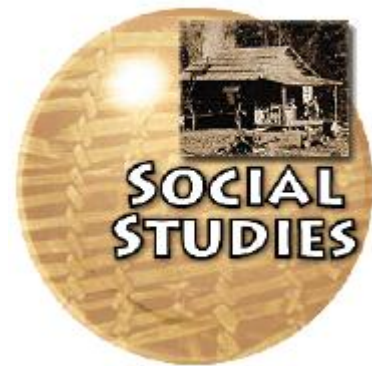


## LESSON 2 - NEIGHBORS ALONG THE ELWHA RIVER



### ESSENTIAL QUESTION

What combination of factors both natural and manmade is necessary for healthy river restoration and how does this enhance the sustainability of natural and human communities?

### GUIDING QUESTION:

Who were the people that homesteaded along the Elwha? How and what can we find out about their lives?

### LESSON OVERVIEW:

After reading an article explaining the use of Township and Range to identify land parcels, students will look at two specific townships along the lower Elwha River. The teacher will assign each student a name to research on the BLM website and find information about homesteads. The student place the homesteader's name on n individual Clallam County map, the teacher and students will fill in a large class map to show all the homesteaders in each section of Township 30N and 31N, Range 7W. Students will write a journal entry on the additional name they selected to research on the website. The paragraph will include who they selected, why they selected that name and what information they found. If they were successful in finding another homesteader the journal entry should include where the homestead was located.

### TIME NEEDED:

One - two 45-50 minute class periods. Part of the assignment could be done as homework.

### MATERIALS:

- Computer access to the internet
- Article: **An Explanation of Township and Range**
- Maps
- **Clallam County Township and Range**
- **Clallam County T30N and R7W Section blank**
- **Clallam County T30N and R7W Section teacher master**
- Graphic Organizer: **"Land Patents"**

- Graphic Organizer “Land Patents” teacher master
- Journal

## PROCEDURES:

1. Have students read the article on the explanation of Township and Range.
2. Assign each student one homesteader name from the teacher’s master list.
  - a. Each student will go into the BLM Land Patent website [www.glorerecords.blm.gov/PatentSearch/](http://www.glorerecords.blm.gov/PatentSearch/) > to gather information about their homesteader to fill in the student graphic organizer. After they have found the information for the assigned names, have a discussion of how other homesteader names may be discovered (from street, creek or river names, historical books, library sources, etc). Have them find one more name to enter into the land patent website (also have them try their own last name or a parent or guardians last name) so they have a total of two names.
3. Have students find the meridian map for Washington.
  - a. (This map shows the Willamette meridian and is only needed for understanding where and how the townships and ranges are referenced.)
4. Have students find maps of Clallam County.
  - a. Use the Clallam County Township and Range Map to find the Townships and Ranges of the areas around Port Angeles. Add the correct Townships and Ranges to the Section Map. Let students explore the maps and discover where the homesteads they researched are located. If students had a homesteader name with more than one land patent have them focus on Township 30N, Range 7W and Township 31N, Range 7W along the lower Elwha River.
5. Print out a large copy of the blank Clallam County T30N and R7W Section map
6. On the blank section map of homesteads along the Elwha River, write the names of their homesteaders and the year the patent was issued. (In a future lesson, section 15, the Thomas Aldwell homestead on the Elwha River will be where the Elwha River Dam is located.) If you assigned all the names, the map will be filled in with most of the homesteaders along the lower Elwha River from 1890 to 1910.
7. Conclude with a discussion of what other homesteaders the students discovered using the other names not assigned and discover if anyone in the class has a homesteading history. Assign a journal entry to include information about the additional name the student researched. The entry should include where the homestead is located (township, range and section), how the parcel was purchased (authority) and the issue date.

## ASSESSMENTS:

- Completion of graphic organizer with all information about the assigned homesteader and one additional name.
- The records from the BLM site are used by researchers today to find family information and real estate information. Students may also write in their journals about the additional information they found.
- Completion of section map (keep for future lessons).

