

**STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM**
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 1/27/00
Site Identifier: S-329R-08	WRIA: 20.0334F (P)
River Mile Location: 7.38	RB/LB: RB
Local Name: Unnamed	Trib. to: 20.0329 (Bear Cr)
Legal Description: NE¼ Sec17 T30N R11W	County: Clallam
Habitat Type: Valley wall tributary	
Landowner: (X) Federal () State () County () Other Government () Private - National Forest, USFS	

Directions to site:

Starting at Forks (Tillicum Park), drive north on Highway 101 for 16.3 miles (mp 208) to West Twin Road (FS 30 Road). Take a left on this road and follow for 4.4 miles. This dual culvert crossing is S-329R-08.

Site Overview:

This is a variable gradient channel that flows through a mix of conditions. The lower reach to the power lines is ~ 2% gradient with minor amounts of woody debris. There is an alder/brush canopy and some areas of gravel. The lowest reach of the channel downstream of the road is down cutting. Upstream of the power lines, the channel becomes incised and steadily increases in gradient. Pools have formed due to old large woody debris that appears to have sloughed off the steep slopes. Alder and brush are dominant but there are conifers on the steep side slopes. Bedrock becomes prominent in the upper reach and the survey ended at a series of large bedrock falls. The physical characteristics of this stream are more conducive to resident trout if flows are not limiting.

Habitat Information:

Water source: Springs and surface runoff

Intermittent/year-around:
- Intermittent

Estimated flows (cfs): 0.75

Water temperatures: 5.5° C

Adjacent stream temperature: 5.5° C (20.0329)

Other water observations:

- On 4/5/00 (dry spring) there was no flow immediately upstream of the culverts. Water was perking off the road fill area and watered the downstream channel.

Site area measurements: Indirect Direct Combination

Widths: Channel- 1 m - 2.5 m Ponds- NA Wetlands- NA

Depths: Channel- 8 cm - 30 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 350 m (did not survey upstream of falls)

Total existing habitat area (est.): 600 m²

Spawning area: 250 m²

Impounded area: 0 m²

Other rearing area: 350 m²

Spawning Habitat conditions: None Poor Fair Good Excellent

Describe spawning habitat:

- Downstream of the road, there are some limited spawning areas.
- Gravel is in smaller patches upstream of the road.
- Small areas of gravel are more conducive to resident trout.
- There is a high silt and bedrock component to this channel.

Rearing habitat conditions: None Poor Fair Good Excellent

Describe pond and other rearing habitat:

- Downstream of the road, the channel is down cutting - there is very little woody debris.
- Overhang and brush provides cover in the various reaches. Alder is the prominent canopy.
- Upstream of the power lines, large woody debris provides numerous pools and cover.
- There are conifers on the steep side slopes in the upper reach.
- The gradient maintains ~ 2% to the power lines. It then becomes increasingly steep to the bedrock falls.
- This channel is more characteristically a cutthroat stream.

Describe unaccessible habitat:

- The culverts on the FS 30 Road are barriers to migration.
- Upstream of the falls, the channel gradient appears to maintain > 20%.

Describe wetland: Bog Marsh Scrub-shrub Wetland Forested Wetland

Flooding potential: Low Medium High

- This channel appears to have flashing flows.

Fish Information:

Site entry condition to (20.0329): Poor Fair Good

- There is open egress into Bear Creek.

Coho access and use:

Juvenile- Unknown None Poor Fair Good

Adult- Unknown None Poor Fair Good

Other species access and use: Chum Pink Sockeye Chinook Trout

- Resident trout probably utilize this channel if flows are not limiting.

Habitat Improvements:

Enhancement opportunities:

- Culverts on the FS 30 Road is impassable.

