs.

APPENDIX A – MEETING MINUTES



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

CENTRAL COAST CHAPTER CLSA MEETING held **January 18, 2023** at **6:00 PM** at **IHOP,**
SLO

(Huerth) CALL TO ORDER at **5:59 PM**

(Vierra) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 15 people in attendance.

(Huerth) PLEDGE OF ALLEGIANCE

(Huerth) APPROVAL OF November 9, 2022 MEETING MINUTES

MOTION by Tom Mastin and **SECONDED** by Joe Morris to approve the November 9, 2022 meeting minutes posted in the Parallax

Call for votes – Ayes 15, Nays 0 **MOTION PASSED**

(Huerth/Garcia) PRESIDENT'S REPORT

- Install Officers
 - President – Luz Garcia (PLS)
 - Vice President – Jeremiah Herman (PLS)
 - Secretary/Treasurer – Tucker Sanders (PLS)
- **MOTION** by Huerth and **SECONDED** by Marco Castaneda to increase membership fee by \$10 a year, retirees stay at \$20.
 - Call for votes – Ayes 15, Nays 0 **MOTION PASSED**

(Vierra) VICE PRESIDENT'S REPORT

No Report



CENTRAL COAST CHAPTER
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(Garcia) SECRETARY/TREASURER'S REPORT

- As of December 30, 2022 we have \$4,546.64 in the Bank

(Marchenko/Herman) DIRECTORS REPORT

No Report

(Huerth) EXECUTIVE COMMITTEE REPORT

No Report

(Herman) BY-LAWS COMMITTEE REPORT

No Report

(Mastin) EDUCATION COMMITTEE REPORT

No Report

(Garcia) MEMBERSHIP COMMITTEE REPORT

No Report

(Huerth) PROFESSIONAL PRACTICES COMMITTEE REPORT

No Report

(Garcia) TRIG STAR COMMITTEE

No Report



CENTRAL COAST CHAPTER
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Email: central.coast.clsa@gmail.com

(Fargen) BBQ COMMITTEE

- Same time of year, same place.
 - Works for everyone

(Huerth) LEGACY COMMITTEE

No Report

(Reese) MONUMENT CONSERVATION COMMITTEE

No Report

(Huerth) OLD BUSINESS

- **Scholarships Award recipients – Central Coast Chapter**
 - Central Coast Chapter Scholarship
 - Andres M. Tores (Shasta College)
 - Central Coast Cliff Lewis Memorial Scholarship
 - Clarissa Condit (Fresno State)
 - Central Coast Jeremy Redmond Memorial Scholarship
 - Eduardo Flores (Cal Poly Pomona)

(Garcia) NEW BUSINESS

- **2023 COMMITTEE CHAIRS**
 - Professional Practices Committee Chair: Luz Garcia
 - Membership Committee: Tucker Sanders
 - Nomination Committee: Robert Reese
 - Education Committee: Tom Mastin
 - By Laws Committee: Jeremiah Herman
 - Membership Committee: Tucker Sanders
 - Trig-Star Committee: Luz Garcia
 - BBQ Committee: Ken Fargen



CENTRAL COAST CHAPTER
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- Legacy Committee: Kyle Huerth
- Monument Conservation Committee: Robert Reese

- Goals for the Year
 - Increase Attendance
 - Increase People in CLSA
 - Increase Presence in Community, Education, State
- Chapter Meetings
 - Explore Hybrid Virtual for Greater Attendance
- Social Media
 - Create Facebook, Instagram, Etc. for Local Chapter

(Garcia) ADJOURNMENT

Meeting adjourned at 7:20 P.M.



CENTRAL COAST CHAPTER
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Email: central.coast.clsa@gmail.com

CENTRAL COAST CHAPTER CLSA MEETING held **March 15, 2023** at **6:00 PM** at IHOP,
San Luis Obispo

(Luz) CALL TO ORDER at **6:00 PM**

(Luz) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 22 people in attendance.

(Marco) PLEDGE OF ALLEGIANCE

(Luz) APPROVAL OF January 18, 2023 MEETING MINUTES

MOTION by Kyle Huerth and **SECONDED** by John Sanders to approve the
January 18, 2023 meeting minutes posted in the Parallax

Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

(Luz) PRESIDENT'S REPORT

- The first 3 months have been great!
- 3 schools for career days this year, first one April 21st.

(Jeremiah) VICE PRESIDENT'S REPORT

- N/A

(Tucker) SECRETARY/TREASURER'S REPORT

- Checks are Ordered
- \$6,216.64 in Bank
- \$138 Petty Cash

(Marco/Joe) DIRECTORS REPORT

- ±2,500 new bills introduced



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

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- Mandating setting cap/tag on any found monuments utilized as “control” in a boundary survey if they are used in the establishment of boundary.
- Chapter decided they need better clarification of language. Directors received enough information to vote on the next Board of Directors meeting.

(Luz) EXECUTIVE COMMITTEE REPORT

- Executive Committee met February 13th, scheduled this year’s meetings and chapter goals
- Chapter President asked the chapter to ratify executive committee’s decision to fund \$350 to support a student at the CLSA/NALS conference plus \$150 for door prizes

Two motions were presented as follows:

MOTION by Robert Reese and **SECONDED** by Marco Castaneda? to approve the Executive Committee decision to fund \$350 to support a student a the CLSA/NALS Conference.

Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

MOTION by Robert Reese and **SECONDED** by Marco Castaneda? to approve the Executive Committee decision to donate \$150 CLSA/NALS for conference door Prizes.

Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

(Jeremiah) BY-LAWS COMMITTEE REPORT

- N/A

(Reese) EDUCATION COMMITTEE REPORT

NGS continues to extend the GPS on Benchmarks, Education committee will make continue effort this year. If you have any ideas how to increase participation, contact Tom Mastin.



CENTRAL COAST CHAPTER
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(Tucker) MEMBERSHIP COMMITTEE REPORT

- 41 Members
 - 6 Affiliate
 - 6 Associate
 - 1 CE
 - 25 Corporate
 - 3 Life

(Luz) PROFESSIONAL PRACTICES COMMITTEE REPORT

- Met February 8 – have 3 active complaints and 1 new one. –monument preservation.
- Complaint 2022-03- second letter sent-no response yet
- Complaint 2022-05- first letter sent, they responded that they are looking into it
- Complaint 2022-06- first letter sent-no response yet.
- Complaint 2023-01: to be reviewed by PPC committee

(Luz) TRIG STAR COMMITTEE

- 5 schools testing this year- mission prep, SLO high, paso robles high, Nipomo high and new tech high
- Ordered Surveying Stickers for Students

(Huerth) LEGACY COMMITTEE

Google Drive- if you have any archives please contact Kyle.



CENTRAL COAST CHAPTER
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(Reese) MONUMENT CONSERVATION COMMITTEE

- Plan on Meeting

Reese (NOMINATION COMMITTEE)

- N/A

(Fargen) BBQ COMMITTEE

- August 12, 2023 Cuesta Park

(Luz) OLD BUSINESS

- Facebook, Instagram, and LinkedIn up and running. Link will be shared with members soon. Share with your friends and send any fun surveying photos and adventures you'd like to share to Tucker.

(Luz) NEW BUSINESS

MOTION by Kyle Huerth and **SECONDED** by ??? to approve the 2023 committee budgets as showed in the agenda (see below).

Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

- Excomm \$50 Per Meeting
- By-Laws \$0.
- Education \$1750.
- Membership \$250.
- Ppc \$100.
- Trigstar \$950 (3 (\$500 \$250 \$100 Scholarships + \$100 Certificate/Plaque)
- Bbq \$200
- Legacy: \$0
- Monument Preservation Committee: \$0
- Science And Engineering And An Engineering Day At Knot Berry Farm Or Six Flags.
- National Surveyor's Day Proclamation By The City Of San Luis Obispo City Council, March 21st @5:30 Pm



CENTRAL COAST CHAPTER
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Email: central.coast.clsa@gmail.com

- Next Meeting: May 17th

(Jeremiah) GUEST SPEAKER PRESENTATION

PRESENTER: Mike Stanton

TOPIC: The re-establishment of the rancho Nipomo lines in the suey creek area

(Luz) ADJOURNMENT

Meeting adjourned at 8:13 P.M.



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

CENTRAL COAST CHAPTER CLSA MEETING held **May 24, 2023** at **6:00 PM** at **Street Side Ale House, Atascadero**

(Luz) CALL TO ORDER at **6:06 PM**

(Luz) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 27 people in attendance.

(Marco) PLEDGE OF ALLEGIANCE

(Jeremiah) GUEST SPEAKER PRESENTATION

PRESENTER: Nate Stong

TOPIC: City's Subdivision Regulation Update

(Luz) APPROVAL OF January 18, 2023 MEETING MINUTES

MOTION by Rochelle Vierra and **SECONDED** by Joe Morris to approve the March 15, 2023 meeting minutes posted in the Parallax

Call for votes – Ayes 24, Nays 0 **MOTION PASSED**

(Luz) PRESIDENT'S REPORT

- Busy and great first few months!
- Trig Star opened the doors to new career fairs for the upcoming school year for high school.

