

TOWLANE CHARTS



CAPE FLATTERY TO SAN FRANCISCO

a place

to tow /

a place

to fish

Year

2008

Edition



CRABBER/TOWBOAT LANE NEGOTIATIONS

A 35-YEAR SUCCESS STORY

Conflicts between ocean-going tugs and commercial crab gear caused severe problems along the Washington, Oregon and California coasts in the early 1970s. Crab pots were fouling tugs and barges as they moved between ports, and the loss of crab gear was a severe economic problem for fishers.

Through efforts by Sea Grant programs on the West coast, an agreement was reached between fishers and tug operators on areas where crab gear would not be set, providing lanes for tug and barge traffic. During its 30-year existence, the Crabber/Towboat Lane Negotiation Project has saved millions of dollars in gear and vessel repair costs for both user groups.

Washington Sea Grant Program took the lead in this voluntary industry program in 1997, working with West Coast commercial crab fishers and towboat operators to continue this critical effort. The 2008 edition of the Towlane Charts is a result of discussions and final agreements between the two groups over a twelve-month period. Changes in the towlanes have been made only in the Columbia River area of northern Oregon, and southern Washington. All other lane designations have remained unchanged from the 2002 edition.

Steve Harbell

Marine Field Agent

Washington Sea Grant

Washington State University Extension



Chart 1: Cape Alava

Rev. 2001

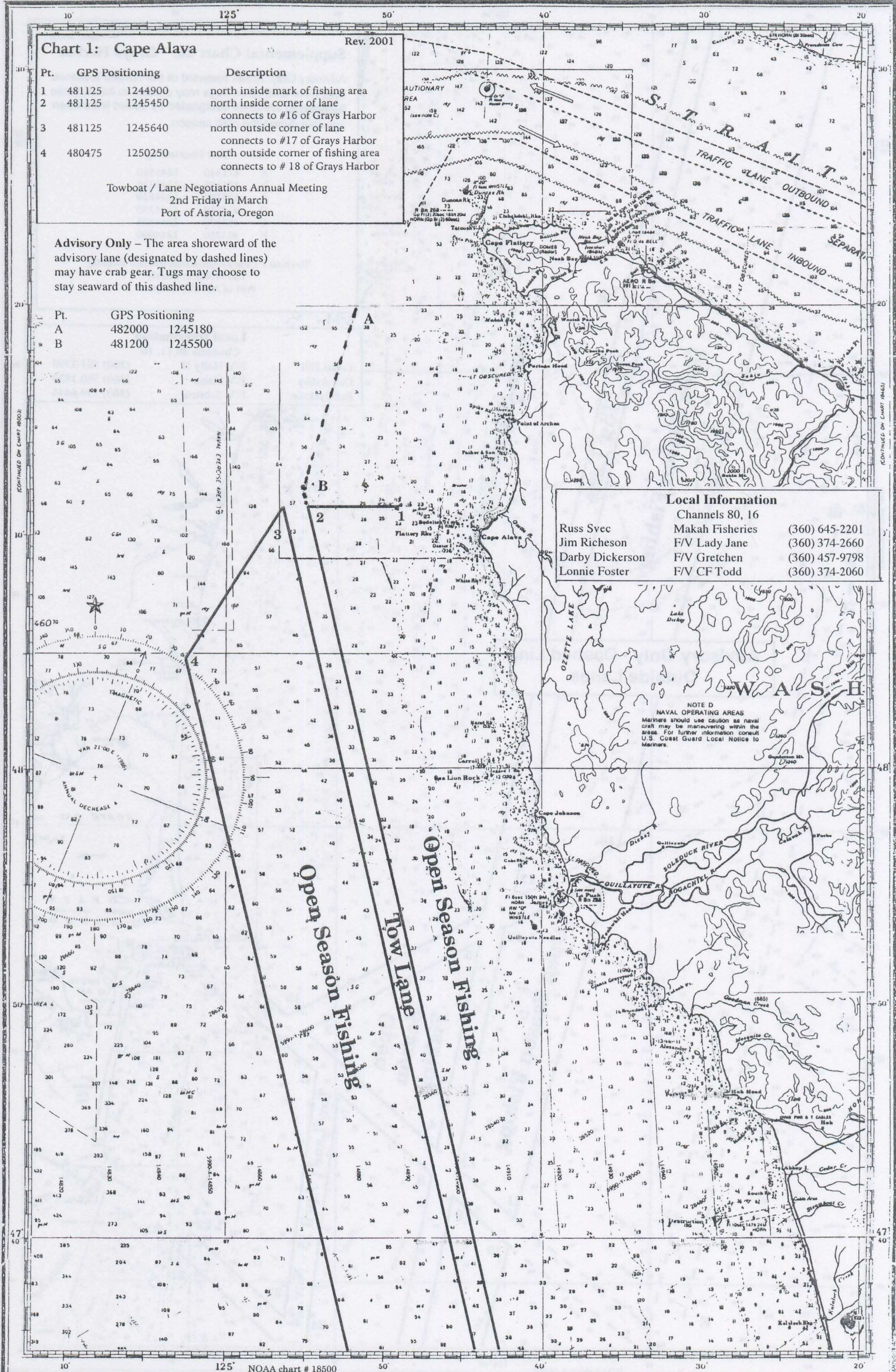
Pt.	GPS Positioning	Description
1	481125 1244900	north inside mark of fishing area
2	481125 1245450	north inside corner of lane connects to #16 of Grays Harbor
3	481125 1245640	north outside corner of lane connects to #17 of Grays Harbor
4	480475 1250250	north outside corner of fishing area connects to # 18 of Grays Harbor

Towboat / Lane Negotiations Annual Meeting
2nd Friday in March
Port of Astoria, Oregon

Advisory Only – The area shoreward of the advisory lane (designated by dashed lines) may have crab gear. Tugs may choose to stay seaward of this dashed line.

Pt.	GPS Positioning
A	482000 1245180
B	481200 1245500

Local Information		
Channels 80, 16		
Russ Svec	Makah Fisheries	(360) 645-2201
Jim Richeson	F/V Lady Jane	(360) 374-2660
Darby Dickerson	F/V Gretchen	(360) 457-9798
Lonnie Foster	F/V CF Todd	(360) 374-2060



Additional Charts may be obtained from
Steve Harbell, Washington Sea Grant
P.O. Box 88, South Bend, WA 98586
(360) 875-9331

Not For Navigation

Rev. 2002

Supplemental Chart 2s: Grays Harbor

Advisory Only: Areas seaward of the outside towlanes may have crab gear. Tugs may choose to follow these suggested towlanes designated by dotted lines when possible during the crab season.

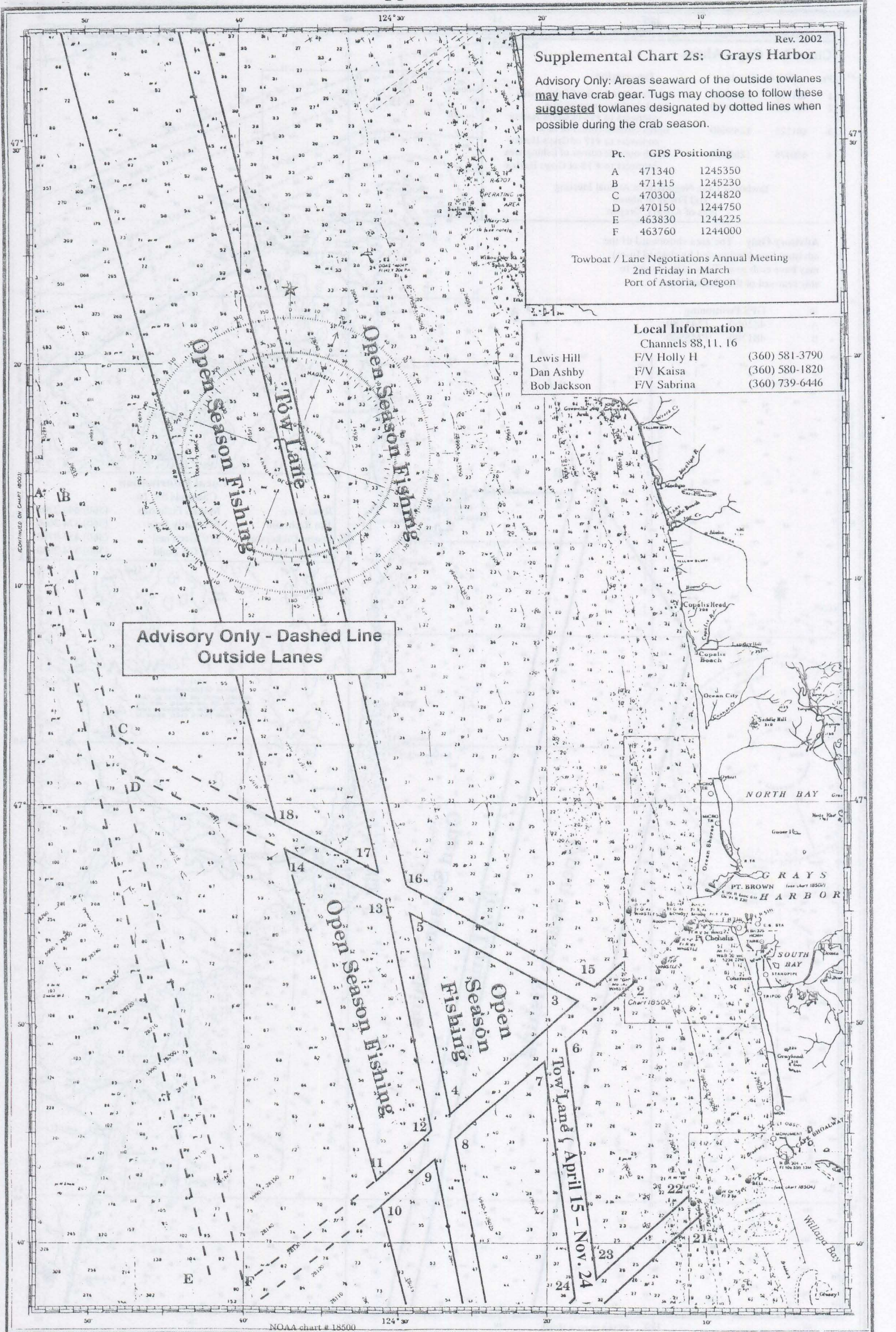
Pt.	GPS Positioning	
A	471340	1245350
B	471415	1245230
C	470300	1244820
D	470150	1244750
E	463830	1244225
F	463760	1244000