Additional Comments:

Attachments Available:

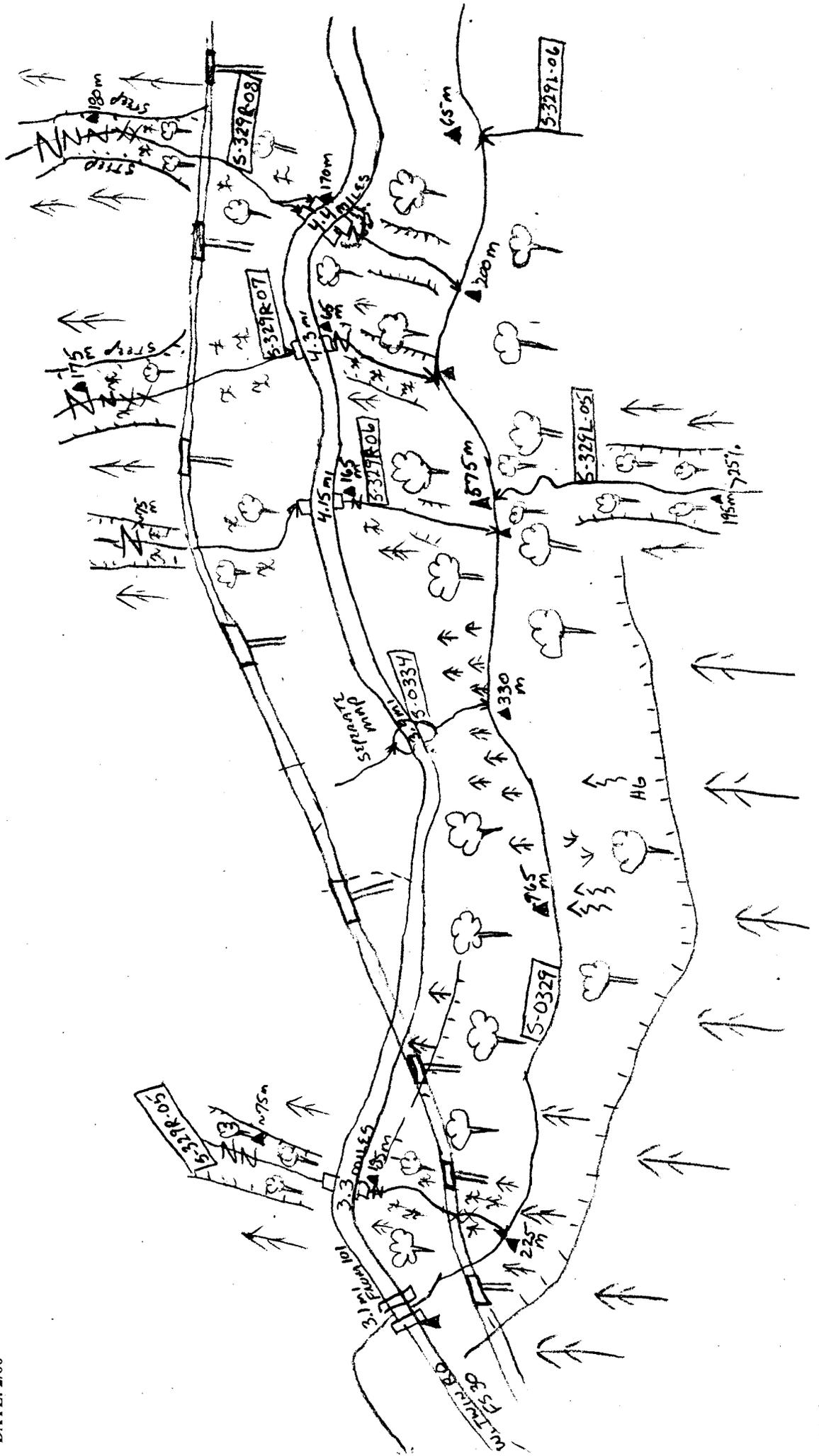
Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|--|--|--|--|
| <input checked="" type="checkbox"/> Aerials | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps | <input checked="" type="checkbox"/> Culvert Report |
| <input checked="" type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys | <input type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