(Jeremiah) VICE PRESIDENT'S REPORT

- July 19th Meeting at Blue Sky in Morro Bay

(Tucker) SECRETARY/TREASURER'S REPORT

- \$6,664.15 in Bank
- \$138 Petty Cash



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(Marco/Joe) DIRECTORS REPORT

(Luz) EXECUTIVE COMMITTEE REPORT

- Met April 10th went over meetings schedule
- Posting Roster in Parallax

(Jeremiah) BY-LAWS COMMITTEE REPORT

- N/A

(Maston) EDUCATION COMMITTEE REPORT

- View attached report
- **MOTION** by Rochelle Vierra and **SECONDED** by Joe Morris to approve a \$50 prize for most monuments.
 - Call for votes – Ayes 26 , Nays 0 **MOTION PASSED**

(Tucker) MEMBERSHIP COMMITTEE REPORT

- 48 Members
 - 7 Affiliate
 - 8 Associate
 - 1 CE



CENTRAL COAST CHAPTER
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- 28 Corporate
- 3 Life
- 1 Student

(Luz) PROFESSIONAL PRACTICES COMMITTEE REPORT

- Met May 3rd – 7 active complaints and 1 new one – Monument Preservation
- Complaint 2022-03 – submit a complaint to the board, but still working with agency to get the complaint resolved.
- Complaint 2022-05A – Just received record document, case will be closed
- Complaint 2022-5B – First letter sent
- Complaint 2022-05C – Investigation continues
- Complaint 2022-06 – Waiting on record document
- Complaint 2023-01 – Case closed
- Complaint 2023-02 – Committee still reviewing
- Complaint 2023-03 – New monument perpetuation

(Luz) TRIG STAR COMMITTEE

- Testing was completed on April 27th
 - Winners
 - 1st Place – Gwenyth Lemon – Paso High School
 - 2nd Place – John Roj – SLO High School
 - 3rd Place – Anthony Williams – Paso High School

(Huerth) LEGACY COMMITTEE

- N/A



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(Reese) MONUMENT CONSERVATION COMMITTEE

- See Attached letter

Reese (NOMINATION COMMITTEE)

- N/A

(Fargen) BBQ COMMITTEE

- August 12, 2023 Cuesta Park

(Luz) OLD BUSINESS

- Facebook, Instagram, and LinkedIn up and running. Link will be shared with members soon. Share with your friends and send any fun surveying photos and adventures you'd like to share to Tucker.

(Luz) NEW BUSINESS

- County of Santa Barbara – Record of Survey Review Fees (Kyle)
 - Currently \$3524 deposit, considering going to \$2500 (in the city)
 - \$500 (in the county)
 - Sending letter
- Next Meeting: July 19

(Luz) ADJOURNMENT

Meeting adjourned at 7:42 P.M.



CENTRAL COAST CHAPTER
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Email: central.coast.clsa@gmail.com

CENTRAL COAST CHAPTER CLSA MEETING held July 19, 2023 at 6:00 PM at Sea Pines
Golf Course, Los Osos

(Luz) CALL TO ORDER at **6:03** PM

(Luz) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 21 people in attendance.

(Luz) PLEDGE OF ALLEGIANCE

(Luz) APPROVAL OF January 18, 2023 MEETING MINUTES

MOTION by Tom Martin and **SECONDED** by Joe Morris to approve the May 24,
2023 meeting minutes posted in the Parallax

Call for votes – Ayes 18, Nays 0 **MOTION PASSED**

(Luz) **PRESIDENT'S REPORT**

- Preparing for the end of year celebration – Christmas Gathering
 - San Luis Yacht Club – 12/05

(Jeremiah) **VICE PRESIDENT'S REPORT**

- n/a

(Tucker) **SECRETARY/TREASURER'S REPORT**

- \$6,736.60 in Bank
- \$138 Petty Cash



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Marco/Joe) DIRECTORS REPORT

- Amendments to Section 8871 of the PLS Act
 - Motion to:
 - Eliminate “All Major” in first sentence
 - “Portion” Inserted
 - Delete Last Sentence
 - **MOTION** by Robert Reese and **SECONDED** by John Sanders
 - Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

- Next Board of Directors Meeting July 29th, 2023

(Luz) EXECUTIVE COMMITTEE REPORT

- MET MAY 25TH TO DISCUSS THE COUNTY OF SANTA BARBARA ROS CHECKING FEES
 - KYLE TO READ LETTER AND GIVE AN UPDATE

- MET JUNE 12TH AND DISCUSS THE UPCOMING MEETINGS AND ANY OUTSTANDING ITEMS TO BE COMPLETED WITHIN THE NEXT 2 MONTHS- REPORTS TO BOARD OF DIRECTORS, MEMBERSHIP ROSTER SUBMITTAL, SOCIAL MEDIA ETC.

(Jeremiah) BY-LAWS COMMITTEE REPORT

- N/A

(Maston) EDUCATION COMMITTEE REPORT

- n/a



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(Tucker) MEMBERSHIP COMMITTEE REPORT

- 51 Members
 - 8 Affiliate
 - 8 Associate
 - 2 CE
 - 29 Corporate
 - 3 Life
 - 1 Student

(Luz) PROFESSIONAL PRACTICES COMMITTEE REPORT

- MET JUNE 19– HAD 5 ACTIVE COMPLAINTS AND 2 NEW ONE. –MONUMENT PRESERVATION.
- COMPLAINT 2022-03- PPC IS STILL OVERSEEN THE PROGRESS
- COMPLAINT 2022-05B- 2ND LETTER SEND- WILL REVIEW RESPONSE ON THE NEXT MEETING
- COMPLAINT 2022-05C-INVESTIGATION CONTINUES
- COMPLAINT 2022-06- SECOND LETTER SEND-NO RECORD DOCUMENT WAS RECEIVED
- COMPLAINT 2023-01-CASE SEND SECOND LETTER ASKING FOR MORE EVIDENCE TO CLOSE THE CASE
- COMPLAINT 2023-03: FIRST LETTER SEND
- PPC NEXT MEETING JULY 21ST



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Email: central.coast.clsa@gmail.com

(Luz) TRIG STAR COMMITTEE

- 1st Place – Unable to attend bbq. Will receive scholarship soon
- 1st and 2nd Place and their families and teachers to attend bbq
- Looking for BBQ sponsors - Found

(Huerth) LEGACY COMMITTEE

- N/A

(Reese) MONUMENT CONSERVATION COMMITTEE

- Report Attached
- Motion to budget following:
 - MCC Printing and Publications – Initial Budget \$100
 - MCC Outreach Program – Initial Budget \$750
 - **MOTION** by Tom Martin and **SECONDED** by John Sanders
 - Call for votes – Ayes 21, Nays 0 **MOTION PASSED**

Reese (NOMINATION COMMITTEE)

- Send State Elected Directors by September 30, 2023

(Fargen) BBQ COMMITTEE

- August 12, 2023 Cuesta Park

(Luz) OLD BUSINESS

- n/a



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Luz) NEW BUSINESS

- Survey Olympics – BBQ
 - Tripod Setup – Speed
 - Distance Estimate
 - Elevation Estimate
 - Angle Estimate
 - Pace Accuracy
 - Metal Locating – What are you buzzing

(Jeremiah) GUEST SPEAKER PRESENTATION

PRESENTER: Robert Reese

TOPIC: Water Survey – How Hard Can It Be?

(Luz) ADJOURNMENT

Meeting adjourned at 8:43 P.M.



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

CENTRAL COAST CHAPTER CLSA MEETING held **September 20, 2023** at **6:00 PM** at IHop
San Luis Obispo

(Luz) CALL TO ORDER at **6:22 PM**

(Luz) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 11 people in attendance.

(Marco) PLEDGE OF ALLEGIANCE

(Luz) APPROVAL OF July 19, 2023 MEETING MINUTES

MOTION by Tom Mastin and **SECONDED** by John Sanders to approve the July 19, 2023 meeting minutes posted in the Parallax

Call for votes – Ayes 10, Nays 0 **MOTION PASSED**

(Luz) PRESIDENT'S REPORT

- Second to Last Business Meeting Today
- BBQ Was well attended

(Jeremiah) VICE PRESIDENT'S REPORT

- November Meeting at AJ Spurs – Kevin Nehring as speaker

(Tucker) SECRETARY/TREASURER'S REPORT

- \$7,991.60 in Bank
- \$138 Petty Cash



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Marco/Joe) DIRECTORS REPORT

- Amendments to Section 8871 of the PLS Act
 - Motion to Oppose All Changes:
 - **MOTION** by Tom Mastin and **SECONDED** by John Sanders
 - Call for votes – Ayes 10, Nays 0 **MOTION PASSED**

(Luz) EXECUTIVE COMMITTEE REPORT

- Ratify the Christmas Party reservation and cleaning deposit fee of \$175 Each for Dec 5th.
 - **MOTION** by Tom Mastin and **SECONDED** by Marco Castaneda
 - Call for votes – Ayes 10, Nays 0 **MOTION PASSED**
- Chapter Member of the Year Nomination – Joe Morris

(Jeremiah) BY-LAWS COMMITTEE REPORT

- N/A

(Maston) EDUCATION COMMITTEE REPORT

- See Report



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Tucker) MEMBERSHIP COMMITTEE REPORT

- 53 Members
 - 9 Affiliate
 - 8 Associate
 - 2 CE
 - 30 Corporate
 - 3 Life
 - 1 Student

(Luz) PROFESSIONAL PRACTICES COMMITTEE REPORT

- MET AUGUST 21ST– HAD 6 ACTIVE COMPLAINTS AND 2 NEW ONE. –MONUMENT PRESERVATION.
- COMPLAINT 2022-03- MONUMENT WERE DESTROYED, AGENCY FAILED TO RESPOND- PPC FILE A COMPLAINT WITH THE BOARD- PPC IS STILL OVERSEEN THE PROGRESS
- COMPLAINT 2022-05B- THIS CASE WAS DROPPED DUE TO UNRESOLVED CULPABILITY. THIS CASE WAS REGARDING MONUMENT DESTRUCTION. PUBLIC AGENCIES AND PRIVATE FIRMS WERE CONTACTED BUT WE COULDN'T FIND THE CULPRIT.
- COMPLAINT 2022-05C- MONUMENT DESTRUCTION- INVESTIGATION CONTINUES BEFORE THE PPC CAN SEND THE FIRST LETTER.
 - FIRST LETTER NOTIFIES THE PERSON OR AGENCY THAT THE PPC'S ATTENTION HAS BEEN BROUGHT UP TO A CASE REGARDING MONUMENTS OR SURVEYING ACTIVITIES BY AN UNLICENSED INDIVIDUAL OR OTHER. PLS ACT CODES: 8762.d, 8772, 8771, 8725
- COMPLAINT 2022-06- CASE CLOSED. UNTAGGED MONUMENTATION- CORNER RECORD WAS FILED.