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Local Information

	Channels 88, 11, 16	
Lewis Hill	F/V Holly H	(360) 581-3790
Dan Ashby	F/V Kaisa	(360) 580-1820
Bob Jackson	F/V Sabrina	(360) 739-6446

Advisory Only - Dashed Line
Outside Lanes



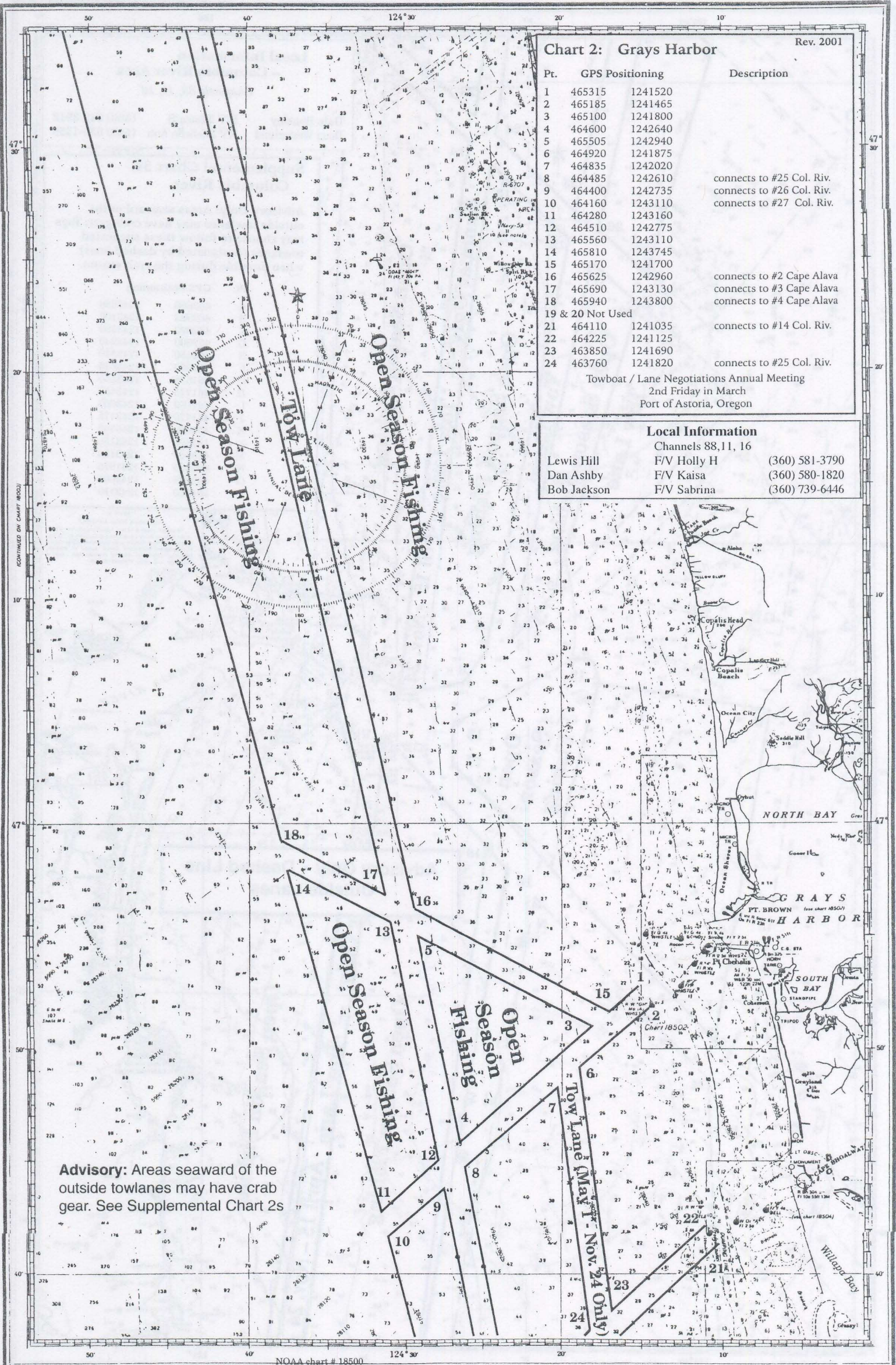


Chart 2: Grays Harbor Rev. 2001

Pt.	GPS Positioning	Description
1	465315 1241520	
2	465185 1241465	
3	465100 1241800	
4	464600 1242640	
5	465505 1242940	
6	464920 1241875	
7	464835 1242020	
8	464485 1242610	connects to #25 Col. Riv.
9	464400 1242735	connects to #26 Col. Riv.
10	464160 1243110	connects to #27 Col. Riv.
11	464280 1243160	
12	464510 1242775	
13	465560 1243110	
14	465810 1243745	
15	465170 1241700	
16	465625 1242960	connects to #2 Cape Alava
17	465690 1243130	connects to #3 Cape Alava
18	465940 1243800	connects to #4 Cape Alava
19 & 20	Not Used	
21	464110 1241035	connects to #14 Col. Riv.
22	464225 1241125	
23	463850 1241690	
24	463760 1241820	connects to #25 Col. Riv.

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Local Information

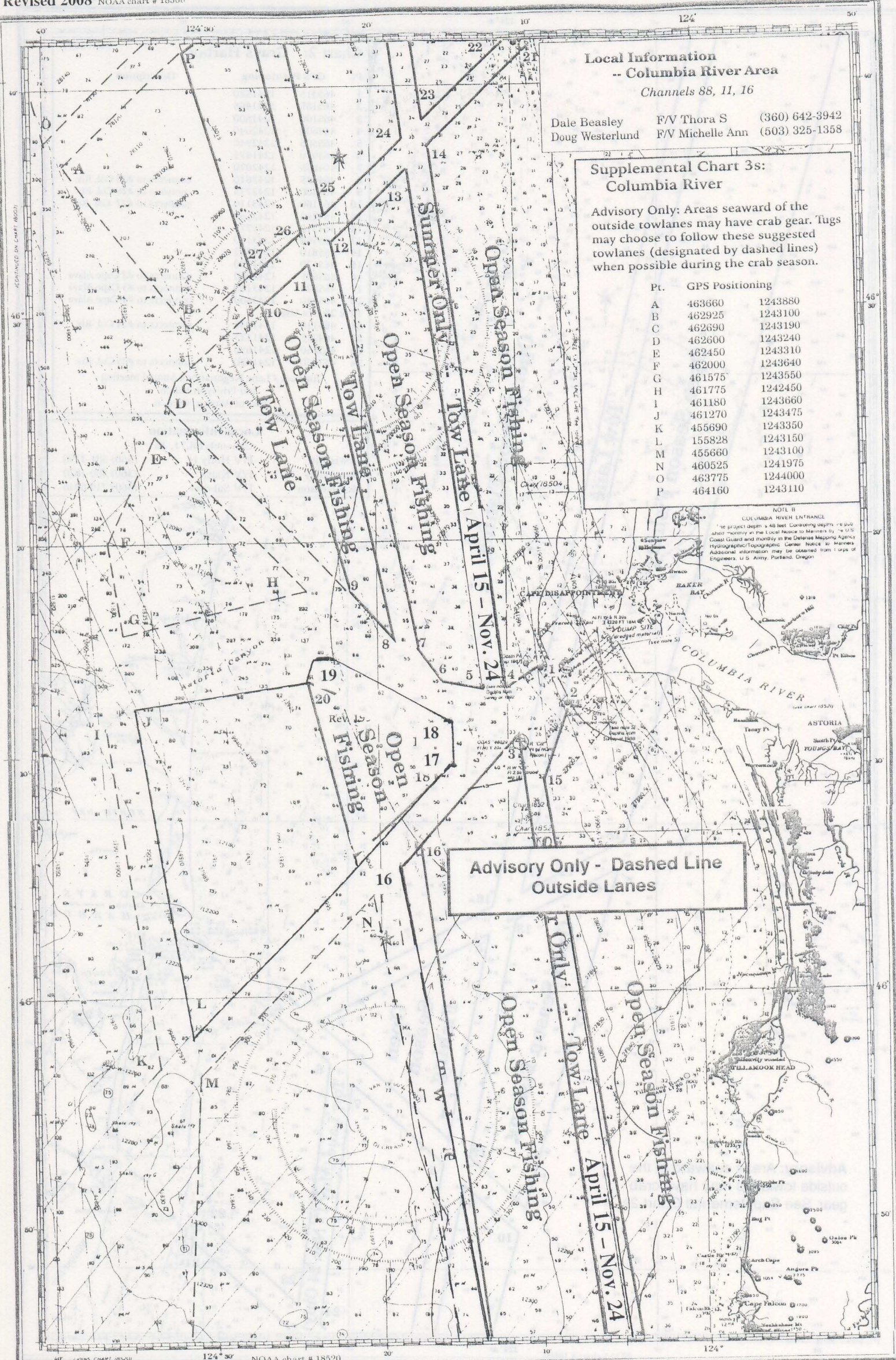
Lewis Hill	Channels 88, 11, 16	
Dan Ashby	F/V Holly H	(360) 581-3790
Bob Jackson	F/V Kaisa	(360) 580-1820
	F/V Sabrina	(360) 739-6446

