



# Land Surveyors' Association of Washington

526 South E Street, Santa Rosa, CA 95404

[\(888\) 994-2845](tel:(888)994-2845)

[www.LSAW.org](http://www.LSAW.org)

## Board of Directors Meeting Minutes

June 1, 2019—Renton Technical College, Renton, WA

### In Attendance:

**Executive Committee:** Kate Schalk, President; Donald Wieber, President-Elect; Jeff Lynch, Vice-President; Andy Doan, Treasurer; Lynee Forsyth, Secretary

Weston Dorszynski, Immediate Past President was absent.

**LSAW Executive Staff:** Crissy Willson, Executive Director

### **Directors and Chapter Representatives:**

#### **Directors:**

<b>CC</b>	Justin Turnbull	
<b>IE</b>	Darrel Carsten	Todd Albert
<b>LC</b>	Anthony Chenier	
<b>NC</b>		
<b>NE</b>		
<b>NO</b>	Michael Dunphy	Luke Lymangrover
<b>NPS</b>	Joe Kraft	Tom Barger
<b>NW</b>	Chris Jepson	
<b>SC</b>	Matt Rasmussen	Lawrence Barbus
<b>SNO</b>	David Lemke	
<b>SPS</b>	KC Moore	
<b>SW</b>	John Linzee	Gary Letzring
<b>WFPS</b>	Ben Petersen	
<b>NSPS</b>	Jim Coan	

#### **Committee Chairpersons and Special Guests:**

Pat Beehler – LSAW Past President & Washington State DNR Public Land Survey Office

### Opening Formalities:

**Call to Order:** At 10:00 AM the meeting was convened by President Kate Schalk. A roll call was taken, and a quorum was determined to be present.

### **Pledge of Allegiance**

**Moment of Silence:** A moment of silence was observed for Paul Tompkins of the South Central Chapter who recently passed away.

### **Agenda Update/Revisions:**

- Additional item for “Posting of the Minutes” to be added under Old Business.
- New Business Item 3.k. NSPS Committee Report to be moved to first item under New Business.



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**Motion 2019-021: MOVED by Tom Barger and SECONDED to approve the agenda revisions. MOTION CARRIED.**

**Minutes:** Before approval Lynee Forsyth pointed out 2 minor errors in the draft minutes that needed amending. The minutes from the previous meeting were approved by motion:

**Motion 2019-022: MOVED by Donald Wieber and SECONDED to approve the minutes of the March 2, 2019 Board meeting as amended in session. MOTION CARRIED.**

**President's Report:** Report included in the agenda.

President Kate welcomed everyone and went over the general topics and goals for the day.

**Treasurer's Report:** Report included in the agenda.

**Motion 2019-023: MOVED by Jeff Lynch and SECONDED to accept the Treasurer's Report as provided in the agenda. MOTION CARRIED.**

**Executive Office Report:** Report included in the agenda.

The Executive Office has reviewed the LSAW Balance Sheet and recommended that we open a new investment CD.

**Motion 2019-024: MOVED by Jeff Lynch and SECONDED to authorize Crissy Willson to open a new investment CD. MOTION CARRIED.**

Crissy will work with the Budget and Finance committee regarding the amount and term of the CD.

As of this meeting the Executive Office was still waiting for chapter financial reports from the Cascade Columbia, Lower Columbia, and North Central chapters.

Crissy reported that the Conference Committee will be holding their first meeting directly after today's board meeting to discuss the 2019 Fall Seminar and the 2020 Conference. Crissy also reported that she has received proposals for the 2021 Conference and was able to negotiate a more favorable contract with the Hilton Vancouver. The Board agreed that the Hilton Vancouver would be a good venue and by motion voted to hold the 2021 Conference in Vancouver, WA.

**Motion 2019-025: MOVED by Andy Doan and SECONDED that the LSAW authorize Crissy Willson to negotiate and sign a conference contract for 2021 in Vancouver, WA. MOTION CARRIED.**



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The discussion then moved to the possibility of a joint conference with the Professional Land Surveyors of Oregon (PLSO) in 2021 since we will be just across the river from them.