CENTRAL COAST CHAPTER
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CALIFORNIA LAND SURVEYORS ASSOCIATION

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- COMPLAINT 2023-01 CASE CLOSED- CENTERLINE MONUMENT WAS PAVED OVER- MONUMENT WAS BROUGHT TO SURFACE.
- COMPLAINT 2023-02- CASE WAS TABLED UNTIL SEP.
- COMPLAINT 2023-03: PRE- AND POST ROS, MONUMENT PERPETUATION- PPC SENT A LETTER TO THE AGENCY CITING CODE 8771 (b) AND 8771 (d) AND GAVE THE AGENCY 60 DAYS TO FILE A POST CONST ROS
- COMPLAINT 2023-04- FIRST LETTER WAS SENT- 5 DESTROYED MONUMENTS - PUBLIC AGENCY IS LOOKING INTO THIS.
- COMPLAINT 2023-05-FIRST LETTER WAS SEND- 5 DESTROYED MONUMENT- PUBLIC AGENCY SENT A RESPONSE-PPC TO REVIEW ON THE NEXT MEETING.
- PPC NEXT MEETING TO BE DETERMINED
- 2023: PPC HAD ADDRESSED 9 COMPLAINTS THIS YEAR:
 - 1 CASE- WENT TO CA BOARD
 - 2 HAVE BEEN CLOSED
 - 1 WAS DROPPED
 - 5 MONUMENTS HAVE BEEN REPLACED
- MONUMENT REPLACED IN 2022- KYLE'S PRESIDENCY = 9 MONUMENTS
- ROBERT'S PRESIDENCY IN 2021:
 - 2 INSTANCES - PLSA §8764(B)(5), §8764(A) AND §8765(D) NON-RECORD MONUMENTATION AND §8772 UNTAGGED MONUMENTS
 - 1 INSTANCE - PLSA §8729(A)(1) & §8729(I) NON-COMPLIANCE REGARDING LS AS PART OF CORPORATE STRUCTURE AND CURRENT LETTER OF ASSOCIATION WITH BPELSG

(Luz) TRIG STAR COMMITTEE

- Scholarships were presented at the annual BBQ in August
- Trophy is now at Paso High School



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Huerth) LEGACY COMMITTEE

- N/A

(Reese) MONUMENT CONSERVATION COMMITTEE

- Report Attached

Reese (NOMINATION COMMITTEE)

- Report Attached
 - **MOTION** by Tom Mastin and **SECONDED** by Kyle Huerth to approve the 2024 Slate of Officers as presented by the nomination committee
 - Call for votes – Ayes 10, Nays 0 **MOTION PASSED**

(Fargen) BBQ COMMITTEE

- n/a

(Luz) OLD BUSINESS

- n/a

(Luz) NEW BUSINESS

- Next Meeting November 15th at AJ Spurs with Kevin Nehring Speaking

(Luz) ADJOURNMENT

Meeting adjourned at 7:27 P.M.



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

**CENTRAL COAST CHAPTER CLSA MEETING held November 15, 2023 at 6:00 PM at AJ
Spurs in Grover Beach**

(Luz) CALL TO ORDER at 6:10 PM

(Luz) ROLL CALL/INTRODUCTIONS

Call for attendees to introduce themselves. 16 people in attendance.

(Luz) APPROVAL OF September 20, 2023 MEETING MINUTES

MOTION by Jeremiah Herman and **SECONDED** by Marco Castaneda to approve the September 20, 2023 meeting minutes posted in the Parallax

Call for votes – Ayes 14, Nays 0 **MOTION PASSED**

(Luz) PRESIDENT'S REPORT

- Last Chapter Official Meeting of the Year
- Beginning of the year goals: Increase the chapter meetings attendance, increase membership, and promote land surveying in schools and other events.

(Jeremiah) VICE PRESIDENT'S REPORT

- January Transfer of Officers

(Tucker) SECRETARY/TREASURER'S REPORT

- \$7,918.18 in Bank
- \$138 Petty Cash



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Marco/Joe) DIRECTORS REPORT

- See attached

(Luz) EXECUTIVE COMMITTEE REPORT

- Chapter dues to stay as they are: \$50 a person, \$20 retirees, and \$0 for students.
 - **MOTION** by Tucker Sanders and **SECONDED** by Joe Morris
 - Call for votes – Ayes 14, Nays 0 **MOTION PASSED**
- CENTRAL COAST CHAPTER SCHOLARSHIP TO BE MATCH \$250 BY THE STATE CLSA
- CHRISTMAS PARTY CHAIRPERSON IS DOUG RION, PLEASE SEE PARALLAX FOR DETAILS AND DON'T FORGET TO RSVP
- THE CHAPTER WILL BE NOMINATED FOR THE CHAPTER OF THE YEAR AND WILL HIGHLIGHT THE CHAPTER EFFORTS WITH TRIG STAR*, GPS ON BENCHMARKS, MONUMENT CONSERVATION COMMITTEE EFFORTS, PPC ACTIVITY, CHAPTER ATTENDANCE, PRESENCE IN SCHOOLS AND CAREER FAIRS AND ANNUAL BBQ.
- MEMBER OF THE YEAR: ROBERT REESE

(Jeremiah) BY-LAWS COMMITTEE REPORT

- N/A

(Maston) EDUCATION COMMITTEE REPORT

- No Report



CENTRAL COAST CHAPTER
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(Tucker) MEMBERSHIP COMMITTEE REPORT

- 53 Members
 - 9 Affiliate
 - 8 Associate
 - 2 CE
 - 30 Corporate
 - 3 Life
 - 1 Student

(Luz) PROFESSIONAL PRACTICES COMMITTEE REPORT

- MET OCTOBER 13TH-6 ACTIVE CASES
- COMPLAINT 2022-05B- THIS CASE WAS DROPPED A FEW MONTHS AGO DUE TO UNRESOLVE CULPABILITY, IT'S REGARDING MONUMENT PERPETUATION, AGENCY HAS PROVIDED NEW EVIDENCE THAT THE MONUMENTS HAVE BEEN RESET- PPC COMMITTEE TO DISCUSS THIS AT OUR NEXT MEETING
- COMPLAINT 2022-05C- MONUMENT DESTRUCTION- INVESTIGATION CONTINUES BEFORE THE PPC CAN SEND THE FIRST LETTER STATING THAT THIS COMPLAINT WAS BROUGHT TO THE PPC'S ATTENTION
- COMPLAINT 2023-02- THIS CASE WILL BE REVIEWED IN THE NEXT PPC MEETING. MONUMENT PERPETUATION-NO ACTION HAS BEEN TAKEN
- COMPLAINT 2023-03: PRE- AND POST-ROS, MONUMENT PERPETUATION-WAITING FOR A RESPONSE FROM OUR LAST LETTER WHICH GAVE THE AGENCY 60 DAYS TO FILE A ROS.



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

- COMPLAINT 2023-04- 5 DESTROYED MONUMENTS -PUBLIC AGENCY SAID THEY HAVE BEEN RESET AND THEY ARE WORKING ON THE PAPERWORK.-PPC TO DISCUSS
- COMPLAINT 2023-05- 5 MONUMENTS DESTROYED, PPC RECEIVED A RESPONSE SAYING THIS WAS AN ONGOING PROJECT AND THE MONUMENTS WILL BE RESTORED AS REQUIRED. PPC SENT SECOND LETTER CITING 8771(B) MONUMENT PRESERVATION PRIOR TO CONSTRUCTION SINCE NO PRE-CR OR ROS WERE FOUND. WE JUST RECEIVED A RESPONSE AND PPC WILL REVIEW.
- PPC GUIDELINES TO BE RE-APPROVED BY THE CHAPTER. SEE COPY ATTACHED.
 - **MOTION** by Joe Morris and **SECONDED** by Marco Castaneda
 - Call for votes – Ayes 14, Nays 0 **MOTION PASSED**

(Luz) TRIG STAR COMMITTEE

- n/a

(Huerth) LEGACY COMMITTEE

- N/A

(Reese) MONUMENT CONSERVATION COMMITTEE

- n/a

Reese (NOMINATION COMMITTEE)

- n/a



CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION

Email: central.coast.clsa@gmail.com

(Fargen) BBQ COMMITTEE

- n/a

(Luz) OLD BUSINESS

- n/a

(Luz) NEW BUSINESS

- Christmas Party – December 5th

(Jeremiah) GUEST SPEAKER PRESENTATION

- PRESENTER: CLSA President Elect – Kevin Nehring
 - TOPIC: Introduction and CLSA State info for 2024

(Luz) ADJOURNMENT

Meeting adjourned at 8:48 P.M.

APPENDIX B – REPORTS FROM COMMITTEES

Education Committee
Report to CLSA Central Coast Chapter
March 2023

Committee Members

- Ed Reading
- Doug Rion
- Kyle Huerth
- Robert Reese
- Luz Garcia, Ex-Officio
- Tom Mastin, Chair

Budget for 2023

For budgeting purposes, the Committee has asked for a budget of \$1750, all of which will go to scholarships, as follow:

- Central Coast Scholarship (Current Support \$500)
- Cliff Lewis Memorial Scholarship (Current Support \$750)
- Jeremy Redmond Memorial Scholarship (Current Support \$500)

These funds are generally sent to the CLSA Foundation during fall.