Advisory: Areas seaward of the outside towlanes may have crab gear. See Supplemental Chart 2s

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(360) 875-9331

Not For Navigation

chart 2 Grays Harbor



Local Information
-- Columbia River Area
 Channels 88, 11, 16

Dale Beasley F/V Thora S (360) 642-3942
 Doug Westerlund F/V Michelle Ann (503) 325-1358

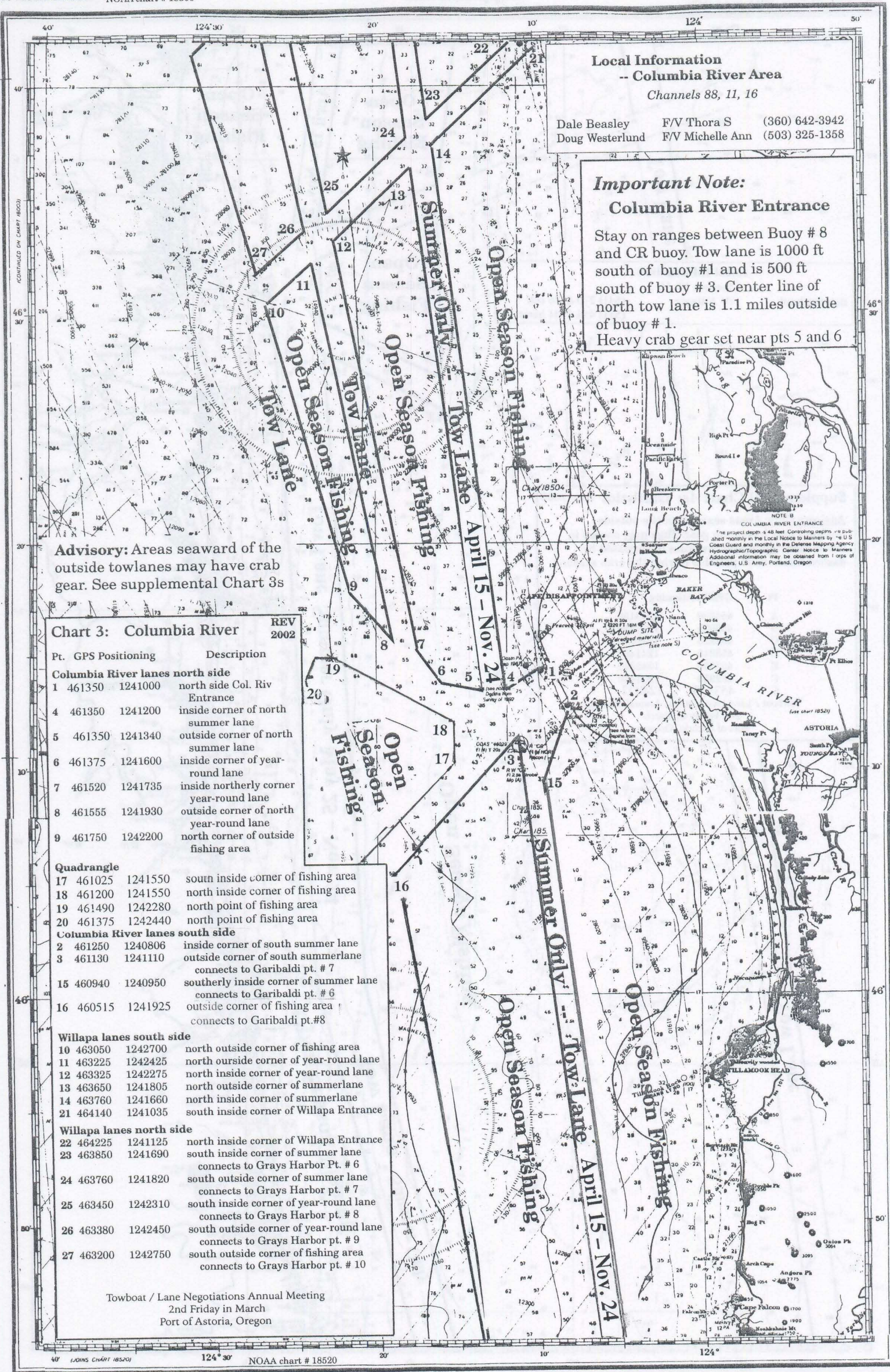
Supplemental Chart 3s:
Columbia River

Advisory Only: Areas seaward of the outside towlanes may have crab gear. Tugs may choose to follow these suggested towlanes (designated by dashed lines) when possible during the crab season.

Pt.	GPS Positioning	
A	463660	1243880
B	462925	1243100
C	462690	1243190
D	462600	1243240
E	462450	1243310
F	462000	1243640
G	461575	1243550
H	461775	1242450
I	461180	1243660
J	461270	1243475
K	455690	1243350
L	155828	1243150
M	455660	1243100
N	460525	1241975
O	463775	1244000
P	464160	1243110

NOTE B
COLUMBIA RIVER ENTRANCE
 The project depth is 48 feet. Controlling depths are provided monthly in the Local Notice to Mariners by the U.S. Coast Guard and monthly in the Defense Mapping Agency Hydrographic/Topographic Center Notice to Mariners. Additional information may be obtained from Corps of Engineers, U.S. Army, Portland, Oregon.

Advisory Only - Dashed Line
Outside Lanes



Local Information
 -- Columbia River Area
 Channels 88, 11, 16

Dale Beasley F/V Thora S (360) 642-3942
 Doug Westerlund F/V Michelle Ann (503) 325-1358

Important Note:
Columbia River Entrance

Stay on ranges between Buoy # 8 and CR buoy. Tow lane is 1000 ft south of buoy #1 and is 500 ft south of buoy # 3. Center line of north tow lane is 1.1 miles outside of buoy # 1.
 Heavy crab gear set near pts 5 and 6

Advisory: Areas seaward of the outside towlanes may have crab gear. See supplemental Chart 3s

Chart 3: Columbia River REV 2002

Pt.	GPS Positioning	Description
Columbia River lanes north side		
1	461350 1241000	north side Col. Riv Entrance
4	461350 1241200	inside corner of north summer lane
5	461350 1241340	outside corner of north summer lane
6	461375 1241600	inside corner of year-round lane
7	461520 1241735	inside northerly corner year-round lane
8	461555 1241930	outside corner of north year-round lane
9	461750 1242200	north corner of outside fishing area

Quadrangle	GPS Positioning	Description
17	461025 1241550	south inside corner of fishing area
18	461200 1241550	north inside corner of fishing area
19	461490 1242280	north point of fishing area
20	461375 1242440	north point of fishing area

Columbia River lanes south side		
2	461250 1240806	inside corner of south summer lane
3	461130 1241110	outside corner of south summerlane connects to Garibaldi pt. # 7
15	460940 1240950	southerly inside corner of summer lane connects to Garibaldi pt. # 6
16	460515 1241925	outside corner of fishing area connects to Garibaldi pt.#8

Willapa lanes south side		
10	463050 1242700	north outside corner of fishing area
11	463225 1242425	north outside corner of year-round lane
12	463325 1242275	north inside corner of year-round lane
13	463650 1241805	north outside corner of summerlane
14	463760 1241660	north inside corner of summerlane
21	464140 1241035	south inside corner of Willapa Entrance