## ADDITIONAL RESOURCES AND ENRICHMENT:

- Use the BLM website to discover how many times one section of land may have been abandoned, sold, or split into smaller lots. For example, section 16 of T30N, R7W was homesteaded by John R. Grant and William E. Grant in 1899, then in 1972 it changed over to Washington State under the State Grant School Section Patent of June 21, 1934.
- Use Google Earth to locate the homestead section. Students will be able to see what the land looks like today

## WASHINGTON STATE STANDARDS:

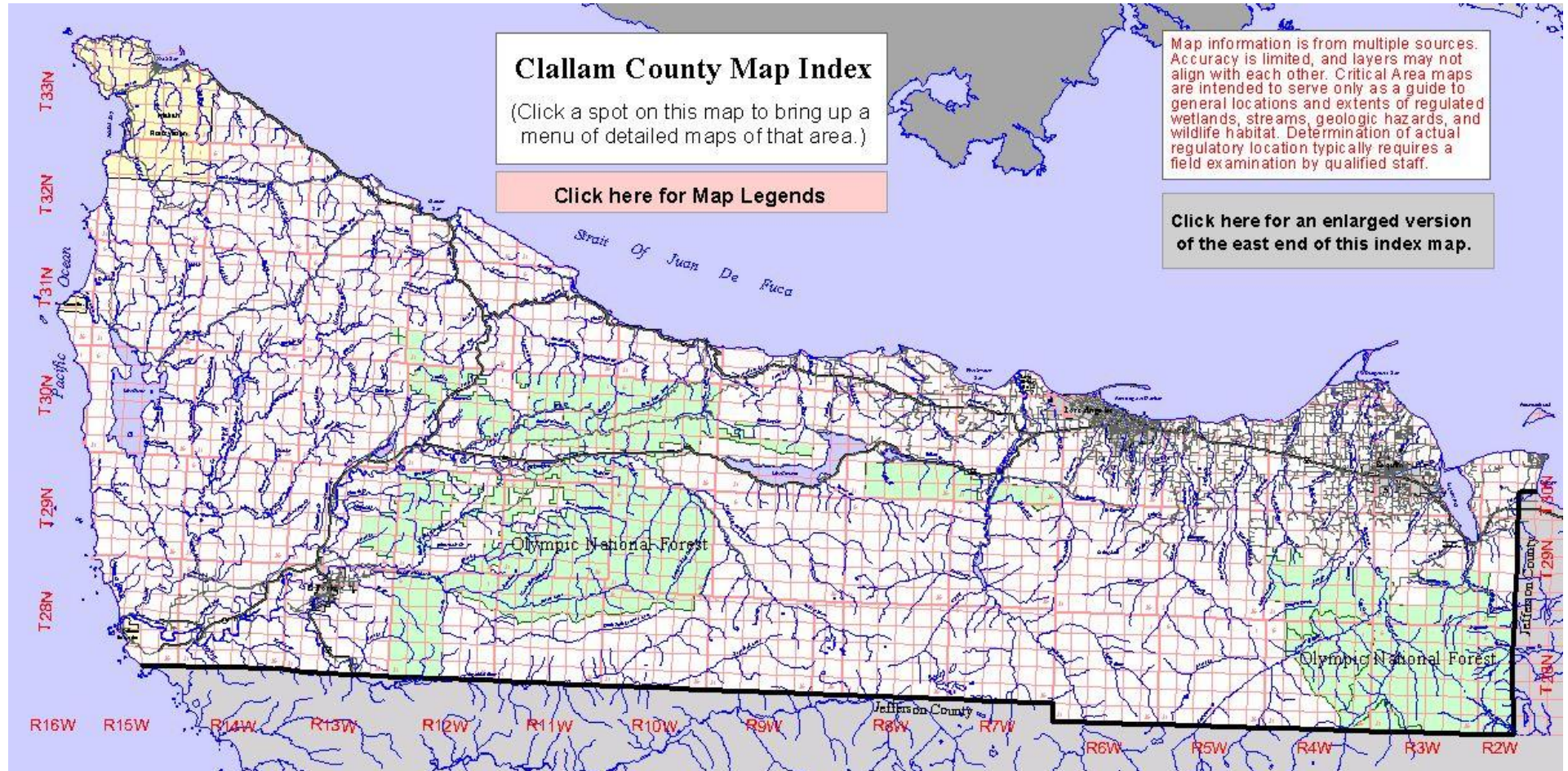
### SOCIAL STUDIES:

1. **EALR 1: CIVICS** - The student understands and applies knowledge of government, law, politics, and the nation's fundamental documents to make decisions about local, national, and international issues and to demonstrate thoughtful, participatory citizenship.
  - a. **Component 1.2:** Understands the purposes, organization, and function of governments, laws, and political systems.

## VOCABULARY:

- **Aliquot:** an equally divided part. A section could be divided into fourths, then the fourth was divided again into fourths until less than an acre became a lot.
- **Base Line:** The horizontal line where the survey began.
- **Meridian:** The vertical line where the survey began. Washington and Oregon are on the Willamette Meridian.
- **Range:** The measure of township squares east or west of the meridian.
- **Section:** A square mile numbered between 1 and 36 containing 640 acres.
- **Township:** A six by six mile square containing 23,040 acres divided into 36 sections. Also used for the measure of township squares north or south of the base line.