Chapter Scholarships

Although the funds are sent to the Foundation in the fall, the scholarships are awarded in January. This year our scholarships were awarded as follows:

- Central Coast Chapter Scholarship awarded to Andres M. Torres, student at Fresno State
- Cliff Lewis Memorial Scholarship awarded to Clarissa Condit, student at Fresno State
- Jeremy Redmond Memorial Scholarship awarded to Eduardo Flores, student at Cal Poly Pomona

The selection is made by the Education Foundation.

GPS on Benchmark Campaign · 2023

No matter how hard we try, NGS keeps extending the deadline for the GPS on Benchmarks campaign. It will now run until September 30, 2023. The chapter indicated that they would like to continue the effort, again this year. The committee is looking at ways to increase participation, but as of yet have not finalized that plan.

There are about 102 benchmarks within the area of the Chapter that NGS would still like to be picked up. Looking at what NGS calls the "Population Priorities" there are only about 30 within those areas. Caltrans has done an excellent job in observing the benchmarks within their rights of way, so many of the remaining would not need a permit to occupy.

We have updated the web page <https://www.centralcoastclsa.org/index.php/gps-on-benchmarks/> with the current list of benchmarks. We are hoping that surveyors might go out and do some collection on their own, and just let the chapter know if you process a benchmark through NGS so we can keep the list current.

We have no action items for this meeting.

Respectfully submitted.

Tom Mastin; Education Committee Chair

Education Committee
Report to CLSA Central Coast Chapter
May 2023

Committee Members

- Ed Reading
- Doug Rion
- Kyle Huerth
- Robert Reese
- Luz Garcia, Ex-Officio
- Tom Mastin, Chair

The Committee met over Zoom on March 29. This report represents the results of that meeting.

GPS on Benchmark Campaign · 2023

The committee decided on:

- Open competition, from start of 2023 to end of September 2023
 - Competition opened to all:
 - May only count observations if it is being done on volunteer basis.
 - Think it is great if doing observations as a part of work but does not count towards competition.
 - Data sent to Ed Reading to be counted or Nick Pasquini for Cal Trans
 - Ed will be the final arbitrator.
 - Awards as follows:
 - At Summer BBQ, top five on the leader board will get free raffle tickets.
 - Not sure at this time the count for distribution
 - At first chapter meeting after end of competition
 - Free Dinner and some sort of award for winner

Parallax web page on “GPS for Benchmark 2023” has been updated to reflect the plans as well as updating the benchmarks needed and the creation of a leader board for the competition.

Posters “Get Kids into Survey” for schools.

Discussion about what we as a committee and we as a chapter should do for the “Get Kids into Survey” program and posters.

Decided just to promote the idea of having members getting these posters to the children’s schools and providing information on how to do that.

Kyle, coordinated with Doug to get the information up on Parallax, which has been published since April 30.

Calibration line event

There was some discussion about the status of the EDM calibration baseline along the Santa Maria River Levee.

Committee member, Mr. Reese contacted Dana Caccamise the NGS advisor for California about this. NGS is talking to Caltrans about having some training courses and remeasurements of the baselines around California.

Dana indicated that they would consider setting up a training for the Santa Maria baseline, but that has not been confirmed as of this writing.

Real Time Network

There was discussion of having a workshop on the use of both open source and private Real-time networks that cover the Central Coast. The Committee believed that the first task would be to get someone experienced in multiple RTN's to be a speaker for a meeting. However, we have not pursued that at this time.

Budget Modification request for 2023

For budgeting purposes, the Committee has asked for a revision to our budget to cover the prizes for the GPS on Benchmark competition.

Our current budget is \$1750 which covers scholarships.

We are asking for an additional \$50 to bring the total budget to \$1800.

Action Item(s):

1. Approve the modification to our budget.

Respectfully submitted.

Tom Mastin; Education Committee Chair

Education Committee
Report to CLSA Central Coast Chapter
September 2023

Committee Members

- Ed Reading
- Doug Rion
- Kyle Huerth
- Robert Reese
- Luz Garcia, Ex-Officio
- Tom Mastin, Chair

This report presents the status of the work done by the committee for the year up to this meeting.

GPS on Benchmark Campaign · 2023

The idea for this year's GPS on Benchmark Campaign was to have a competition among the chapter for the most benchmark occupations from January up to the end of the NGS campaign on September 30, 2023.

The chapter's effort this year was not successful in that we did not get any participation. This was due to lack of promotion by the committee, heavy workloads on the private industry and agencies as well as possible letdown due to this being the third year of this campaign.

The good news is the extra budgeted \$50 will not be needed by the committee.

Posters "Get Kids into Survey" for schools.

This is a program to try and develop interest in the profession for students at an early age. The group provides free posters (except postage) to be put into elementary school classrooms that show various aspects of surveying, in a very low-key sort of way. The idea is that if you have elementary school children, talk to their teacher about putting up one of these posters in their classroom.

Kyle and Doug worked together to get this information onto Parallax. Now is a good time to consider this with the beginning of a new school year. It can easily be found by doing a search for "kids" on Parallax for those that are interested.

Calibration line event

Robert Reese has been working with Dana Caccamise, NGS advisor, on trying to make this happen. Dana is trying to coordinate with Caltrans for a training class. It may happen next year, but at this time everything is tentative.

Action Item(s):

We have no action items at this time. However, it is the recommendation of the Chair that the incoming officers look for a fresh perspective for the chair of this committee. Much like the success we have had with the fresh new officers of the chapter, the committees, at least this one, needs new ideas.

Respectfully submitted.

Tom Mastin; Education Committee Chair



CENTRAL COAST CHAPTER CALIFORNIA LAND SURVEYORS ASSOCIATION

Monument Conservation Committee Report – 2023.05.24

The Monument Conservation Committee (MCC) has been appointed by President Huerth at the May, 2022, regular meeting of the chapter.

MEMBERS

The MCC currently has the following members.

Luz Garcia, PLS Ian McClain, PLS Joe Morris, PLS
Edward Reading, PLS Robert Reese, PLS, 2023 Chair Mike Stanton, PLS
John Sanders, PLS

This committee invites and is soliciting others interested in fulfilling the MCC purposes and goals. Contributions of members will include arranging material publications, event planning and organization, public agency contact and liaisons.

MISSION STATEMENT - PURPOSES AND GOALS

The MCC mission is to promote the conservation of survey monuments by:

- Developing and updating models for Plans, Specifications and Estimates (PS&E) to provide for inclusion of same in public and private construction plans,
- Creating and distributing information regarding monument conservation to the public and others,
- Engaging the public sector **and public utilities** in outreach and educational opportunities regarding monument conservation and PS&E inclusion in RFPs and RFQs.

COMMITTEE ACTIONS

This committee met by Zoom on April 3, 2023. All present. Discussion items as below.

- Add Public Utilities to Mission Statement – See above.
- Develop a COVER LETTER to accompany the “boiler plate” PS&E – UNDER REVIEW.
- Develop a CONTACT LIST of local agencies, North Santa Barbara County, South San Luis Obispo County, North San Luis Obispo County – DONE – Thank you Ed Reading and John Sanders and Ian McClain
- Develop a CONTACT LIST of public utilities, contractors, surveyors and private engineers/engineering companies – ON GOING

FUTURE ITEMS FOR CONSIDERATION

- Review and update, if necessary, the Monument Conservation Brochure and places for distribution,
- Hold informational outreach luncheons or meetings for the public sector, contractors, and others to learn about monument conservation,

MOTIONS FOR CONSIDERATION

MOVE: That two line items be added to the Budget for Treasurer’s Report as follows –

<i>Monument Conservation Committee Publication materials</i>	<i>\$100</i>
<i>Monument Conservation Committee Outreach activities</i>	<i>\$750</i>

BUDGET REPORT

None at present.

Respectfully submitted

Robert Reese, 2023 Chair

EC ExCom, Committee members, Parallax



CENTRAL COAST CHAPTER CALIFORNIA LAND SURVEYORS ASSOCIATION

Monument Conservation Committee Report – 2023.09.20

The Monument Conservation Committee (MCC) has been appointed by President Huerth at the May, 2022, regular meeting of the chapter.

MEMBERS

The MCC currently has the following members.

Luz Garcia, PLS	Ian McClain, PLS	Joe Morris, PLS
Ed Reading, PLS	Robert Reese, PLS, 2023 chair	Mike Stanton, PLS
John Sanders, PLS		

This committee invites and is soliciting others interested in fulfilling the MCC purposes and goals. Contributions of members will include arranging material publications, event planning and organization, public agency contact and liaisons.

PURPOSES AND GOALS

The MCC purpose is to promote the conservation of survey monuments by:

- Developing and updating models for Plans, Specifications and Estimates (PS&E) to provide for inclusion of same in public and private construction plans,
- Creating and distributing information regarding monument conservation to the public and others,
- Engaging the public sector and public utilities in outreach and educational opportunities regarding monument conservation and PS&E inclusion in RFPs and RFQs.

COMMITTEE ACTIONS

Currently, the Committee has not met or had any ongoing business since the May Zoom meeting. Due to an unanticipated busy schedule of this chair, the target schedule of this Fall for an outreach meeting with agencies and others may be delayed.

Still to do:

- Approve some updated PS&E “boiler plate” material for distribution to the agencies and others, for use in agency project Bid Documents and in Construction Contract Documents.
- Consider legislation retooling of PLSA §8771(d).