Willapa lanes north side		
22	464225 1241125	north inside corner of Willapa Entrance
23	463850 1241690	south inside corner of summer lane connects to Grays Harbor Pt. # 6
24	463760 1241820	south outside corner of summer lane connects to Grays Harbor pt. # 7
25	463450 1242310	south inside corner of year-round lane connects to Grays Harbor pt. # 8
26	463380 1242450	south outside corner of year-round lane connects to Grays Harbor pt. # 9
27	463200 1242750	south outside corner of fishing area connects to Grays Harbor pt. # 10

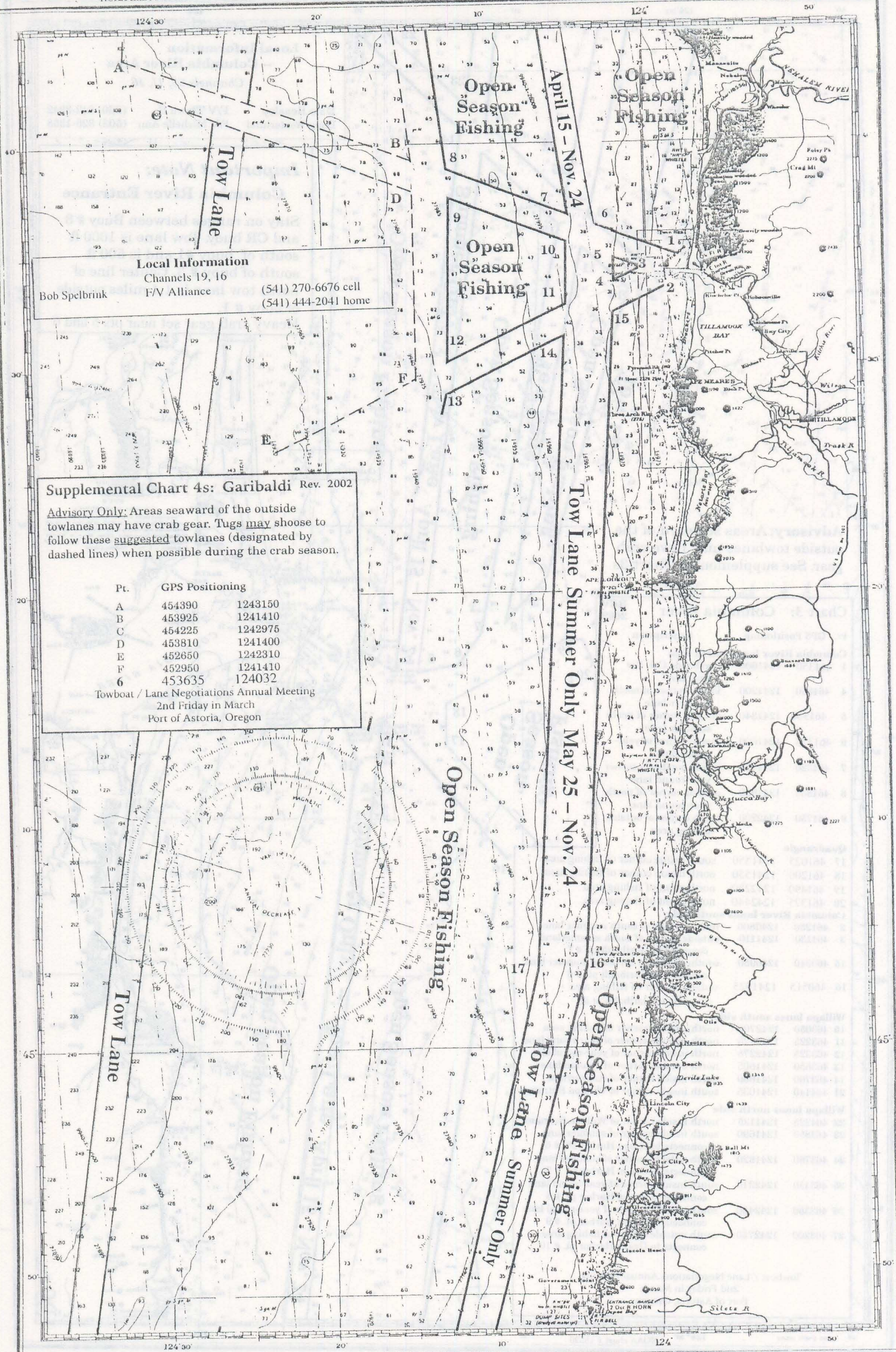
Towboat / Lane Negotiations Annual Meeting
 2nd Friday in March
 Port of Astoria, Oregon

NOAA chart # 18520

Additional Charts may be obtained from Steve Harbell, Washington Sea Grant P.O. Box 88, South Bend, WA 98586 (360) 875-9331

Not For Navigation

chart 3 Columbia River



Local Information
 Channels 19, 16
 Bob Spelbrink F/V Alliance (541) 270-6676 cell
 (541) 444-2041 home

Supplemental Chart 4s: Garibaldi Rev. 2002
 Advisory Only: Areas seaward of the outside towlanes may have crab gear. Tugs may choose to follow these suggested towlanes (designated by dashed lines) when possible during the crab season.

Pt.	GPS Positioning
A	454390 1243150
B	453925 1241410
C	454225 1242975
D	453810 1241400
E	452650 1242310
F	452950 1241410
6	453635 124032

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Chart 4: Garibaldi

Rev. 2001

Pt.	GPS Positioning	Description
1	453475 1235835	N. entrance Tillamook Bay
2	453350 1235875	S. entrance Tillamook Bay
3	453425 1240040	East pt. Tillamook Bay triangle
4	453360 1240230	SW pt. Tillamook Bay triangle
5	453475 1240220	NW pt. Tillamook Bay triangle
6	453635 124032	connects to pt. 15 on chart # 3
7	453675 1240525	connects to pt. 3 on chart # 3
8	453875 1241275	connects to pt. 18 on chart #3
9	453750 1241225	NW corner T. Bay quadrangle
10	453540 1240490	NE corner T. Bay quadrangle
11	453265 1240510	SE corner T. Bay quadrangle
12	453015 1241250	SW corner T. Bay quadrangle
13	452880 1241250	connects to pt. 21 on chart # 5
14	453125 1240520	NE corner outer South Fishing
15	453220 1240230	NW corner inner South Fishing
16	450360 1240450	connects to pt. 1 on chart # 5
17	450360 1240740	connects to pt. 2 on chart # 5

Towboat / Lane Negotiations Annual Meeting
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Local Information

Channels 19, 16

Bob Spelbrink

F/V Alliance

(541) 270-6676 cell

(541) 444-2041 home

Advisory: Areas seaward of the
outside towlanes may have crab
gear. See supplemental Chart 4s.