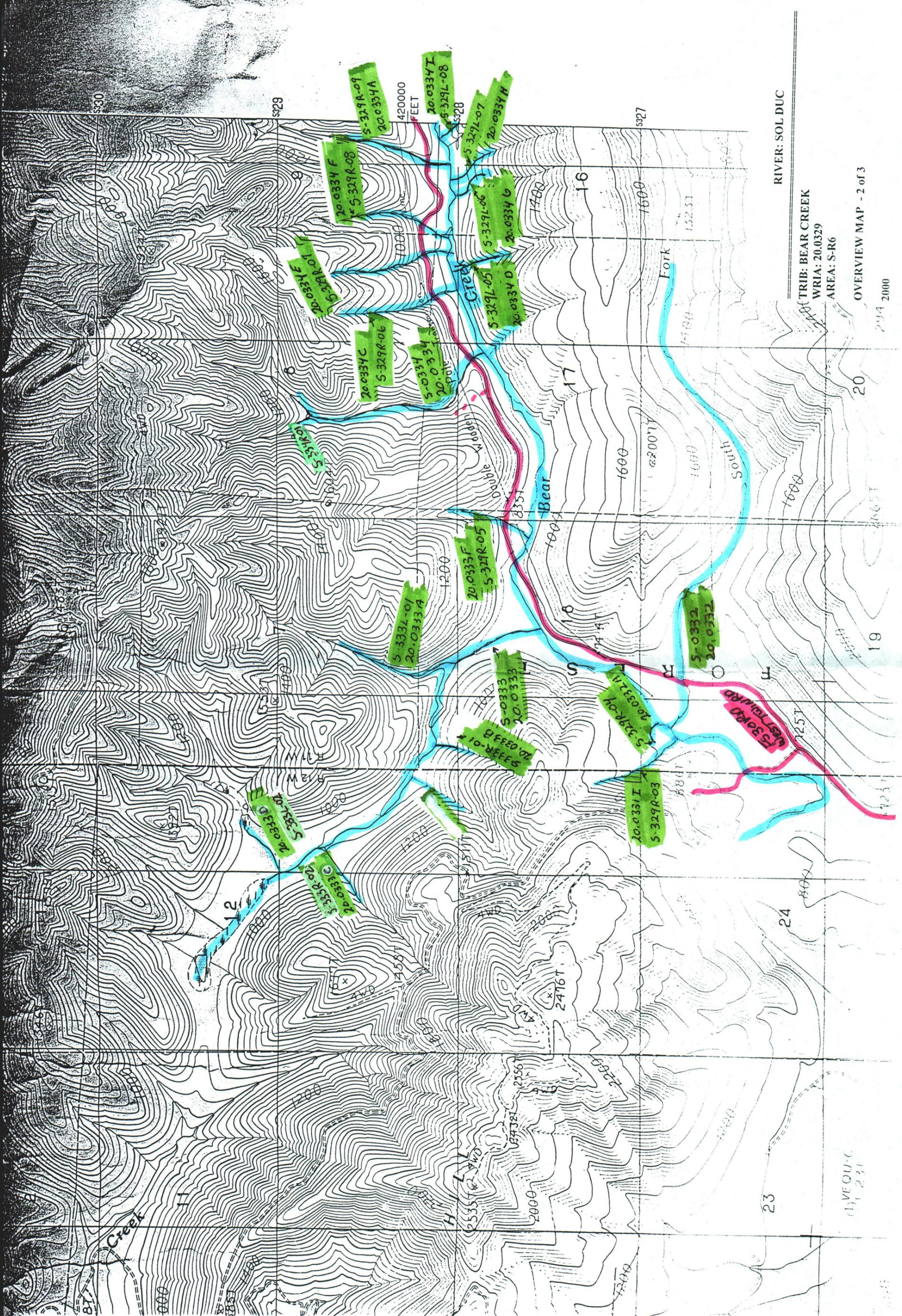
RIVER: SOL DUC

TRIB: Bear Creek - 20.0329 (10 of 15)
AREA: S-R6
SITE: S-0329, S-329R-05, S-329R-06, S-329L-05, S-329R-07, S-329R-08
WRIA: 20.0329, 20.0333F, 20.0334C, 20.0334D, 20.0334E, 20.0334F
NAMES: Bear Cr (RM 5.97 - RM 7.42), Red Rock Cr, Unnamed, Unnamed, Unnamed, Unnamed

DATE: 2/00



16.3 miles east on Hwy 101 to mp 208.



RIVER: SOL DUC

TRIB: BEAR CREEK
 WRIA: 20.0329
 AREA: S-R6

OVERVIEW MAP - 2 of 3

2000

Ransro 2/02

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 S-329L-08

20.0334 F
 S-329R-08

20.0334 E
 S-329L-07

20.0334 C
 S-329R-06

20.0334 D
 S-329L-06

20.0333 F
 S-329R-05

20.0333 B
 S-329R-04

20.0333 I
 S-329R-03

20.0332 I
 S-329R-03

20.0332
 S-329R-03

20.0330
 S-329R-02

20.0330
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S29

S27

S30

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2560T

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2568T

2572T

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2600T

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