MOTIONS FOR CONSIDERATION

None at present

BUDGET REPORT

None at present

Respectfully submitted,

Robert Reese, 2023 Chair

EC ExCom, Committee members, Parallax



CENTRAL COAST CHAPTER
CALIFORNIA LAND SURVEYORS ASSOCIATION

May 29, 2023

Santa Barbara County Board of Supervisors
Mr. Dan Williams, Chair, First District
105 East Anapamu Street, Suite 407
Santa Barbara CA 93101

Dear Honorable Board of Supervisors:

SUBJECT: ORDINANCE AMENDING THE PUBLIC WORKS DEPARTMENT SUBDIVISION MAP AND DOCUMENT REVIEW FEE SCHEDULE-SURVEYOR DIVISION

The Central Coast Chapter (CCC) of the California Land Surveyors Association (CLSA) would like you to consider the following issues before the first hearing, scheduled for the Board of Supervisors meeting on June 6, 2023. These items concern the no-cap, cost recovery measures for checking Records of Survey (RS) maps, prepared by Professional Land Surveyors lying within the City incorporated limits in Santa Barbara County.

- The Professional Land Surveyors' Act (PLSA), Public Resource Code 8766 & 8766.5, affords the County Surveyor the sole responsibility for RS examination. There is neither an incorporated/unincorporated provision nor any reason for an incorporated city to contribute to the County Surveyor's examination costs. **Cities have no statutory or actual need to participate in the costs:** the costs are borne by taxpayers and citizens and are subsidized because they are a public benefit.
- While the proposed examination fees are levied at the time of submittal of an RS map by a Professional Land Surveyor, these fees are ultimately levied on the persons for whom the surveys are conducted, that is, the public: citizens, residents, landowners, and taxpayers in Santa Barbara County. It is the public being charged, not the land surveyor community. The subsidy of the RS examination process benefits the public, not individual cities. Incorporated cities should not be burdened with any extra RS checking fees.
- It is entirely possible that the cost recovery measures for RS checking fees charged by the County Surveyor's Office could exceed the cost of surveys by a Professional Surveyor.

Our Chapter would like to go on record as firmly against the implementation of the exorbitant proposed examination fee structure. We recommend the Board decrease their incorporated City's examination fees to match the unincorporated areas of the County's fee. Should you, the Supervisors for Santa Barbara County, need further information, we would be pleased to assist.

On behalf of the Central Coast Chapter of CLSA,

Luz Garcia, PLS
2023 President, Central Coast Chapter



**CENTRAL COAST CHAPTER
of the
CALIFORNIA LAND SURVEYORS ASSOCIATION**

**NOMINATING COMMITTEE REPORT
August, 2023**

RE: CHAPTER OFFICERS – The Nominating Committee of the Central Coast Chapter of CLSA is pleased to present the following slate of officers for 2024.

President	Jeremiah Herman, PLS
Vice-President	Tucker Sanders, PLS
Secretary/Treasurer	Marco Castaneda, PLS
Past President	Luz Garcia, PLS
Director (2 nd term)	Joseph Morris, PLS
Director (1 st term)	Luz Garcia, PLS
Alternate Director (1 st)	George Marchenko, PLS

Chapter bylaws §4.04 requires the Nominating Committee slate “...*shall be noticed to chapter members a minimum of 15 days prior to August meeting.*” And “*If there is no August meeting, the Executive Committee shall approve the slate of candidates from the Nominating Committee report and any write-in nominations at its August meeting.*”

Chapter bylaws §4.05 and Association bylaws §8.12 require a report be filed by September 30 that includes the names of chapter Officers, Directors, and Alternate Directors, along with chapter members.

Therefor the Nominating Committee requests the following.

MOVED that the Central Coast Chapter of CLSA Executive Committee approve the Nominating Committee’s slate of officers for 2024 per Bylaws;


And that this report and its approval be published in the Parallax as soon as possible along with a solicitation for write-in nominations in order to comply with the 15 day notice to the chapter preceding the chapter elections of officers and directors;

And that this report and its approval by Executive Committee be included in the Chapter’s regular business meeting agenda for the September 2023, chapter meeting at which the election of officers will be held;

And that this slate be included along with any write in or floor nominations at the Chapter elections in September 2023;

And that the list of officers so elected in September 2023, be sent to CLSA central office by September 30, 2023.

This Nominating Committee report is made this 12th day of August 2023.



Robert J. Reese, PLS

Chairman, 2023 Central Coast Chapter Nominating Committee



CENTRAL COAST CHAPTER of the CALIFORNIA LAND SURVEYORS ASSOCIATION

Relevant CCC Bylaws Sections

SECTION 4.04 NOMINATIONS

A Nominating Committee, as set forth in these bylaws, shall nominate one or more candidates for each office to be filled by election. The Nominating Committee's proposed slate of candidates shall be noticed to Chapter members a minimum of 15 days prior to the August Chapter meeting. Additional nominations via write-in nomination and nominations from the floor at the August meeting will be added to the slate of candidates.

The final slate of candidates shall be noticed to Chapter members a minimum of 15 days prior to the September meeting at which an election will take place.

If no August meeting is scheduled, the slate of candidates in the Nominating Committee report shall be posted in the Parallax or other chapter publication no later than August 1. Write in nominations shall be delivered to the Secretary/Treasurer no later than August 15.

If there is no August Chapter meeting, the Executive Committee shall approve the slate of candidates from the Nominating Committee report and any write-in nominations at its August meeting.

SECTION 4.05 ELECTIONS

Elections shall be held at the September Chapter meeting. Elections shall be by ballot unless there is an uncontested slate, in which case a unanimous ballot is cast. The Chapter shall notify the Association during the month of September, the names of persons elected as Chapter Officers and Directors.

SECTION 6.01 STANDING COMMITTEES

Standing committees shall be composed of at least three (3) Chapter members. The Chapter President shall appoint Chairs to be ratified by the Chapter, for the following standing committee

1. Bylaws Committee
2. Education Committee
3. Membership Committee
4. Nominating Committee

2023 California TrigStar Results

CA State Results	Student First	Student Last	School	Sponsor	CLSA/Caltrans District	Score	Time	Participants
1 st	Kevin	Lu	Franklin High School	Russell Smith	CLSA-Sac/Caltrans HQ-OOP	100	0:22:17	10
2 nd	Kody	Heye	University City High School	Michael Hank	Caltrans D11	100	0:39:29	69
3 rd	Nicholas	Giang	Pleasant Grove High School	Sherry Toutges	CLSA-Sac/Caltrans HQ-OLS	100	0:45:56	15
4 th	Lianglong	Huang	Florin High School	Sherry Toutges	CLSA-Sac/Caltrans HQ-OLS	94	0:19:40	68
5 th	Alyssa	Buchholz	Bishop Union High School	Sereyna Cagle	Caltrans D9			37
6 th	Owen	Xu	Branson High School	David Kendall/Sherry Toutges	CLSA-Marin/Caltrans HQ-OLS			7
7 th	Nathan	Scovis	Laguna Creek High School	Russell Smith	CLSA-Sac/Caltrans HQ-OOP			10
8 th	Gwenyth	Lemon	Paso Robles High School	Luz Garcia	CLSA-CentralCoast			12
9 th	John	Roj	San Luis Obispo High School	Luz Garcia	CLSA-CentralCoast			11
10 th	Garrett	Payne	Central Coast New Tech High School	Luz Garcia	CLSA-CentralCoast			16
11 th	Samuel	Rosen	Mission College Preparatory Catholic High School	Luz Garcia	CLSA-CentralCoast			6
								261

APPENDIX C – LOCAL ARTICLES

Parallax

Newsletter of the Central Coast Chapter of the California Land Surveyors Association

President's Message – 2023

Central.Coast.CLSA@gmail.com • February 10, 2023 •

First and foremost, I would like to thank **Kyle Huerth** and **Rochelle Vierra** for their great work as last year's President and Vice-President. We had great speakers and a warming Christmas party.

Secondly, I would like to thank all the committees for all their efforts and commitment. As you all may be aware, we now have 2 new committees, the **Legacy Committee**, and the **Monument Conservation Committee**. And lastly, I want to thank all chapter members for your constant support. It is always appreciated and your presence is always welcome.

2022 was a great year and I hope 2023 is greater!

Thank you **Jeremiah Herman**-Vice President, **Tucker Sanders**- Secretary/Treasurer for volunteering your time and for agreeing to be part of the adventure this year.

My 2023 goals for the chapter are a little ambitious but possible.

1. To increase our meeting attendance by 50% and encourage more participation from the younger surveyors.
2. To increase the Chapter's presence in at least 5 schools during career fairs and/or other events.

The first goal could be a success but not without your contribution. We all have busy lives and attending CLSA Chapter meetings and socializing might be the last item on your list. However, I invite you to take advantage of the opportunity to mingle and converse with other local surveyors and learn from each other's varying survey experiences.

Many local surveying legends are retiring and have retired and it's paramount for the younger surveying generation to learn the ropes to continue the profession and to maintain the standard of care.

If you regularly attend meetings, thank you! My request for you is to reach out to a surveyor you know that is currently not a member or is a member but doesn't attend the chapter meetings and have a fun conversation with them. It might warm them up to want to be part of the Chapter. In my experience interaction with other surveyors sparked my interest to attend the chapter meetings. This prior interaction made the attendance less intimidating and more inviting. As we have stated in previous conversations, Surveyors aren't the most social people, the thought of entering a room full of Surveyors might not sound very exciting (at first) for many of us. We have an opportunity to learn from each other

and I don't think we are taking full advantage of it. Please, have this in mind, reach out and invite others to join the fun side. We don't have cookies, but we have the PLS Act.

For the second goal, if you would like to be part of the outreach circle, send me an email (***garcialuze7@gmail.com***) and I'll add you to the list (so far, it's just me). The plan is to contact a few middle schools, high schools, and community colleges from Paso to Santa Maria and ask if we can participate in their career fair(s) this year. Once we have dates and times, we can coordinate and discuss our attendance. We'll bring fun tools and won't speak about poison oak.

Thank you all and I hope to see you in our future meetings!