# CLALLAM COUNTY TOWNSHIP AND RANGE MAP



## Clallam County Map Index

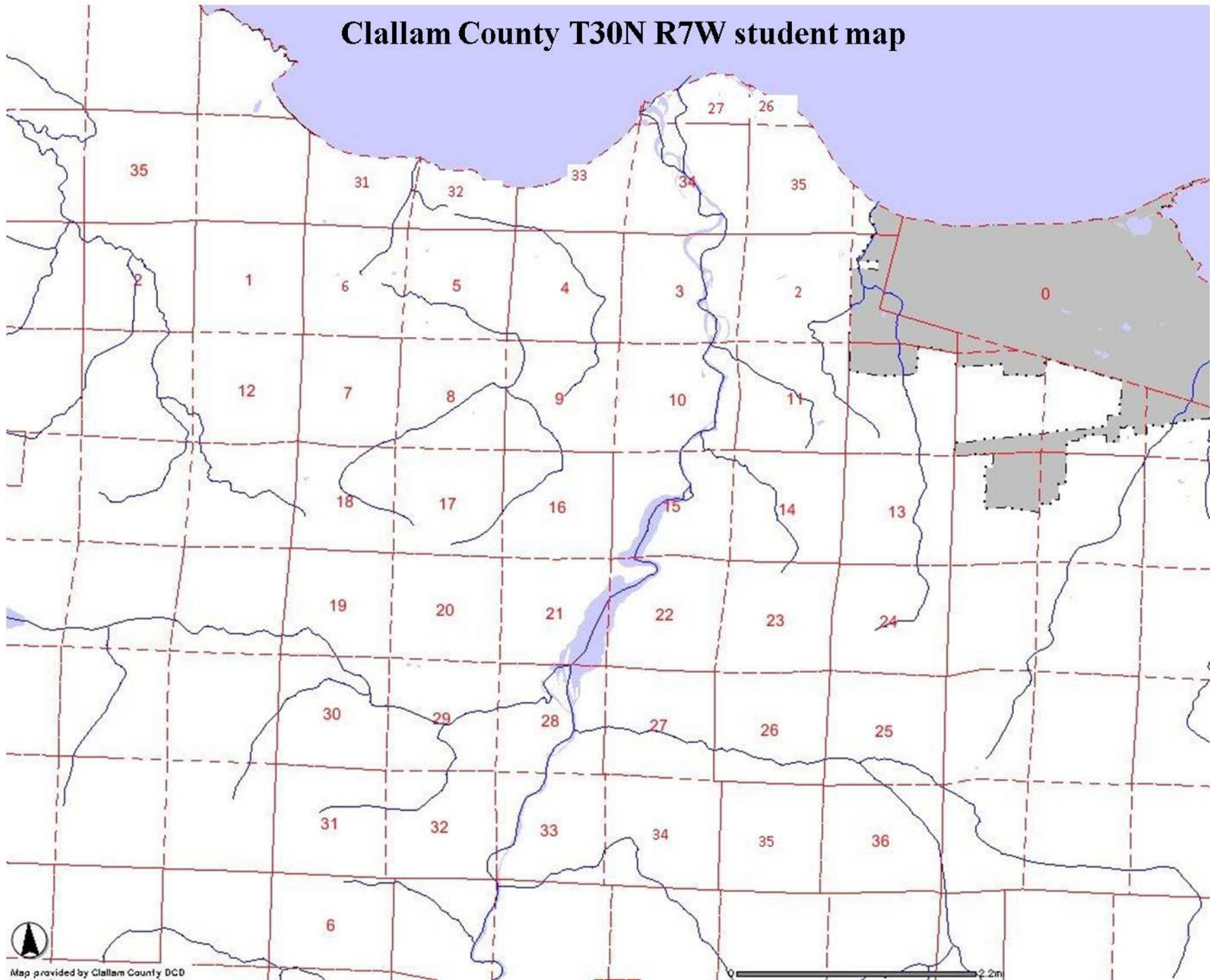
(Click a spot on this map to bring up a menu of detailed maps of that area.)

[Click here for Map Legends](#)

Map information is from multiple sources. Accuracy is limited, and layers may not align with each other. Critical Area maps are intended to serve only as a guide to general locations and extents of regulated wetlands, streams, geologic hazards, and wildlife habitat. Determination of actual regulatory location typically requires a field examination by qualified staff.