**Motion 2019-026: MOVED by Andy Doan and SECONDED that the LSAW authorize Crissy Willson to contact PLSO regarding a joint conference and if they are interested negotiate/sign an MOU with PLSO for the 2021 Conference in Vancouver, WA. MOTION CARRIED.**

Ben Petersen and Tom Barger commented that there are items that are outdated on the LSAW website. Crissy Willson reported that the website can be updated quickly and if any member finds a broken link or something that needs to be changed, please send an email or call the office so it can be fixed. Pat Beehler suggested the photos on the homepage be changed. Crissy Willson reported that the photos can be changed however any photos provided to LSAW must include a signed photo release. If you have surveying pictures that may be good for posting on the website then forward them along to the Executive Office and a release form will be provided. Chris Jepson kindly volunteered to review the website on a regular basis and report any broken links or outdated content to the Executive Office. Thank you, Chris!

## **Unfinished (Old) Business:**

**Arbitration Manual:** A formal request to use the process outlined in the LSAW's Arbitration Manual was recently submitted. The Board previously voted to suspend use of the arbitration manual last August by Motion 2018-023. At that time the Board was directed to review and determine if the arbitration manual was a useful tool for our members. The Board reviewed the manual and the current request. It was determined that this may be a potential liability for LSAW and the manual has not been a tool utilized by the membership in over a decade.

**Motion 2018-027: MOVED by Tom Barger and SECONDED to keep the Arbitration Manual suspended. Amended by Motion 2018-028.**

Ben Petersen reported that the arbitration committee was previously dissolved due to lack of use. The Board discussed options for a less formal process of peer review and Crissy Willson provided information regarding practices of other western state associations. Pat Beehler provided information regarding the use of the manual in the past and how the process created conflict and eventual loss of the members involved. Following this discussion, a majority of the Directors thought the manual should be abolished rather than suspended.

**Motion 2018-028: MOVED by Matt Rasmussen and SECONDED to AMEND Motion 2018-027 to abolish the Arbitration Manual rather than keep it suspended.**

**AMENDMENT CARRIED. MOTION AS AMENDED CARRIED.**



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President Kate Schalk suggested that the Board should consider forming a committee that could serve as a peer review process in a less formal manner, in the future if deemed a benefit to the membership.

**Posting of the Minutes:** Ben Petersen expressed concern regarding the location of where the meeting minutes were being posted on the LSAW website. Crissy Willson moved the minutes from behind the password protected Board portal to the public portion of the website. It was also confirmed that pursuant to Motion 2018-042, unapproved draft minutes will be posted to the website. Executive Director Crissy Willson again advised the Board that distributing draft minutes was not advisable.

## **New Business:**

**NSPS Delegation Report:** Report included in agenda.

Jim Coan and President Kate discussed the letter that was sent to each NSPS State Director requesting information regarding the level of interest in the "Certified Floodplain Surveyor" program. LSAW will be passing these questions along to the membership and will compile the answers and send responses back to NSPS.

President Kate also gave a recap on the positive experience she had at the NSPS Spring Seminar and "Day on the Hill" and reports that there are a lot of important things being done on the national level for our profession and that LSAW has a loud voice at NSPS. Pat Beehler and Jon Warren (filling in for Jim Coan) were also in attendance.

The NSPS MOU Amendment that was approved by Motion 2019-018 has been received and needs to be signed by the LSAW President and Secretary.

**Motion 2019-029: MOVED by Andy Doan and SECONDED to authorize the LSAW President and Secretary to sign the NSPS MOU Addendum. MOTION CARRIED.**

**Renton Technical College (RTC) Request:** RTC has requested permission to use LSAW's "Ethics and Business" continuing education module presented by Jon Warren for students enrolled in the surveying program at RTC.

**Motion 2019-030: MOVED by Donald Wieber and SECONDED that Jon Warren's "Ethics and Business" video be distributed to Renton Technical College for education purposes only. Video may not be used for seminars or sale for non-students. MOTION CARRIED.**

**Chapter Reports:** Included in the agenda except for Southwest which is attached to these minutes and except for Cascade Columbia, Northeast, Northwest, and South Central which were not submitted.