Luz Garcia, PLS

2023 Central Coast Chapter President

 February 10, 2023 [<https://www.centralcoastclsa.org/index.php/2023/02/10/presidents-message-2023/>] 

Central.Coast.CLSA@gmail.com  Chapter News, officers, Presidents Message  CCC CLSA, president



Parallax

Newsletter of the Central Coast Chapter of the California Land Surveyors Association

Meet Chapter President Luz Garcia

Central.Coast.CLSA@gmail.com • March 8, 2023 •

I was raised in **Santa Maria, CA**, graduated from Fresno State with a **Bachelor's of Science Geomatics Engineering** and began my Land Surveying career in **2016**.



Did I know I wanted to become a Land Surveyor? Absolutely not. During my elementary school years, I wanted to become a teacher. By Junior high school I was aiming a little higher to the legal side and planned to become a lawyer. In high school, I decided to go into Criminology and told myself no one was going to change my mind, Criminology was my passion and what I was meant to do. About a year later, my math analysis teacher noticed my big intellect for math and science. My physics teacher tagged in and planted the seed in me to do some research into Engineering careers. Civil Engineering was the major I found interesting and one that Fresno State offered. At this time, I had accepted Fresno State, since it had a highly recognized Criminology department. My first week at Fresno State I decided to figure out my curriculum and ventured into the Civil Engineering website where I discovered "**Geomatics Engineering**". Long story short, I decided to enroll in the Intro to Geomatics course. At the end of the semester the professor, Dr. Crossfield, offered 50 extra credit points to the student that changed their major to Geomatics Engineering (I was still a Criminology Major). At this point I didn't know

what my grade was in this one credit class, therefore, I went and changed my major and that was the beginning of my Land Surveying adventure.

Aside from being a super surveyor by day, I also enjoy a variety of activities such as kickboxing, **Muay Thai**, Joga, meditation, knitting, painting, playing the piano, skydiving, zip lining, eating, reading, and **running**.



I have the tendency to get bored frequently and I like to venture into new things. My latest accomplishment had been running 2 half-marathons (a marathon, if you ask me) and currently training for my third one. The goal is to run 2 or 3 more half-marathons before a full marathon, then I can retire and move on to something else.



Anyway, there you have a short glimpse about me. If you have any suggestions on an activity I should try next, let me know! - **Luz**

Editors Note: I was recently researching through our PARALLAX ARCHIVES and came across a photograph in the March 2015 edition of Luz being presented a CCC CLSA scholarship. In her letter thanking the Chapter - a copy of the letter is shown in the PARALLAX as well - Luz states that it was the second CCC CLSA Scholarship she had received during her academic career. Isn't that fantastic ! Our chapter dues and fund raising helped a young, local student achieve her goal of a Geomatics education. She then embarks on a career in Land Surveying at a local firm and is now leading the Chapter. Each and every member should be proud of your contributions to this young professional, our own Luz Garcia ! - Editor

 March 8, 2023 [<https://www.centralcoastclsa.org/index.php/2023/03/08/meet-chapter-president-luz-garcia/>]

 Central.Coast.CLSA@gmail.com  Uncategorized 

Parallax

Newsletter of the Central Coast Chapter of the California Land Surveyors Association

Does “GPS on Benchmarks” really matter to the Central Coast?

Tom Mastin • April 10, 2023 •

So the Chapter is in its third year of assisting in the nationwide program of “GPS on Benchmarks” being run by NGS. The Chapter has gained some notoriety for the work we have done both from private and Caltrans surveyors.

The effort has been limited to a relatively few surveyors within the chapter. It could be that many surveyors don't see any direct benefit to the whole “GPS on Benchmarks” idea. At first glance it doesn't seem like it would have any impact on boundary surveys, after all “Benchmark” is in the name. It really doesn't seem like it would benefit local topographic or construction surveying. Any control survey is going to be done by tying into some sort of City or National control anyway, so why bother?

It would be great to show some direct correlation where every hour spent on a benchmark would mean \$100 dollars more in your pocket. That's not going to happen. When you read what NGS says about the program, again it seems like it does not apply to local surveys. So why do it?



“ every hour spent on a benchmark would mean \$100 dollars more in your pocket

There is a valid argument that it does pertain to local surveys and surveyors. Once the Feds finally get out their new horizontal and vertical datums, there will be more emphasis on tying surveys to it as the new datums are solely based on GPS data. Also, by tying benchmarks to the datum through "GPS on Benchmarks" program, those benchmarks will have updated positions on the new datum and they will be a part of the passive update program NGS has promised. It is not implausible that specifications for work products will require surveys to be tied horizontally and vertically to passive control. It is also a fair assumption that in the not too distant future courts could accept positions of original monumentation based on previous surveys of the monument tied to the new or future datums.



A Recently Retired County Surveyor and the 2021 Chapter President "Collecting Data" during the 2021 GPS on BM Campaign. (Or just some random guys during another roadside poker game, you decide.)

relaxing time while your receiver does the work.

This is really something that in 10 years you might look back on and realize this really was a benefit to your work and maybe put \$5 back in your pocket because of what you did!

The Chapter this year is having a contest as to who performed the most successful number of observations. The awards are about the equivalent of putting \$5 in your pocket, maybe. We know that it's not the awards that are important, it's the bragging rights! See how to get started on "[GPS on Benchmarks 2023](https://www.centralcoastclsa.org/index.php/gps-on-benchmarks/)".

📅 April 10, 2023 [<https://www.centralcoastclsa.org/index.php/2023/04/10/does-gps-on-benchmarks-really-matter-to-the-central-coast/>] 👤 Tom Mastin 📁 Chapter News, committees 🗑️ committee, GPS, NGS

Parallax

Newsletter of the Central Coast Chapter of the California Land Surveyors Association

A MONUMENTAL QUESTION: Do you set MONUMENTS or MARKERS?

Central.Coast.CLSA@gmail.com • April 27, 2023 •

Robert J. Reese, LS

After a (successful) search for a 50-year-old marker on a very large parcel along the California coast, a discussion with my client prompted me to mull over some semantics that arose in our discussion. Perhaps, I thought, this might be of interest to our surveying community. It concerns the *things* we surveyors set as place identifiers, *physical objects* placed to mark infinitesimal points on the face of the earth, *places* to which we assiduously assign spatial addresses (coordinates) that have relative relationships with other such places. In particular I'm referring to those physical marks that (purportedly) identify legal boundaries or rights of way. These *things* we call MONUMENTS.

We land surveyors are legally and solely entitled to be the setters of these MONUMENTS. I know because it says so in the California Professional Land Surveyors Act (PLSA), pretty close to the beginning of the code.

*It is unlawful for any person to practice, offer to practice, or represent himself or herself, as a land surveyor in this state, or to set, reset, replace or remove any survey **monument** on land in which he or she has no legal interest, unless he or she has been licensed or specifically exempted from licensing under this chapter [emphasis added]* (California Business and Professions Code §8725)

Also, the Nevada Revised Statutes (NRS) have a similar definition of land surveying and the privilege thereof.

A person who, in a private or public capacity, does or offers to do any one or more of the following practices land surveying:

*...(c) Determines, by the use of the principles of land surveying, the position for any **monument** or reference point which marks a property line, boundary or corner, or sets, resets or replaces any such monument or reference point. [emphasis added]* (Nevada Revised Statutes §625.040)

This thing called a MONUMENT is mentioned 36 times in the PLSA, and 25 times in the NRS, but not once with a definition of what this MONUMENT is or is supposed to be. Yes, it's qualities – durable, sufficient in number, etc. – are noted, but it is left to the land surveyor (or individual licensed to perform land surveying, or individual exempted therefrom) to determine what a MONUMENT is and to statutorily mark it with her or his assigned license number.

We also set *things* that are NOT representative of property corners or lot corners etc. These things we call CONTROL POINTS. They, too, have spatial addresses and positions relative to other such CONTROL POINTS that assist us in determining the location of MONUMENTS. I've noticed that sometimes these things we surveyors set called CORNER MONUMENTS and CONTROL POINTS look awfully similar, sometimes virtually indistinguishable. So why don't we set CORNER POINTS or CONTROL MONUMENTS? Maybe you do and I just don't know about it?

And here in California there is even a program called MONUMENT PRESERVATION that purports to support the *preservation* of "monuments"! Not only are CORNER MONUMENTS targets for preservation, but so are CONTROL POINTS when they rise to a certain importance. (Govt. Code §§27584-27585)

So... I have some questions.

1 What is a MONUMENT anyway, and what does it mean to a lay person when we tell them we set MONUMENTS at their property corners?

2 Why this distinction of species as to what is hammered into the ground, or scribed or set to mark a particular place?

3 What qualities raise a thing to a level worthy of the moniker "MONUMENT"?

Regarding question 1, perhaps Mr. Webster needs to jump in here.

monument (noun)

*1 obsolete: a burial vault: sepulcher; 2: a written legal document or record: a treatise; 3a(1): a lasting evidence, reminder, or example of someone or **something notable or great** [emphasis added]; 3a(2): a distinguished person; 3b: a memorial stone or a building erected in remembrance of a person or event; 4 archaic: an identifying mark: evidence; also: portent, sign; 5 obsolete: a carved statue: effigy; 6: a boundary or position marker (such as a stone); 7 National Monument*

(<https://www.merriam-webster.com/dictionary/monument> [<https://www.merriam-webster.com/dictionary/monument>])

Ah, there it is, right there at 6: a boundary or position marker.

For a while now I have been referring to such things in conversation with clients and other surveyors as MARKERS. It seems there is little question in the mind of lay persons that when I put a thing at their property corner, it is a MARKER – it MARKS the location. I may tell them it is a 2" iron pipe with a small brass tag on it with a secret code number, or it is a 1" domed brass disk in the sidewalk, or ... whatever. I have never had the label MARKER questioned or misunderstood. However, I have been queried by a client with a surprised look: "How big is the monument?". Thus the answer to question 1 above may be..."confusing?"