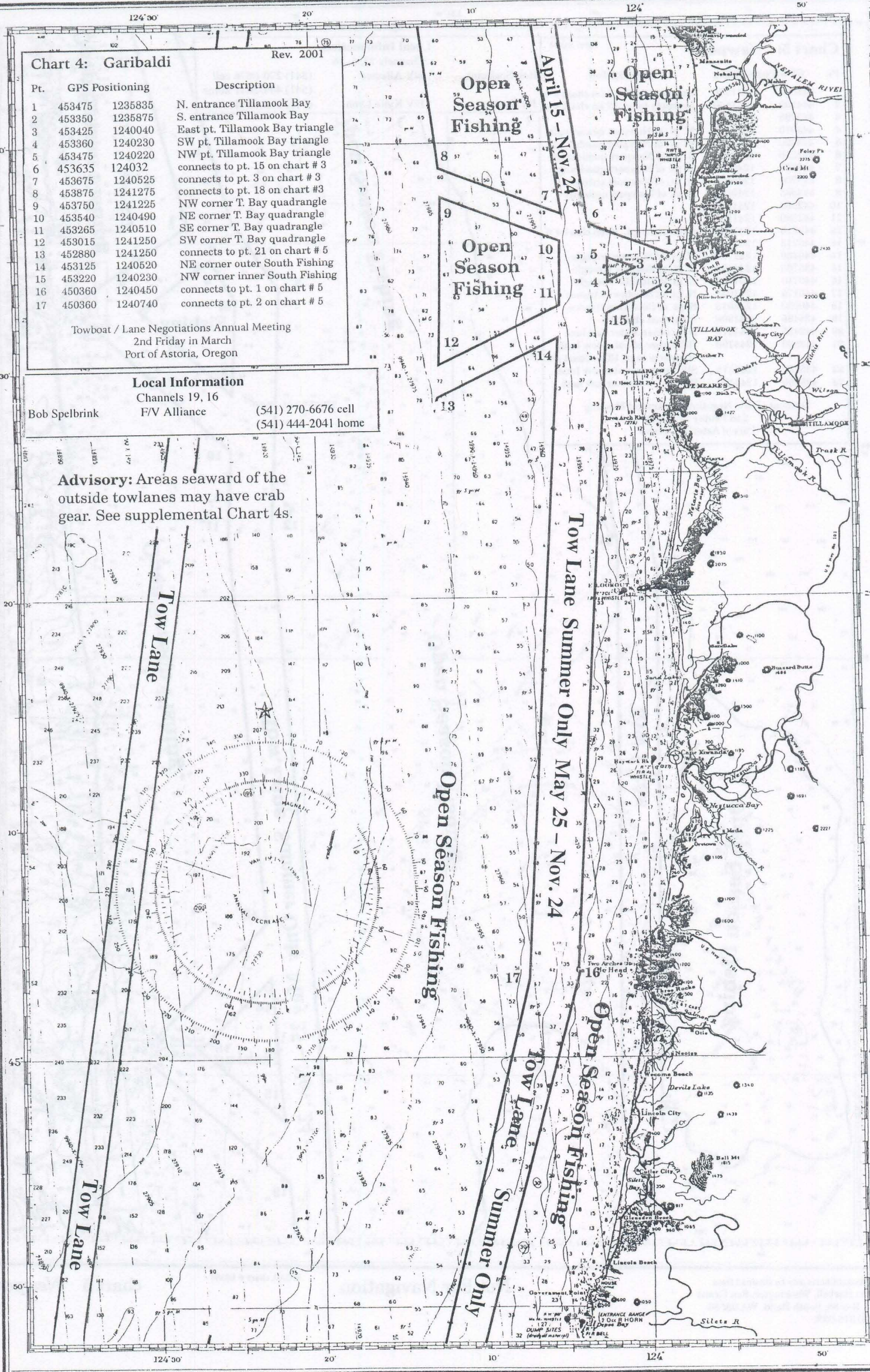


Chart 5: Newport

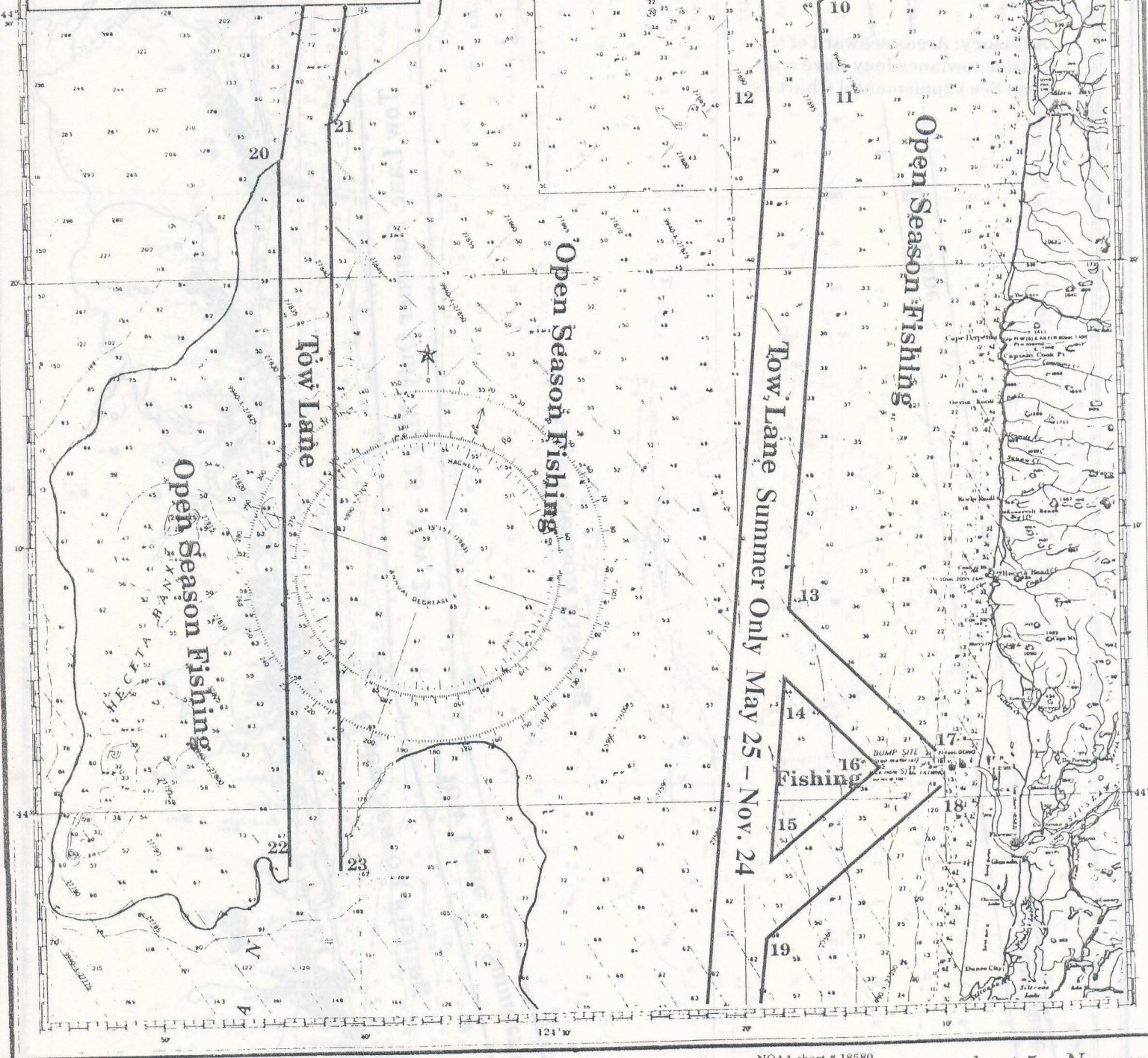
Rev. 2001

Local Information

Channels 73, 6, 16
 F/V Alliance (541) 270-6676 cell
 F/V Kylie Lynn (541) 444-2041 home
 (541) 265-6941

Pt.	GPS Positioning	Description
1	444085 1241270	connects to pt. 16 on chart # 4
2	444100 1241540	connects to pt. 17 on chart # 4
3	443785 1241840	
4	443910 1241425	N. pt. of Newport quadrangle
5	443720 1241585	W. pt. of Newport quadrangle
6	443250 1241555	S. pt. of Newport quadrangle
7	443660 1240950	E. pt. of Newport quadrangle
8	443700 1240550	N. pt. of Newport entrance
9	443565 1240690	S. pt. of Newport entrance
10	442980 1241540	
11	442590 1241525	
12	442610 1241790	connects to pt. 10 on chart # 6
13	440715 1241750	
14	440450 1241790	N. pt. of Siuslaw triangle
15	435765 1241850	S. pt. of Siuslaw triangle
16	440110 1241325	E. pt. of Siuslaw triangle
17	440175 1241035	N. pt. of Siuslaw entrance
18	440050 1241015	S. pt. of Siuslaw entrance
19	435485 1241900	is pt. A on chart #6
20	442425 1244375	NW corner outer tow lane
21	442580 1244100	NE corner of outer tow lane connects to pt 13 on chart #4
22	435750 1244375	SW corner of outer tow lane
23	435750 1244100	SE corner of outer tow lane

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Not For Navigation

NOAA chart # 18580

chart 5 Newport

Additional Charts may be obtained from
 Steve Harbell, Washington Sea Grant
 P.O. Box 88, South Bend, WA 98586
 (360) 875-9331

Chart 6: Coos Bay

Rev. 2001

Pt.	GPS Positioning	Description
A	435485 1241900	pt. 19 of chart # 5
1	434620 1242000	
2	434385 1242015	N. pt. Umpqua R. triangle
3	433880 1242275	S. pt. Umpqua R. triangle
4	434080 1241770	E. pt. Umpqua R. triangle
5	434040 1241390	N. pt. entrance Umpqua R.
6	433950 1241390	S. pt. entrance Umpqua R.
7	433860 1241585	
8	433810 1241890	NE corner fishing quadrangle
9	433640 1242390	NW corner fishing quadrangle
10	434370 1242300	connects to pt. 12 of chart # 5
11	432625 1242890	SW corner fishing quadrangle
12	432450 1242625	SE corner fishing quadrangle
13	432350 1242450	
14	432250 1242290	N. Pt. entrance to Coos Bay
15	432125 1242400	S. pt. entrance to Coos Bay
16	432210 1242690	E. pt. Coos Bay triangle
17	432400 1243000	N. pt. Coos Bay triangle
18	432075 1243185	S. pt. Coos Bay triangle
19	431860 1243285	
20	431485 1243475	
21	431275 1243600	N. pt. Coquille R. quadrangle
22	430850 1243800	W. pt. Coquille R. quadrangle
23	430850 1244075	
24	430410 1243940	S. pt. Coquille R. quadrangle
25	430850 1243110	E. pt. Coquille R. quadrangle
26	430875 1242840	N. pt. entrance to Coquille R.
27	430725 1242840	S. pt. entrance to Coquille R.
28	430140 1244000	

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Local Information

Channels 11,16		
Rick Lilieanthal	F/V Nel-Ron-Dick	(541) 290-5400 cell (541) 888-5366 home
Tom Nowlin	F/V Apache	(541) 290-9677 cell (541) 267-3796 home