[Click here for an enlarged version of the east end of this index map.](#)

# Clallam County T30N R7W student map

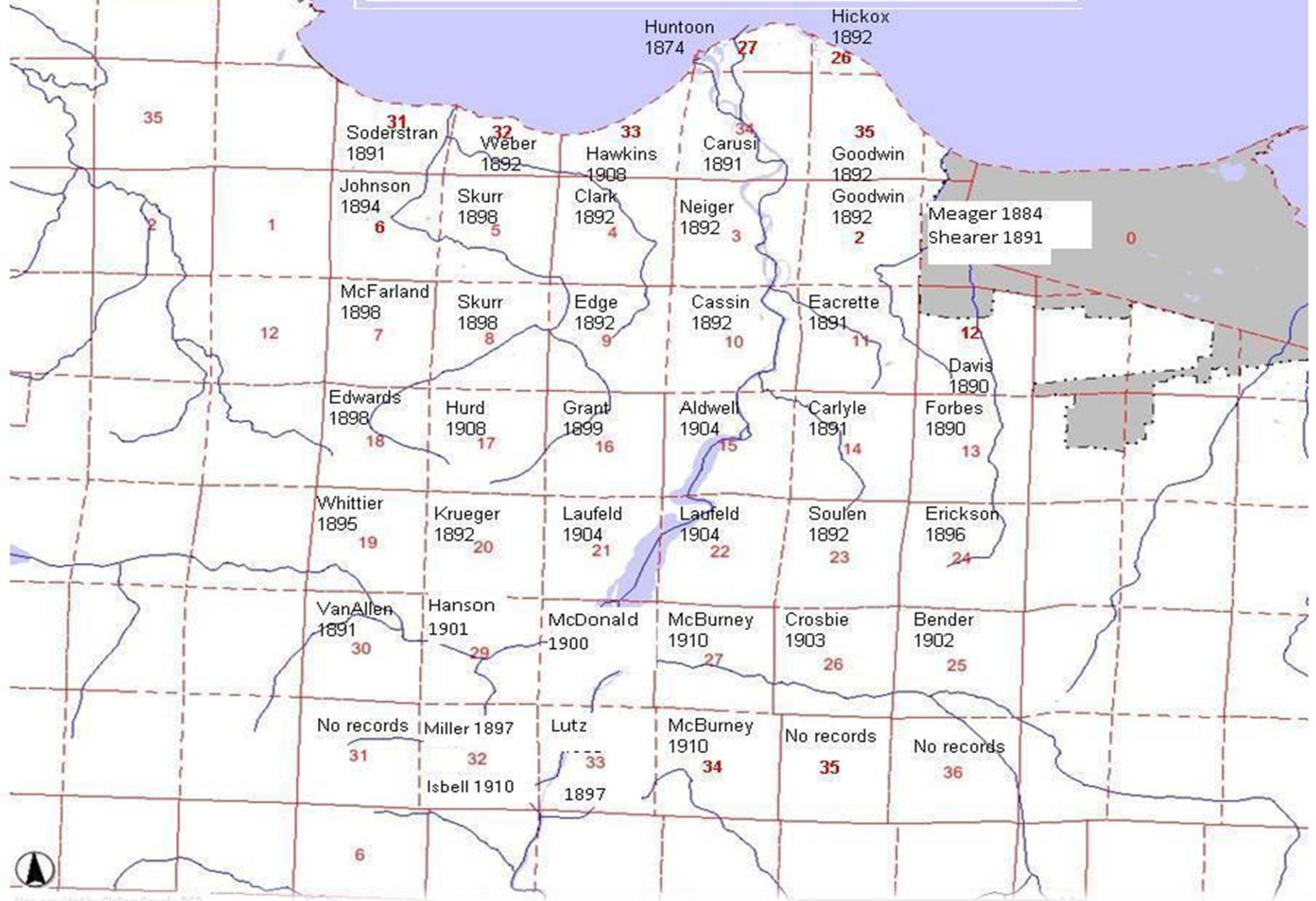


Map provided by Clallam County DCD

0 2.2m

TeacherMaster

### Clallam County T30N R7W Section Map teacher master









Fill in the graphic organizer from the information found at <a href="http://www.glorerecords.blm.gov/PatentSearch/">www.glorerecords.blm.gov/PatentSearch/</a>				Land Patent Graphic Organizer			Name	
1. Enter the name (last name first) into column A, record all entries for Clallam County,								
2. Use the Patent Description tab to find information for columns B, C, & D,								
3. Use the Legal Land Description tab for information for columns E, F, G, H, & I								
A	B	C	D	E	F	G	H	I
Name	Acres	Issue Date	Authority	Sec/ Block	Town- ship	Range	Remarks or Aliquot	Meridian
*Aldwell, Thomas	174.59	6/11/1895	cash entry	15	30-N	7-W	*Lot 2 or SENW Quarter	Willamette
Bender, Albert C.	160	9/26/1902	homestead entry	25	30-N	7-W	SW	Willamette
Carlyle, Frank	160	11/23/1891	cash entry	14	30-N	7-W	S 1/2 SE W1/2NE	Willamette
Carusi, Samuel P.	160	11/16/1891	cash entry	34	31-N	7-W	NESE W1/2SW SWNW	Willamette
Cassin, Patrick	160	8/8/1892	cash entry	10	30-N	7-W	SW	Willamette
Clark, James	160	4/16/1892	cash entry	4	30-N	7-W	S1/2SE SESW NESE	Willamette

Crosbie, Francis	160	7/31/1903	Homestead entry	26	30-N	7-W	S1/2NW N1/2SW	Willamette
Davis, John C.	160	6/28/1890	homestead entry	12	30-N	7-W	S1/2SW N1/2NW	Willamette
Eacrett, Richard Jr.	160	11/23/1891	cash entry	11	30-N	7-W	S1/2SW N1/2NW	Willamette
Edge, Joseph	160	8/8/1892	cash entry	9	30-N	7-W	N1/2SE SENE NESW	Willamette
Edwards, Thomas	160	6/27/1898	homestead entry	18	30-N	7-W	Lot 3 NWSE Quarter	Willamette
Erickson, Otto E.	160	3/16/1896	homestead entry	24	30-N	7-W	NW	Willamette
Forbes, Andrew	160	5/3/1890	cash entry	13	30-N	7-W	NW	Willamette