Question number two may be simply semantics – but only to us as a professional group. A CONTROL POINT is something that is not the other thing, a MONUMENT. OK, fair enough. The 1" iron pipe or No.5 rebar I set, both having a plastic cap with the notation "CONTROL POINT" along with my business name is simply not a MONUMENT. (Some may question why not my LS number? Reason to follow.) However, many times I have had to explain to a property owner that that colored plastic thing here that says "CONTROL POINT" is a CONTROL POINT, and that colored plastic thing over there with an LS number that someone else set is a MONUMENT, appearing to the uninitiated almost identical – plastic, about the same size, some bright color, with some writing on it. Perhaps the situation deserves reconsideration by our group.

And now to question number three. What makes a MARKER a MONUMENT? I have now arrived at the reason for this diatribe. We surveyors set all types of MARKERS: nails, nails with brass tags, bronze discs of varying diameter, stones, tree scribing, iron rods and pipes, car axles, the list is long. But my question is what do most people envision when they hear the word MONUMENT? Personally, I see the Washington Monument. I see the obelisks that mark the international border between the United States and Mexico. I see a number of markers of "lasting evidence of something notable or great". How do you see your surveys? Do you see them as something "notable and great", no matter how quotidian the endeavor is to you or how small the lot in the block? I submit that the property owner may attach more importance to your survey than you do.

As a case in point, and the incident that led to this writing, I offer this anecdote. I was retracing a survey done in 1970's by an individual licensed to perform land surveying services. His was a pretty important survey I thought, and covered a large, valuable and pristine tract described along a part of the California coast that has spectacular views. That survey set ½" rebar and plastic caps. I found said rebar, bent, buried, without the benefit of the identifying cap, but in the expected position and it clearly had the hallmarks of a piece of steel in the ground for nearly half a century. What does the landowner for whom the survey was performed think of such a non-durable marker, one that says "My survey effort is worth an 18" piece of ½" rebar and a cheap plastic cap set to mark the corners of your valuable land." Now, in counterpoint, I have had the honor of retracing one County Surveyor who, in the early 1900's cast his own (impressive) bronze disks, 4" in diameter, with the name of the client, his name and the date of the survey cast into the marker and set them in a 2" iron pipe, buried in the ground. Talk about lasting evidence of something "notable and great"!

Think about what you set as a MONUMENT, that MARKER that represents your survey work, the product of your professional expertise and experience. How proud are you of your survey effort? What will your client think of their new property marker? How much more effort is it to set, say, an iron pipe with a bronze disc in concrete (which could easily outlast your lifetime and be relied upon by those following in your footsteps) than a ½" rebar and plastic cap, one which can be bent or removed with slightest effort by natural forces or by man?

That, my fellow surveyors, is a MONUMENTAL question.

 April 27, 2023 [<https://www.centralcoastclsa.org/index.php/2023/04/27/a-monumental-question-do-you-set-monuments-or-markers/>]  Central.Coast.CLSA@gmail.com  guest opinion 

Parallax

Newsletter of the Central Coast Chapter of the California Land Surveyors Association

How hard can it be?

By: Tom Mastin

I was lucky enough to attend the most recent chapter meeting in Los Osos, to hear Robert Reese's excellent presentation on hydrographic (bathymetric) surveys. Over the course of the presentation, he tried to infer how easy this work was, while showing, at least from my view, that it was fairly complicated.



I think he has a point, although he may disagree with me, that an experienced professional can be competent and successful in this area of surveying. However, his use of the Staples "Easy" button got me thinking about how people, like me, learn how to do some technical task. These days we use YouTube as a source, and I suspect that there are YouTubes on surveying.

However, that is really passe these days, you don't see any kids doing YouTubes. So I thought I should go to the source that people will be using to find out how to do their weekend surveying - A.I. Specifically I went to ChatGPT 3.5 July 2023 version. This is not GPT-4, which is supposed to be significantly better than 3.5 but also requires a monthly fee.

So, what follows is my discussion with ChatGPT about a boundary survey that your potential clients will be having. As you will see ChatGPT likes to talk.

I need to do a boundary survey on a city lot, what equipment will I need to perform the survey?

Performing a boundary survey on a city lot requires specific equipment to ensure accurate measurements and precise demarcation of property lines. Here is a list of essential equipment you will need:



Total Station: A total station is an advanced electronic surveying instrument that combines an electronic theodolite with an electronic distance meter (EDM). It measures angles and distances between points to determine precise coordinates.

GPS (Global Positioning System) Receiver: GPS equipment is used to establish accurate coordinates for various points on the lot. It

is especially useful for establishing control points and tying the survey to a global reference system.

Surveying Prism and Pole: These are used with the total station to reflect the EDM signal back to the instrument, allowing you to measure distances to specific points.

Tripod: A stable tripod is essential for setting up the total station and maintaining its stability during measurements.

Measuring Tape: A long measuring tape is handy for measuring distances that may be difficult to access with the total station.

Plumb Bob: A plumb bob is used to establish vertical reference points, ensuring that measurements are taken from level positions.

Wooden or Metal Stakes: Stakes are used to mark points and corners on the lot, such as property corners or specific reference points.

Surveyor's Flagging Tape: Colored flagging tape is used to mark points and lines temporarily for easy identification during the survey.

Pruning Shears/Machete: In cases where vegetation obstructs your view, pruning shears or a machete can be helpful for clearing the path and getting clear line-of-sight.

Notepad and Pencils: Keep a notepad and pencils handy for recording measurements, notes, and any other relevant information during the survey.

Personal Protective Equipment (PPE): Depending on the location and potential hazards, it's crucial to have safety gear such as a hard hat, safety vest, gloves, and sturdy footwear.

Communication Device: If you are working with a team, having reliable communication devices such as two-way radios or smartphones is essential for coordinating the survey.

Before conducting the boundary survey, ensure you are familiar with surveying techniques and regulations in your area. Also, consider checking with local authorities or hiring a professional surveyor if you're unsure about any legal or technical aspects of the survey. Boundary surveys are critical for establishing property lines, so accuracy and precision are of utmost importance.

For this boundary survey, will I need any office equipment?

Yes, for a boundary survey, you will need some office equipment to process and analyze the data collected in the field. Here are some essential office equipment and tools you may need:

Computer: A computer is essential for data processing, analysis, and generating survey reports. Ensure your computer has sufficient processing power and memory to handle surveying software.

Surveying Software: Invest in reliable surveying software to process and analyze the data collected during the survey. These software tools help you calculate coordinates, angles, distances, and create detailed survey maps.

CAD Software: Computer-Aided Design (CAD) software is valuable for creating precise drawings and maps based on the survey data. It allows you to draft boundary lines, features, and other details accurately.

Printer/Plotter: You may need to print survey maps, drawings, or reports for record-keeping or to provide clients with physical copies. A high-quality printer or plotter is essential for this purpose.

Scanner: If you receive any paper documents or drawings related to the property, a scanner will allow you to convert them into digital formats for easier storage and manipulation.

External Hard Drive or Cloud Storage: Since survey data can be substantial, it's essential to have ample storage space to keep backups and ensure data security. Consider using an external hard drive or cloud storage for data backup.

Office Supplies: Keep a supply of stationery items such as pens, pencils, erasers, rulers, and notepads for general office work and taking notes during data processing.



Large Format Scanner (Optional): Depending on the scale of the survey and the size of physical survey drawings, a large format scanner may be beneficial for digitizing large documents and drawings.

Survey Record Books: Maintain organized and well-documented survey records in physical or digital format for future reference and to comply with legal requirements.

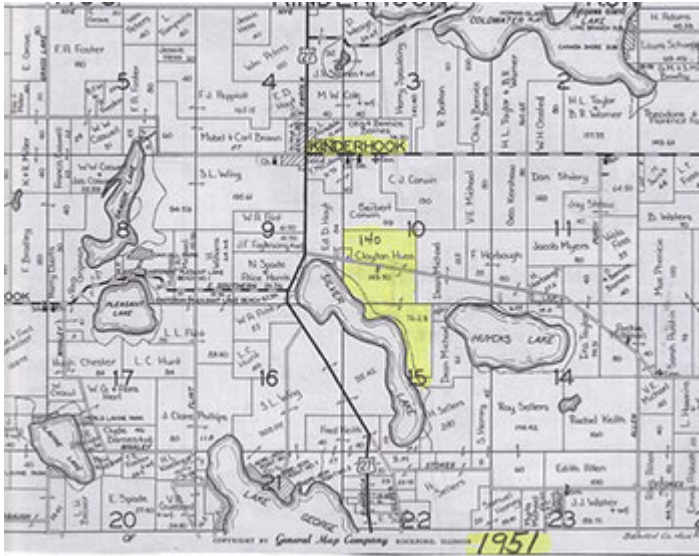
Internet Connectivity: A reliable internet connection is necessary for accessing online resources, collaborating with team members, or sending and receiving large survey files.

While the fieldwork is crucial for gathering accurate data, the office work is equally essential for processing the collected information, generating deliverables, and ensuring the survey is completed successfully. Having the right office equipment will facilitate efficient data processing and analysis, leading to accurate boundary survey results.

Thank you, what research will I need to do for the boundary survey before I go out in the field?