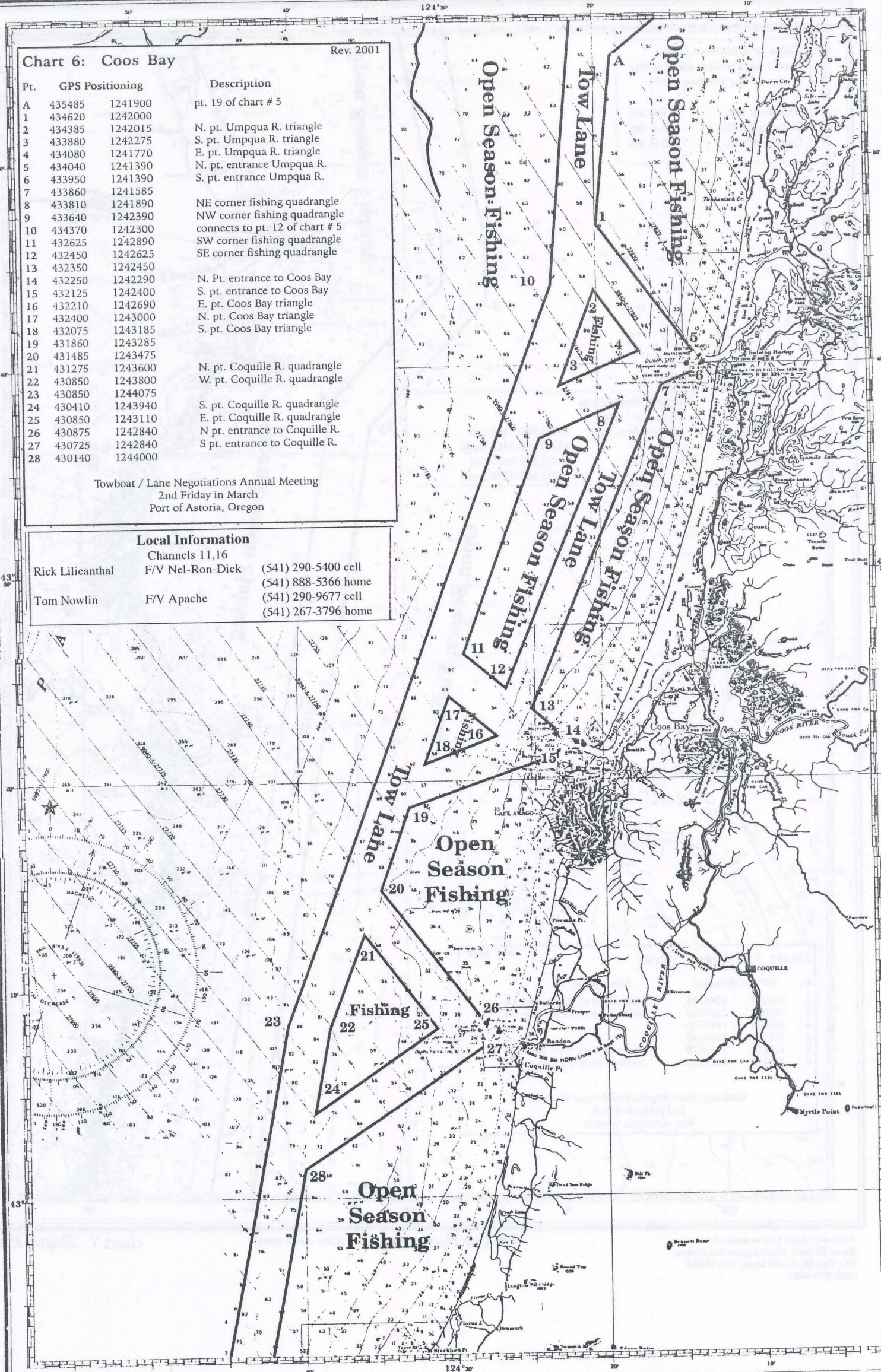


Table of distances from prominent points west to the center of the towboat lane:

Humbug Mt.	7.0 mi
Cape Sebastian	4.5 mi
Cape Ferrelo	5.8 mi

Local Information

Channels 11.16		
Rick Lilienthal	F/V Nel-Ron-Dick	(541) 290-5400 cell (541) 888-5366 home
Tom Nowlin	F/V Apache	(541) 290-9677 cell (541) 267-3796 home

Chart 7: Rogue River

Rev. 2001

Pt.	GPS Positioning	Description
1	424995 1244535	connects to pt. 23 on chart # 6
2	425000 1244250	connects to pt. 28 on chart # 6
3	424675 1244520	
4	424765 1244240	
5	424110 1243810	connects to pt. 7 on chart # 8
6	424220 1243550	connects to pt. 1 on chart # 8

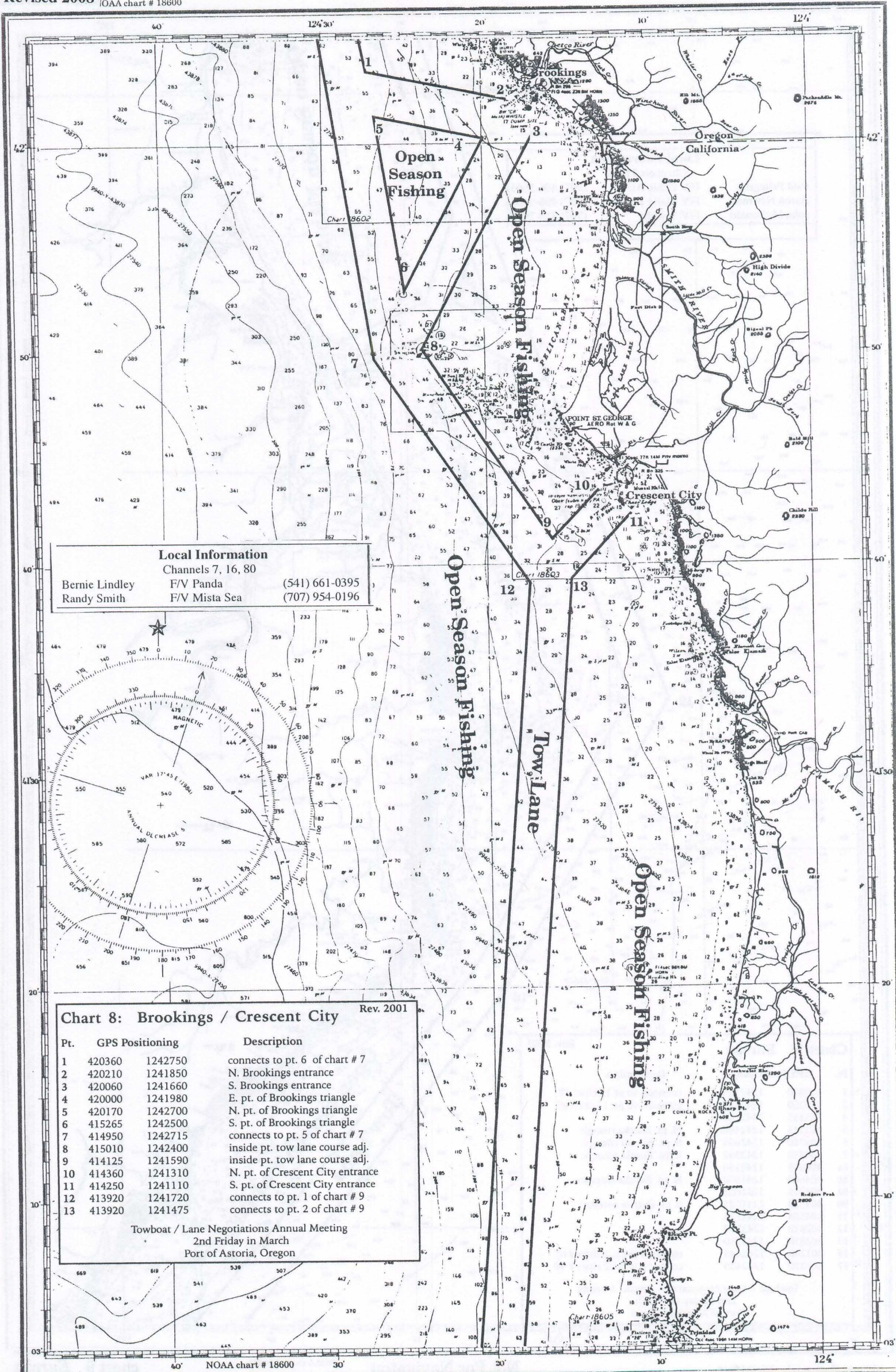
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2nd Friday in March
Port of Astoria, Oregon