Goodwin, Sarah	160.2	2/8/1892	cash entry	35	31-N	7-W	Lot 3 or NENW Quarter	Willamette
Grant, John R.	160	5/31/1899	homestead entry	16	30-N	7-W	W1/2SE SWNE SESE	Willamette
Grant, William E.	160	5/31/1899	homestead entry	16	30-N	7-W	N1/2NE SENE NWSE	Willamette
Hansen, Henrick S.	160	4/22/1901	homestead entry	29	30-N	7-W	NWNW N1/2NE SWNE	Willamette
Hawkins, Christina	63.3	9/28/1908	cash entry	33	31-N	7-W	Lot 4 or NWSW Quarter	Willamette
Hickox, Elihu	149.4	1/30/1892	cash entry	26	31-N	7-W	lot 1, lot 1, lot 2	Willamette
Huntoon, Marcellus	29.92	2/25/1874	cash entry	27	31-N	7-W	lot 1, lot 2	Willamette
Hurd, George W.	160	10/12/1908	cash entry	17	30-N	7-W	W1/2w NESE SENE	Willamette
Isbell, Edwin H.	118.08	5/9/1910	homestead entry	32	30-N	7-W	Lot 3 or SENW Q, Lot 4 or NESW Q	Willamette
Krueger, Charles A.	160	4/9/1892	cash entry	20	30-N	7-W	SE	Willamette

Fill in the graphic organizer from the information found at <a href="http://www.glorerecords.blm.gov/PatentSearch/">www.glorerecords.blm.gov/PatentSearch/</a>			Land Patent Graphic Organizer				Name	
1. Enter the name (last name first) into column A, record all entries for Clallam County,								
2. Use the Patent Description tab to find information for columns B, C, & D,								
3. Use the Legal Land Description tab for information for columns E, F, G, H, & I								
A	B	C	D	E	F	G	H	I
Name	Acres	Issue Date	Authority	Sec/ Block	Town- ship	Range	Remarks or Aliquot	Meridian
Laufeld, Paul	160	3/1/1904	homestead entry	21	30-N	7-W	E1/2SE	Willamette
Lutz, Fred	160	5/25/1897	homestead entry	33	30-N	7-W	W1/2NW	Willamette
McBurney, Leone G.	158.72	9/6/1910	homestead entry	27,34	30-N	7-W	NESE	Willamette
McDonald, William Dynstane	160	12/17/1900	homestead entry	28	30-N	7-W	SE	Willamette
McFarland, Chesley	160	8/5/1898	homestead entry	7	30-N	7-W	NENE	Willamette