Before going out into the field for a boundary survey, conducting thorough research is essential. Proper preparation will help you understand the property's history, legal documents, potential survey challenges, and relevant regulations. Here's a list of research tasks to undertake:

- 1. Property Deed and Legal Description: Obtain a copy of the property deed and legal description from the property owner or local land records office. The legal description should provide detailed information about the property's boundaries and any reference points used in the deed.*
- 2. Previous Surveys: Look for any previous surveys of the property. Existing survey records can be valuable references and may reveal important details about the property's boundaries and corner markers.*
- 3. City/County Records: Check with the city or county records office to gather information on any past building permits, land use restrictions, or zoning regulations that might impact the survey.*
- 4. Plat Maps: Obtain copies of any plat maps or subdivision maps for the area. Plat maps can provide valuable insights into the layout of the neighborhood and surrounding properties.*
- 5. Easements and Encroachments: Research any easements or encroachments that may affect the property boundaries. These can include utility easements, rights-of-way, or neighboring structures that cross into the property.*
- 6. State and Local Surveying Regulations: Familiarize yourself with the surveying laws and regulations in your jurisdiction. Each area may have specific requirements for boundary surveys, such as allowable*



measurement methods and accuracy standards.

7. *Historical Maps and Aerial Imagery:* Look for historical maps and aerial imagery of the area to understand changes in the landscape over time. Old maps can help identify natural or artificial markers that might not exist today.

8. *Nearby Monuments or Reference Points:* Identify any known reference points or monuments near the property. These may

include survey markers, benchmarks, or other permanent objects that can serve as control points for your survey.

9. *Adjacent Property Owners:* Reach out to neighboring property owners to gather information about any shared boundaries or disputes that might impact the survey.

10. *Environmental Factors:* Consider environmental factors that could affect the survey, such as flood zones, wetlands, or steep terrain.

11. *Online Resources:* Utilize online resources such as GIS databases, property assessment websites, and geographic data to gather additional information.

12. *Consult a Licensed Surveyor (Optional):* If you are uncertain about any legal or technical aspects of the survey, consider seeking advice from a licensed professional surveyor.

Thoroughly researching the property and its surroundings before heading into the field will equip you with the necessary knowledge to conduct a successful and accurate boundary survey. It will also help you anticipate potential challenges and ensure compliance with local regulations.

In the field for this boundary survey, I found the two back corners, but could not find any front corners. I did find a monument in the centerline of the road on each side of my lot. How can I establish the front lot corners?

If you have found the two back corners of the lot but are unable to locate the front corners, and there are monuments in the centerline of the road on each side of your lot, you can use the monuments as reference points to help you establish the front lot corners. Here's how you can proceed:

1. *Determine the Centerline of the Road:*

Use a measuring tape or total station to establish a straight line between the two road monuments. This line represents the centerline of the road.

2. *Calculate the Half-Width of the Road:*

Measure the distance between the two road monuments to determine the width of the road. Divide this measurement by 2 to get the half-width of the road.

3. *Offset from the Centerline:*

Measure the half-width of the road from the centerline towards your lot. This will give you an approximate location for each of the front corners.

4. *Look for Evidence of Lot Corners:*

Once you have established the approximate location of the front corners, look for any evidence of lot corners in the area. This evidence may include old survey markers, metal pins, or physical monuments.

5. *Search for Property Corners:*

Conduct a thorough search around the approximate locations to find any property corner markers. Be diligent in examining the ground for any signs of boundary markers or survey monuments.



6. *Use a Metal Detector (Optional):*

If you are having difficulty locating markers, you can use a metal detector to assist you in finding buried metal pins or markers that might not be visible on the surface.

7. *Consult Previous Survey Records (Optional):*

If available, refer to any previous survey records for the property. The records may provide additional information about the front lot corners or the location of corner markers.

8. *Verify with Local Authorities (Optional):*

If you are uncertain about the lot boundaries, you may consult with local land surveying authorities or a licensed surveyor for guidance on establishing the front corners.

Remember that a boundary survey requires precision and accuracy. If you encounter challenges in locating the front lot corners or have doubts about the survey, it's best to seek assistance from a licensed professional land surveyor. They have the expertise and tools to accurately establish property boundaries and ensure compliance with legal requirements.

Great, I have now set the front corners of my lot. I live in the City of San Luis Obispo, in the state of California. Do I need to file anything with a government agency to show where I set my corners?

As a responsible property owner conducting a boundary survey and setting the lot corners, it is a good practice to inform the relevant government agency or local authorities about the survey work you have done. In the City of San Luis Obispo, California, there might be specific requirements regarding property surveys and lot corner markings. Here are the steps you should consider taking:

1. Consult with a Licensed Land Surveyor (Optional):

While you have set the lot corners, it is advisable to consult with a licensed land surveyor to review your work and verify the accuracy of the boundary survey. A professional surveyor can ensure that your survey meets the necessary standards and complies with local regulations.

2. Record the Survey with the County Surveyor's Office:

In California, you can record your survey with the County Surveyor's Office or the County Recorder's Office. Recording the survey provides an official record of the boundary work you have completed and helps ensure the information is accessible to the public and other parties.

3. File a Corner Record (Optional):

California offers the option to file a Corner Record with the County Surveyor's Office. A Corner Record is a formal document that provides information about the monumentation and location of property corners. While it is not mandatory, filing a Corner Record can help protect the corners you have set and preserve the information for future reference.

4. Communicate with the City's Planning or Building Department:

Inform the City's Planning or Building Department about the boundary survey and the establishment of lot corners. They may have specific requirements or documentation needed for the city's records.



5. Notify Neighboring Property Owners:

It is courteous to inform your neighboring property owners about the boundary survey and the establishment of lot corners, especially if the survey might affect their property in any way.

6. Keep Detailed Records:

Maintain detailed records of your survey work, including field notes, measurements, photographs, and any other relevant documentation. These records will be valuable for future reference and potential disputes.

Remember, land surveying and property boundaries can be legally complex matters. It is always best to consult with a professional land surveyor and follow the local regulations and procedures to ensure that your survey work is accurate, properly

documented, and in compliance with all applicable laws.

So you have mentioned a licensed land surveyor a few times in our discussion. Since I am doing the survey on just my lot, do I need to have a licensed land surveyor do this, or am I okay doing this on my own.

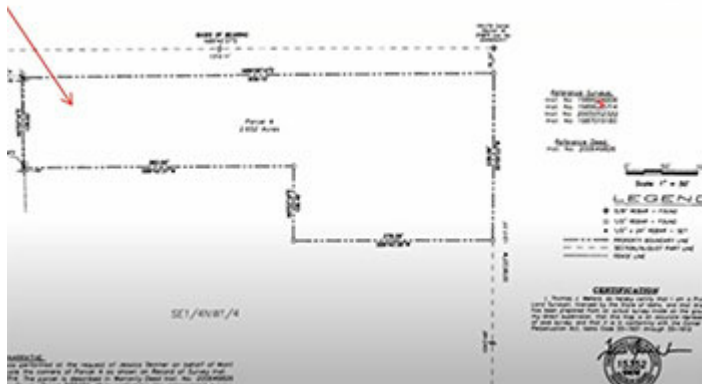
The decision to hire a licensed land surveyor or conduct the survey on your own depends on various factors, including the complexity of the survey, your expertise in surveying, and the legal requirements in your area. Here are some considerations to help you make an informed choice:

1. Complexity of the Survey:

If your lot has straightforward boundaries, no disputes with neighbors, and clear reference points (such as existing monuments or markers), you may be able to conduct a basic boundary survey on your own. However, if the lot boundaries are complex or unclear, or if there are potential encroachments or disputes with neighbors, it is best to involve a licensed surveyor to ensure accuracy and avoid legal issues.

If you have decided to conduct the boundary survey on your own and file a Record of Survey with the County Surveyor's office, it's essential to include accurate and relevant information on the map. While I can provide general guidance, keep in mind that specific requirements may vary depending on your local jurisdiction. Here are some key elements you should consider including on the map:

1. *Property Boundaries:* Clearly depict the property boundaries of your lot on the map. Use accurate measurements and angles to define the boundary lines.



2. *Corner Monuments:* Show the locations of the corner monuments you set during the field survey. Use symbols or labels to identify each corner, and include details about the type of monument used.

3. *Lot Dimensions:* Include the dimensions of the lot, indicating the lengths of each boundary and the angles between adjacent

sides.

4. *Legal Description:* Provide the legal description of the property as recorded in the deed or other official documents.

5. *Street Names and Right-of-Way:* If applicable, indicate the names of adjoining streets and the width of any public right-of-way adjacent to your property.

6. *Building and Structures (Optional):* While not strictly required for a boundary survey, you may choose to include the location of your house and other significant structures on the property to give context to the boundaries.

7. *North Arrow and Scale:* Include a north arrow to indicate the orientation of the map and a scale bar to show the map's relationship to real-world measurements.

8. *Surveyor's Certification:* If allowed by your jurisdiction, include a certification block stating that the survey was conducted by you, listing your name, address, and qualifications.

9. *Date of Survey:* Clearly indicate the date when the survey was conducted.

10. *Reference Data:* Provide information about the reference points used for the survey, such as the location of nearby monuments or control points.

11. *Note About Setbacks or Easements (Optional): You may add a note indicating any setbacks or easements recorded in your deed or other relevant documents.*

Ensure the map is drawn to scale, neat, and legible. It is vital to maintain accuracy and consistency throughout the drawing. Before submitting the Record of Survey, review the requirements set by the County Surveyor's office to ensure that your map complies with their guidelines.

Keep in mind that the quality and completeness of the map can significantly impact the acceptance and validity of your boundary survey. If you are uncertain about any aspect of preparing the map, consider consulting with a licensed surveyor or the County Surveyor's office for guidance.

Thank you for your help with this.

You're welcome! I'm glad I could assist you. If you have any more questions in the future or need further help with anything else, feel free to reach out. Good luck with your boundary survey, and I hope everything goes smoothly for you! Have a great day!



🕒 Aside 📅 August 1, 2023 [<https://www.centralcoastclsa.org/index.php/2023/08/01/how-hard-can-it-be/>]

👤 Tom Mastin ✎

1 thought on “How hard can it be?”



Robert Reese

August 1, 2023 at 8:09 pm

that is the most unnerving thing I have read.... today...

