

Merrill, Hannah

From: john richmond [watermaps@hotmail.com]
Sent: Friday, January 18, 2013 1:54 PM
To: zSMP
Cc: Rod Fleck
Subject: RE: Shoreline Master Program

Ms Hanna Merrill,

As far as I can determine, my comment applies to most, if not all, of the recent downloadable "SMP Shoreline Environmental Designation Maps 2012" for Clallam County. The bearings of the section lines appear to be rotated clockwise between 2 and 3 degrees from the "true north" of their original establishment, per the now required recorded property surveys .

The borders of the page are fairly near true north-south and east-west. It is the depiction of the section- and parcel-lines which look strange to the user unaware of the reason.

(The original General Land Office surveys in the 1890's established the east line of certain townships at true north, determined from solar observations. The State Plane Projection is a method which defines a better calculation of distances and areas, but results in skewing the line direction in varying amounts across the county, making Neah Bay appear "further north" than customary)

An explanation for the reference for the direction of the lines as shown should be simply stated as, "Basis of Bearing: Washington State Plane Coordinate (or grid) Projection, North Zone".

Since all survey records not actually tied with GPS observations need to be "rubber-sheeted" to make a fit to a map, there is no point in specifying an exact amount of rotation, which varies constantly across the map. (A radial line could be drawn on the compass rose in the legend, depicting the rotation for the center of the map could be done by a simple push of a button with modern GIS software)

Most hand-held recreation GPS units cannot display state plane coordinates for navigation.

Please let me know if you have any further questions in this regard.

John Richmond

> Subject: RE: Shoreline Master Program
> Date: Fri, 18 Jan 2013 10:39:04 -0800
> From: smp@co.clallam.wa.us
> To: watermaps@hotmail.com
>
> Hi John,
>
> Which map are you referring to?
>
> Hannah Merrill, Clallam County
> DCD Natural Resources Planner
> 360-417-2563
>
> -----Original Message-----
> From: John Richmond [mailto:John.Richmond@clallam.wa.gov]
> Sent: Friday, January 11, 2013 8:36 PM
> To: zSMP
> Subject: Shoreline Master Program

>
>
> To: SMP@co.clallam.wa.us
> _____
>
> This message was sent via the Clallam Website Email Form 01-11-2013.
> _____
>
> Name: John Richmond, RLS 22348
>
> Email: watermaps@hotmail.com
>
> Subject: Shoreline Master Program
>
> Comments: The compass rose with the north arrow depicted in the
> legend does not line up with the major map. What is your reference
> bearing and where is it shown?
>
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