## **Recessed for Lunch 11:57 AM- 12:35 PM**

## **Committee Reports:**

**2022 NSRS Datum:** Report included in agenda.



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Tom Barger reported that GPS on Benchmarks is still needed in Washington to improve the GEOID Model.

Pat Beehler provided a handout which outlines the proposed changes to RCW 58.20 that will be needed when the new 2022 datum goes into effect. The handout is attached to these minutes. Please direct any comments to Pat.

**BORPELS Liaison:** Report included in agenda.

Tom Barger reported on the status of the legislative process that BORPELS went through to become an independent small agency. SB 5443 died in committee and then resurrected as amended HB 1176 which was passed and signed into law by Governor Inslee on May 21, 2019.

**Bylaws Committee:** Report included in agenda.

Committee Chair Lynne Forsyth reminded chapter leaders that we are approaching the deadline for chapter bylaws approval if we are going to adopt them all at the August board meeting. Many chapters still haven't submitted their proposed changes to the Bylaws committee which needs to be done before the chapter can vote on them. This is an important step because all chapter bylaws need to be in compliance with the LSAW corporation bylaws in order to apply for a group exemption with the IRS.

**Conference Committee:** Report included in agenda.

Amanda Askren submitted her last report as Conference Committee Chair for LSAW. Amanda totaled up the proceeds from the past 9 years and reports a total of \$412,678 in proceeds. LSAW is grateful for the great work that Amanda and the Conference Committee have done for our organization over the past 10 years!

The final 2019 conference report and financials, including chapter distribution amounts, were included in the agenda and approved by motion:

**Motion 2019-031: MOVED by Jeff Lynch and SECONDED to accept the Conference Committee report for the 2019 Conference and distribute the conference funds to the chapters. MOTION CARRIED.**

**Education Committee:** Report included in agenda.

Committee Chair K.C. Moore reported that he has been distributing a lot of "Get Kids Into Surveying" posters. K.C. also spoke about the RTC surveying program and pledge that was sent out to the membership recently. He encourages us to support the program and send our Technicians to school.

**Evergreen State Surveyor (ESS):** Report included in the agenda.

Ben Petersen reported that the first publication of the ESS for 2019 is behind schedule but should be out in mid to late June. Ben reported that advertising income offset a portion of the production costs. Ben asked that all material for the next publication be submitted by the end of September for publishing in November.

**Prevailing Wage Committee:** Report included in agenda.

**DNR SAB Liaison:** Report included in agenda.



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Liaison Tom Barger reported that Gary Letzring is going to fill the Urban Surveyor position on the SAB.

The SAB is working on a statewide BLA "model ordinance" and a white paper is being prepared that will be sent out for comment. It was suggested that LSAW should plan to provide input.

Pat Beehler reported that the Land Corner Record (LCR) form is going to be updated and proposed changes will be sent out to the SAB for review.

Pursuant to March Motion 2019-013, Tom still needs to present the approved DRAFT Surveyor's Affidavit to the SAB for feedback.

**Trigstar:** Rich Lang would like to step down as the State Coordinator. Please contact President Kate if you have an interest in this position.

**WFPS Delegation Report:** Report included in agenda.

There has not been a WFPS meeting since the last LSAW Board meeting. Next meeting will be June 14 in Las Vegas.

## **Ratification of Executive Committee Actions undertaken since the March 2019 BOD Meeting:**

It was reported that the Executive Committee took the following actions during the last quarter:

**March 7, 2019 ExComm Motion -- MOVED by Weston Dorszynski and SECONDED to authorize President Kate Schalk to sign the AMS contract. MOTION CARRIED.**

At the November 2018 meeting a motion was passed (2018-035) authorizing the Executive Committee to review the AMS contract and authorizing Weston Dorszynski to sign it. Since Weston is no longer President, we needed to transfer signing authority to Kate Schalk as the current President.

**May 2, 2019 ExComm Motion -- MOVED by Weston Dorszynski and SECONDED to authorize Crissy Willson to sign a contract with the Heathman Lodge for the October 25-26, 2019 LSAW Fall Seminar. MOTION CARRIED.**

Crissy received quotes from the Heathman Lodge and the Hilton Vancouver for the 2019 LSAW Fall Seminar to be held in Vancouver, WA. She recommended the Heathman Lodge as the overall better option for our event and needed authorization to sign the contract.