Not For Navigation

NOAA chart # 18600

chart 7 Rogue River

Additional Charts may be obtained from
Steve Harbell, Washington Sea Grant
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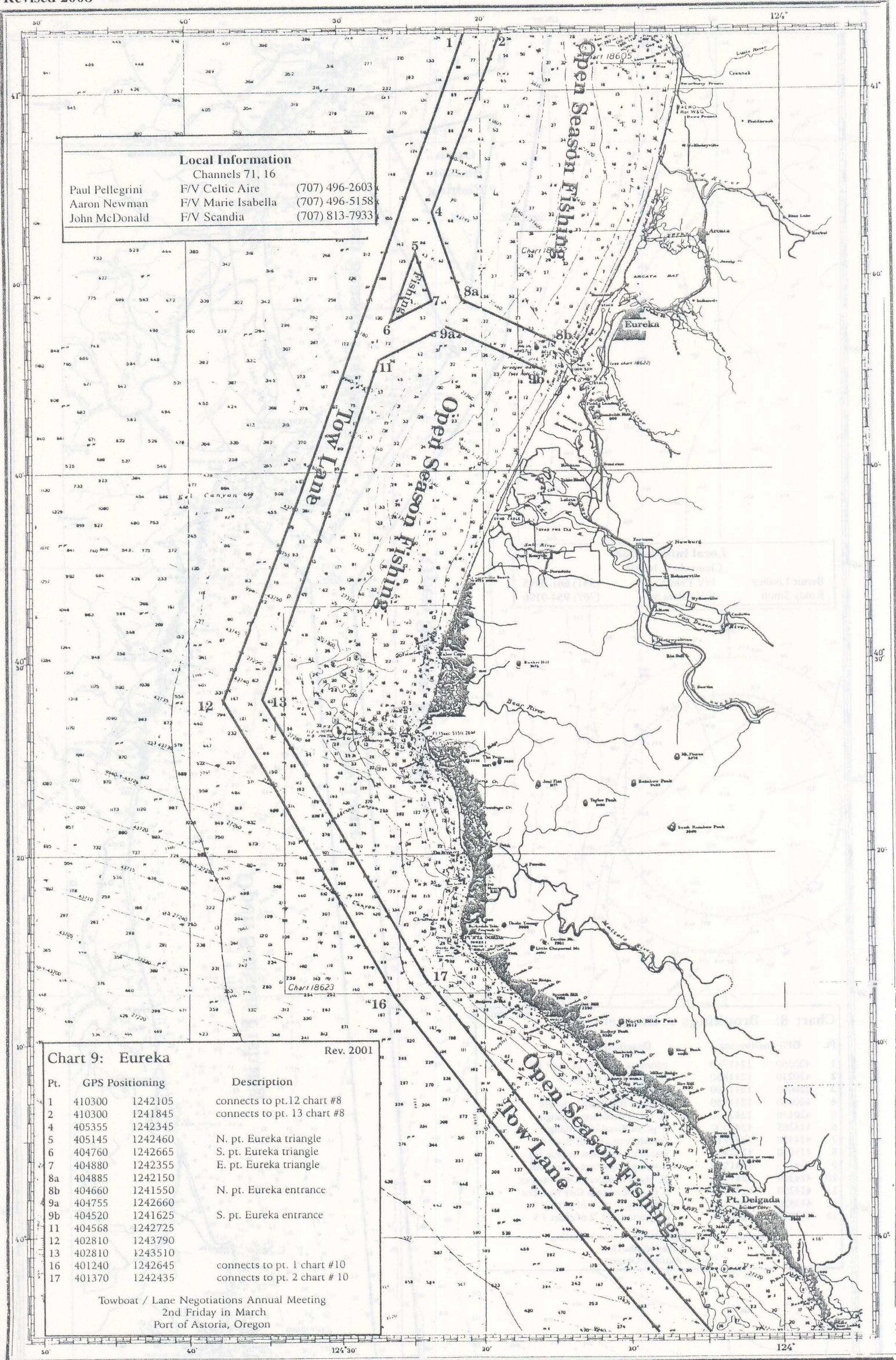


Local Information
 Channels 7, 16, 80
 Bernie Lindley F/V Panda (541) 661-0395
 Randy Smith F/V Mista Sea (707) 954-0196

Chart 8: Brookings / Crescent City Rev. 2001

Pt.	GPS Positioning	Description
1	420360 1242750	connects to pt. 6 of chart # 7
2	420210 1241850	N. Brookings entrance
3	420060 1241660	S. Brookings entrance
4	420000 1241980	E. pt. of Brookings triangle
5	420170 1242700	N. pt. of Brookings triangle
6	415265 1242500	S. pt. of Brookings triangle
7	414950 1242715	connects to pt. 5 of chart # 7
8	415010 1242400	inside pt. tow lane course adj.
9	414125 1241590	inside pt. tow lane course adj.
10	414360 1241310	N. pt. of Crescent City entrance
11	414250 1241110	S. pt. of Crescent City entrance
12	413920 1241720	connects to pt. 1 of chart # 9
13	413920 1241475	connects to pt. 2 of chart # 9

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Local Information
 Channels 71, 16
 Paul Pellegrini F/V Celtic Aire (707) 496-2603
 Aaron Newman F/V Marie Isabella (707) 496-5158
 John McDonald F/V Scandia (707) 813-7933

Chart 9: Eureka Rev. 2001

Pt.	GPS Positioning	Description
1	410300 1242105	connects to pt.12 chart #8
2	410300 1241845	connects to pt. 13 chart #8
4	405355 1242345	
5	405145 1242460	N. pt. Eureka triangle
6	404760 1242665	S. pt. Eureka triangle
7	404880 1242355	E. pt. Eureka triangle
8a	404885 1242150	
8b	404660 1241550	N. pt. Eureka entrance
9a	404755 1242660	
9b	404520 1241625	S. pt. Eureka entrance
11	404568 1242725	
12	402810 1243790	
13	402810 1243510	
16	401240 1242645	connects to pt. 1 chart #10
17	401370 1242435	connects to pt. 2 chart #10

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Chart 10: Fort Bragg

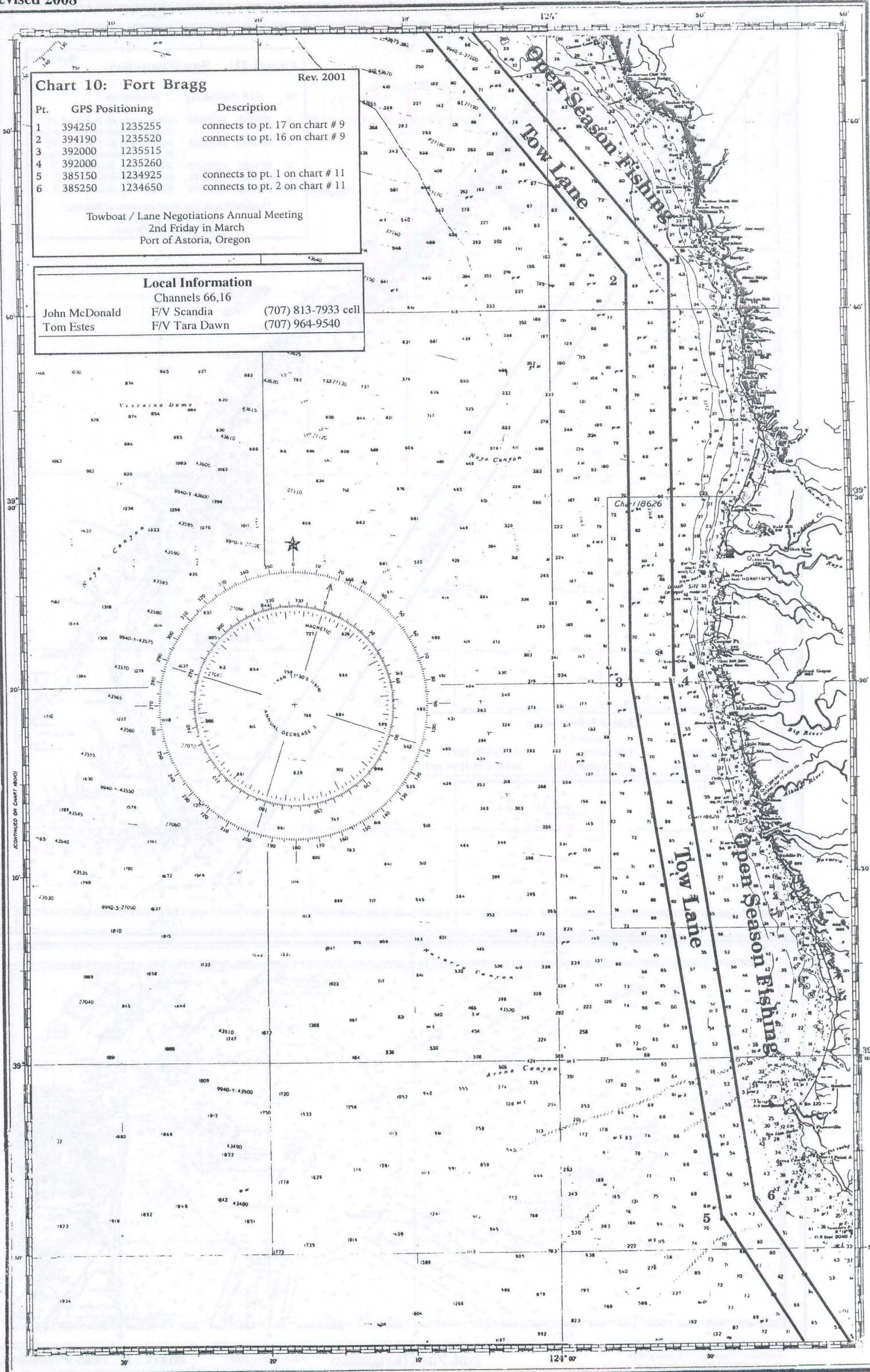
Rev. 2001

Pt.	GPS Positioning	Description
1	394250 1235255	connects to pt. 17 on chart # 9
2	394190 1235520	connects to pt. 16 on chart # 9
3	392000 1235515	
4	392000 1235260	
5	385150 1234925	connects to pt. 1 on chart # 11
6	385250 1234650	connects to pt. 2 on chart # 11