**Motion 2019-032: MOVED by Ben Petersen and SECONDED to ratify the actions of the Executive Committee between the March and June meeting. MOTION CARRIED.**



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## **Good of the Order:**

President Kate asked that we take a few minutes to go around the table and hear about the highlights from each chapter.

Ben Petersen requested the draft 2019 General Membership meeting minutes be posted on the LSAW website.

Next meeting will be August 24th in Wenatchee. The October meeting will be held in Vancouver, WA on the 26th in conjunction with the Fall Workshop.

## **Adjournment:**

The meeting was adjourned at 2:11 PM.

Respectfully Submitted,  
Lynee Forsyth  
Secretary



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## REPORT TO THE LSAW BOARD OF TRUSTEES

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### SOUTHWEST CHAPTER REPORT

JUNE 1, 2019

TRIGSTAR - Southwest Chapter had three participating schools this year:

North Thurston  
NW Christian High School  
Rainer High School.

WSRN:

The chapter has purchased a new antenna to replace the existing station "OCEN" at Ocean Shores. The antenna will be owned by the chapter and installed, operated and maintained by WSRN.

### SPEAKERS:

April- Bob Knuth PLS from the Public Land Survey Office spoke on Survey recording requirements.  
May- Abby Gleason from the Washington Department of Geology (DNR) spoke on the uses of LIDAR.  
June- Chapter meeting will be held at Mercato's Restaurant on the 14th.  
July no meeting.  
August no meeting.  
\*Chapter Barbecue will be held on August 3<sup>rd</sup>, at the home of Alan Duback.





# Land Surveyors' Association of Washington

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## REPORT TO THE LSAW BOARD OF TRUSTEES

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**MEETING DATE** April 10, 2019, Oak Street Grill, Colville, WA

**CHAPTER: NORTHEAST**

**RESPECTFULLY SUBMITTED BY: George Stolp**

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**Attendees:** Grant Tolton – President, Tom Todd- Treasurer/Trustee, George Stolp – Secretary, Travis Mitchel DNR, Alan Adams USFS, Wes Thomas and Bryce Tolton.

**Financial Report:** Tom Todd, Treasurer, reported \$4,956.76 in NE Chapter bank account.

**NE Chapter Meeting Minutes:** The February 13<sup>th</sup> 2019 meeting minutes were read by Grant Tolton and approved as written by the Chapter members.

**Action Items from last Chapter meeting:**

Action Item 1: Topic – Acceptable Legal Descriptions for Short Plat lots in Stevens County.

**Chapter Position:** Grant Tolton had written a letter to Eric Johansen, Director, Stevens County Land Services from the NE LSAW Chapter advocating the use of the short form legal descriptions for Stevens County Short Plats. Eric replied to Grant with a letter that the Stevens County Land Services will add that request to their list of items that they will address in the coming months. The NE Chapter is not asking for a change in the existing Title III Short Plat Ordinance, we are asking for a clarification on the “acceptable legal description” definition. Tom Todd will keep the Chapter updated.

**Action Item 2: Topic – Minor Corrections to Record of Surveys.**

Grant Tolton gave the chapter an update on this issue. He will give the chapter another update at our next meeting.

**Action Item 3: Topic – Introducing local High School students to the Land Surveying profession.**

Alan Adams and Travis Mitchel continue to work with the Colville School District to organize a corner search field trip. They are planning for a trip in the fall. Grant Tolton and George Stolp will work on a similar field trip this fall for students in Republic and/or coordinating with the school on a “Career

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Day” presentation. George will contact the Republic School District and report back to the Chapter.

**Action Item 4: Topic – New Chapter By-laws.**

A motion was made, and seconded, that the NE LSAW Chapter submit minor changes to the “boilerplate” version provided by Lynee Forsyth. Grant will submit document with tracked changes to Lynee.

**Good of the Order:**

A motion was made, and seconded, that the NE LSAW Chapter assist long time member, Wes Thomas, by covering the cost of his 2019 LSAW dues. This motion passed unanimously by the members.

Meeting was adjourned at 6:45 p.m.

**Next Meeting: Wednesday, July 17th, 2019 5:00 pm at the Oak Street Grill in Colville.**

# **NARRATIVE OF THE CHANGES**

## Sec. 1

The definitions are changed to accommodate the new datum.

- “committee” is dropped and “NSRS” is added.
- “GRS 80” is eliminated
- The acronym “NGS” is added.
- Coordinate system of “1927” is eliminated.
- Coordinate system of “1983” is eliminated and “WPCS” was added.
- WPCS is as defined by NGS.
- A new definition for “Metadata” is added. (Note that it includes a statement of relative accuracy).

## Sec. 2

- Eliminated reference to the implementation date and the use of NAD 1927 and 1983.
- Added the reference to the coordinate system establish by NGS that is based on the NSRS.

## Sec. 3

- All of Section 3, definition of zones and counties included in zones, is eliminated.

## Sec. 4

- Eliminated reference to “1983”, added “plane” and dropped reference to established zones.

## Sec. 5

- How coordinates are to be labeled is revised.
- “Height” is added

## Sec. 6

- Added requirement for “metadata” when WPCS coordinates are used

## Sec. 7

- Sets the official datum as that defined in the NSRS.
- Eliminates the technical definition of the zones. Zones will be defined by NGS.

## Sec. 8

- Removes the requirement for the national standards. A statement of positional tolerance is required as part of the metadata.
- Eliminates having to tie to passive monumentation.

## Sec. 9

- Revises the definition of the foot.

## Sec. 10

- Added “plane” to the section.

Sec. 11

- Added “plane” and removed “of 1983”

Sec. 12

- Added “plane” and removed “of 1927 or 1983”.

Sec 13

- Added new section to allow other datums, plane coordinates systems, or reference networks.

DRAFT

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BILL REQUEST - CODE REVISER'S OFFICE

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BILL REQ. #:

ATTY/TYPIST:

BRIEF DESCRIPTION: Concerning the Washington plane coordinate system.

DRAFT

AN ACT Relating to the Washington plane coordinate system; amending RCW 58.20.110, 58.20.120, 58.20.130, 58.20.140, 58.20.150, 58.20.160, 58.20.170, 58.20.180, 58.20.190, 58.20.200, 58.20.210, and 58.20.220; and adding a new section to chapter 58.20 RCW.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

**Sec. 1.** RCW 58.20.110 and 1989 c 54 s 9 are each amended to read as follows:

Unless the context clearly requires otherwise, the definitions in this section apply throughout RCW 58.20.110 through 58.20.220 and 58.20.901:

(1) ~~"((Committee))~~ NSRS" means the ~~((interagency federal geodetic control committee or its successor))~~ National Spatial Reference System or its successor;

(2) ~~((("GRS 80" means the geodetic reference system of 1980 as adopted in 1979 by the international union of geodesy and geophysics defined on an equipotential ellipsoid;~~

~~(3) "National geodetic survey"))~~ "NGS" means the ((n))National ((o))Ocean ((s))Service's ((n))National ((g))Geodetic ((s))Survey of the ((n))National ((o))Oceanic and ((a))Atmospheric ((a))Administration, United States ((d))Department of ((c))Commerce, or its successor;

~~((4) "Washington coordinate system of 1927" means the system of plane coordinates in effect under this chapter until July 1, 1990, which is based on the North American datum of 1927 as determined by the national geodetic survey of the United States department of commerce;~~

~~(5) ")~~ (3) "WPCS" means the Washington plane coordinate system ~~((of 1983" means))~~, the system of plane coordinates under

this chapter (~~((based on the North American datum of 1983))~~) which is identical to the State Plane Coordinate System as ((determined)) defined for the state of Washington by ((the national geodetic survey of the United States department of commerce)) NGS.

(4) "Metadata" means data that describes other data. For the purposes of this chapter, metadata means geodetic reference system utilized, applicable epoch, statement of relative accuracy and date of observation at a minimum. Additional metadata is encouraged if it adds value.