Towboat / Lane Negotiations Annual Meeting
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Local Information

	Channels 66,16	
John McDonald	F/V Scandia	(707) 813-7933 cell
Tom Estes	F/V Tara Dawn	(707) 964-9540



CONTINUED ON CHART 18601

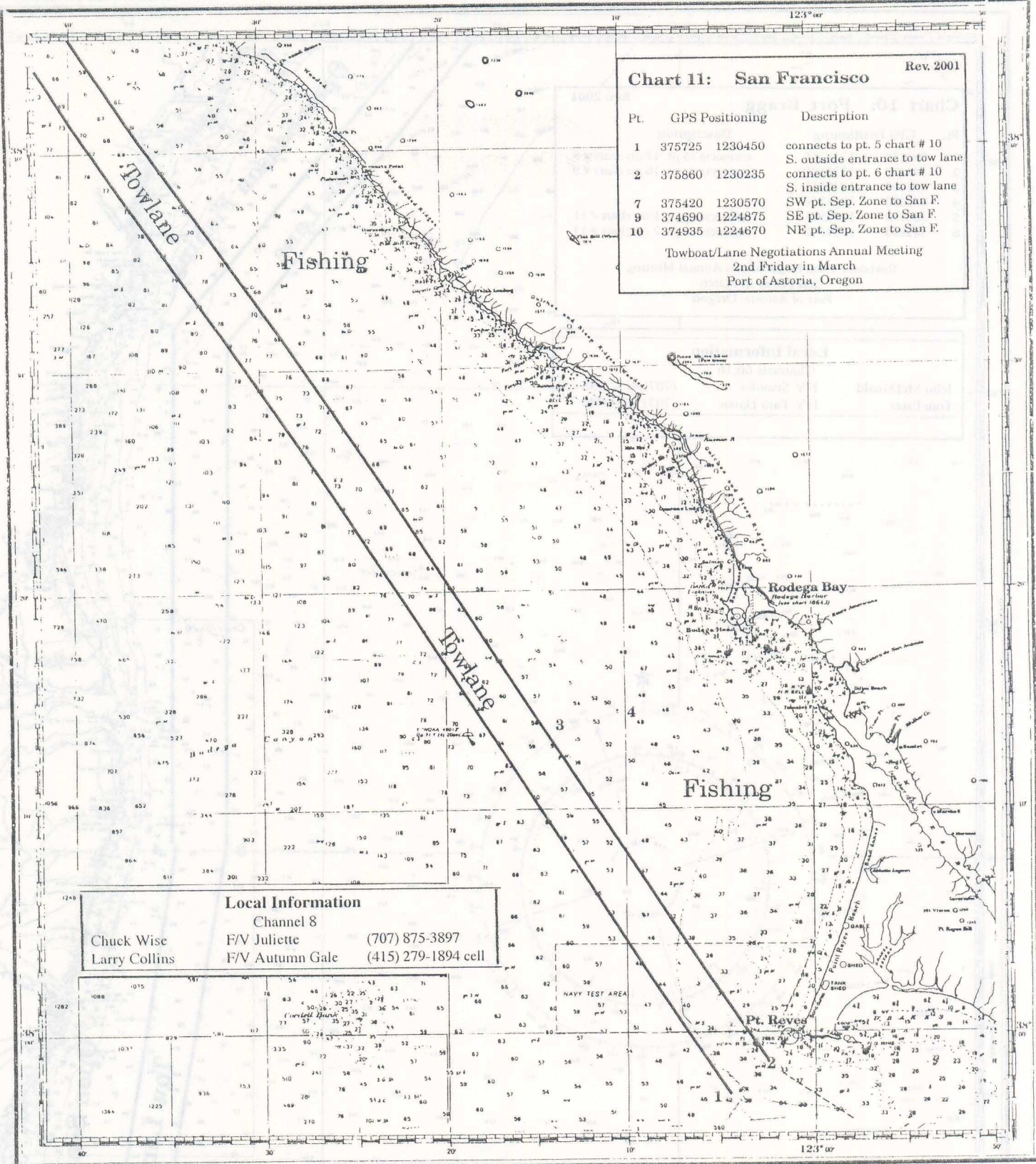
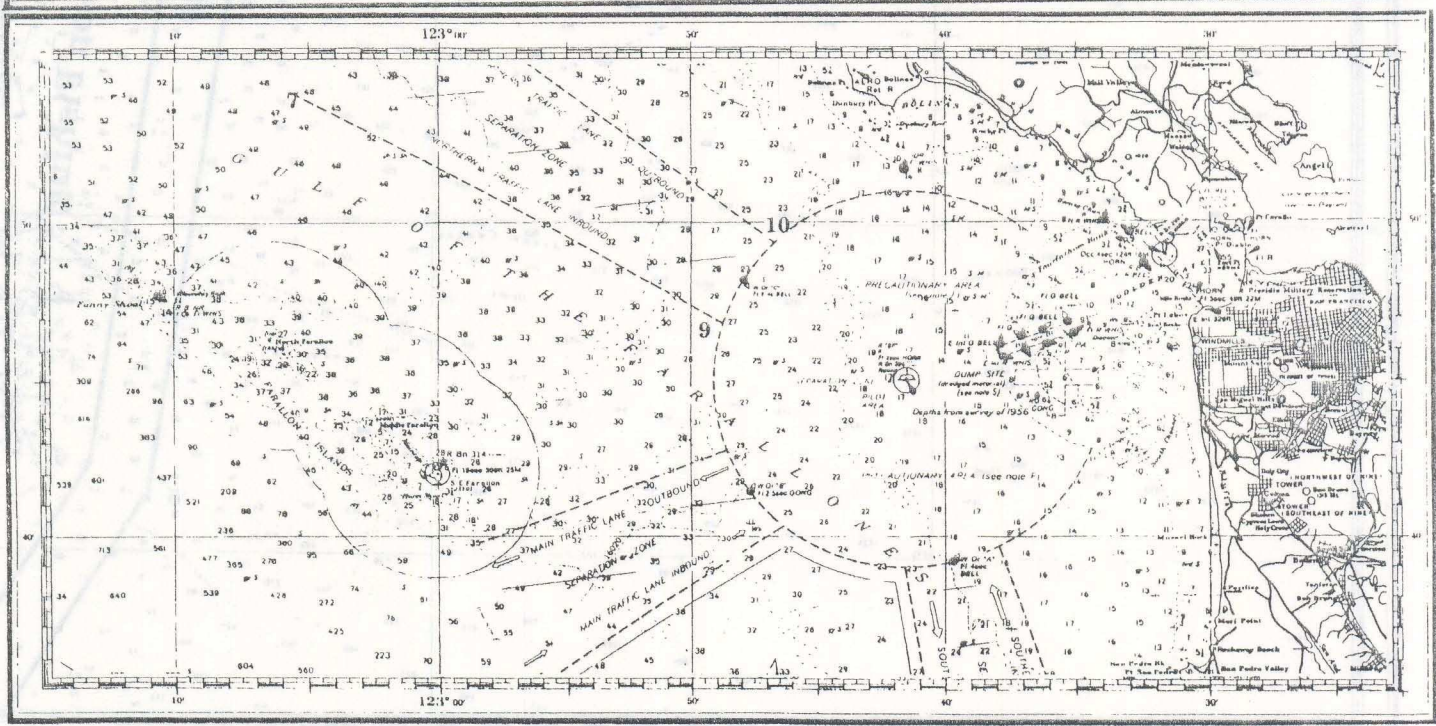


Chart 11: San Francisco Rev. 2001

Pt.	GPS Positioning	Description
1	375725 1230450	connects to pt. 5 chart # 10
2	375860 1230235	S. outside entrance to tow lane
7	375420 1230570	S. inside entrance to tow lane
9	374690 1224875	SW pt. Sep. Zone to San F.
10	374935 1224670	SE pt. Sep. Zone to San F.

Towboat/Lane Negotiations Annual Meeting
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Local Information
Channel 8
Chuck Wise F/V Juliette (707) 875-3897
Larry Collins F/V Autumn Gale (415) 279-1894 cell



Additional Charts may be obtained from
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P.O. Box 88, South Bend, Washington 98586
(360) 875-9331

Not For Navigation

NOAA chart # 18640

chart 11 San Francisco

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Washington Sea Grant Program office at
South Bend, Washington
Phone: 360-875-9331
Fax: 360-875-9304
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