**Sec. 2.** RCW 58.20.120 and 1989 c 54 s 10 are each amended to read as follows:

~~((Until July 1, 1990, the Washington coordinate system of 1927, or its successor, the Washington coordinate system of 1983, may be used in Washington for expressing positions or locations of points on the surface of the earth. On and after that date, the Washington coordinate system of 1983 shall be the designated coordinate system in Washington. The Washington coordinate system of 1927 may be used only for purposes of reference after June 30, 1990.))~~ The most recent version of the State Plane Coordinate System for the state of Washington, which has been established by NGS, based on the NSRS, for defining and stating the positions or locations of points on the surface of the earth within the state of Washington shall be known as the "Washington plane coordinate system."

**Sec. 3.** RCW 58.20.130 and 1989 c 54 s 11 are each amended to read as follows:

~~((The system of plane coordinates which has been established by the national geodetic survey for defining and stating the~~

~~positions or locations of points on the surface of the earth within the state of Washington is designated as the "Washington coordinate system of 1983."~~

~~For the purposes of this system the state is divided into a "north zone" and a "south zone."~~

~~The area now included in the following counties shall constitute the north zone: Chelan, Clallam, Douglas, Ferry, Island, Jefferson, King, Kitsap, Lincoln, Okanogan, Pend Oreille, San Juan, Skagit, Snohomish, Spokane, Stevens, Whatcom, and that part of Grant lying north of parallel 47° 30' north latitude.~~

~~The area now included in the following counties shall constitute the south zone: Adams, Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, that part of Grant lying south of parallel 47° 30' north latitude, Grays Harbor, Kittitas, Klickitat, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum, Walla Walla, Whitman and Yakima.)~~

**Sec. 4.** RCW 58.20.140 and 1989 c 54 s 12 are each amended to read as follows:

~~((As established for use in the north zone, t))~~ The Washington plane coordinate system ((of 1983)) shall be named, and in any land description in which it is used it shall be designated, the "Washington plane coordinate system" ~~((of 1983))~~, and the zone used shall be specified ~~((north zone."~~

~~As established for use in the south zone, the Washington coordinate system of 1983 shall be named, and in any land description in which it is used it shall be designated, the "Washington coordinate system of 1983, south zone.")~~



**Sec. 5.** RCW 58.20.150 and 1989 c 54 s 13 are each amended to read as follows:

~~(( "N" and "E" shall be used in labeling coordinates of a point on the earth's surface and in expressing the position or location of such point relative to the origin of the appropriate zone of this system, expressed in meters and decimals of a meter. These coordinates shall be made to depend upon and conform to the coordinates, on the Washington coordinate system of 1983, of the horizontal control stations of the national geodetic survey within the state of Washington, as those coordinates have been determined, accepted, or adjusted by the survey.))~~ (1) The plane coordinates of a point on the earth's surface, to be used in expressing the position or location of the point in the appropriate zone of the WPCS, shall consist of two distances, expressed in feet and decimals of a foot or meters and decimals of a meter, along with the metadata of the observations used to determine the coordinates. One of these distances, to be known as the "East x-coordinate," shall give the distance east of the Y axis; the other, to be known as the "North y-coordinate," shall give the distance north of the X axis. The Y axis of any zone shall be parallel with the central meridian of that zone. The X axis of any zone shall be at right angles to the central meridian of that zone.

(2) Height is the coordinate value of the vertical elements of the NSRS expressed as feet or meters, and identified as ellipsoid height or orthometric height.

**Sec. 6.** RCW 58.20.160 and 1989 c 54 s 14 are each amended to read as follows:

When any tract of land to be defined by a single description extends from one ~~((into the other of the north or south))~~

coordinate zone (~~(s under RCW 58.20.130)~~) into other zones, the positions of all points on its boundaries (~~(may)~~) must be referred to (~~(either)~~) only one of the zones, the zone which is used being specifically named in the description along with the metadata of the observations.

**Sec. 7.** RCW 58.20.170 and 1989 c 54 s 15 are each amended to read as follows:

The official geodetic datums to which geodetic coordinates, including, but not limited to, latitude, longitude, ellipsoid height, orthometric height, or dynamic height, are referenced within the state of Washington shall be as defined for the NSRS, or its successor.

~~((For purposes of more precisely defining the Washington coordinate system of 1983, the following definition by the national geodetic survey is adopted:~~

~~The Washington coordinate system of 1983, north zone, is a Lambert conformal conic projection of the GRS 80 spheroid, having standard parallels at north latitudes 47° 30' and 48° 44', along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 50' west of Greenwich and the parallel 47° 00' north latitude. This origin is given the coordinates: E = 500,000 meters and N = 0 meters.~~

~~The Washington coordinate system of 1983, south zone, is a Lambert conformal conic projection of the GRS 80 spheroid, having standard parallels at north latitudes 45° 50' and 47° 20', along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 120° 30' west of Greenwich and the parallel 45° 20' north latitude. This~~

~~origin is given the coordinates: E = 500,000 meters and N = 0 meters.))~~

**Sec. 8.** RCW 58.20.180 and 1989 c 54 s 16 are each amended to read as follows:

Coordinates based on the Washington plane coordinate system ~~((of 1983))~~, purporting to define the position of a point on a land boundary, may be presented to be recorded in any public land records or deed records. ~~((if the survey method used for the determination of these coordinates is established in conformity with standards and specifications prescribed by the interagency federal geodetic control committee, or its successor. These surveys shall be connected to monumented control stations that are adjusted to and published in the national network of geodetic control by the national geodetic survey and such connected horizontal control stations))~~ The method and source of the coordinates shall be described in the land or deed record. ~~((Standards and specifications of the committee in force on the date of the survey shall apply.))~~ In all instances where reference has been made to such coordinates in land surveys or deeds, the ~~((scale and sea level))~~ combined factors shall be stated for the survey lines used in computing ground distances and areas, along with the metadata of the observations.

~~((The position of the Washington coordinate system of 1983 shall be marked on the ground by horizontal geodetic control stations which have been established in conformity with the survey standards adopted by the committee and whose geodetic positions have been rigorously adjusted on the North American datum of 1983, and whose coordinates have been computed and published on the system defined in RCW 58.20.110 through~~

~~58.20.220 and 58.20.901. Any such control station may be used to establish a survey connection with the Washington coordinate system of 1983.))~~

**Sec. 9.** RCW 58.20.190 and 1989 c 54 s 17 are each amended to read as follows:

~~((Any conversion of coordinates between the meter and the United States survey foot shall be based upon the length of the meter being equal to exactly 39.37 inches.))~~ When the values are expressed in feet, one foot = 0.3048 meters, shall be used as the standard foot for WPCS.

**Sec. 10.** RCW 58.20.200 and 1989 c 54 s 18 are each amended to read as follows:

The use of the term "Washington plane coordinate system (~~(of 1983))~~" on any map, report of survey, or other document, shall be limited to coordinates based on the Washington plane coordinate system (~~(of 1983))~~ as defined in this chapter.

**Sec. 11.** RCW 58.20.210 and 1989 c 54 s 19 are each amended to read as follows:

Whenever coordinates based on the Washington plane coordinate system (~~(of 1983))~~ are used to describe any tract of land which in the same document is also described by reference to any subdivision, line or corner of the United States public land surveys, the description by coordinates shall be construed as supplemental to the basic description of such subdivision, line, or corner contained in the official plats and field notes filed of record, and in the event of any conflict the description by reference to the subdivision, line, or corner of

the United States public land surveys shall prevail over the description by coordinates.

**Sec. 12.** RCW 58.20.220 and 1989 c 54 s 20 are each amended to read as follows:

Nothing contained in this chapter shall require any purchaser or mortgagee to rely on a description, any part of which depends exclusively upon the Washington plane coordinate system (~~(of 1927 or 1983)~~).

NEW SECTION. **Sec. 13.** A new section is added to chapter 58.20 RCW to read as follows:

The provisions of this chapter shall not be construed to prohibit the appropriate use of other datums, other geodetic reference networks or systems, or other plane coordinate systems. Any other such datums, networks, or systems used must comply fully with aforementioned requirements for the Washington plane coordinate system. This includes, but is not limited to, the source of the datum, network, or system; metadata of the observations; and combined factors applied to land boundary lines used in land surveys or deeds to compute ground distances or areas.

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