

Name	Number	Description
Number of Legs	Distance	
NSTAR1	1	Northern Star 1
7	35.6 n mi	
NSTAR2	2	Northern Star 2
7	33.9 n mi	
HALF1	4	OneWay to Half Moon Bay 1
6	26.3 n mi	
HALF2	5	OneWay to Half Moon Bay 2
6	28.2 n mi	
HALF3	6	OneWay to Half Moon Bay 3
5	31.8 n mi	
SCROS1	7	Southern Cross 1
6	34.5 n mi	
SCROS2	8	Southern Cross 2
5	31.9 n mi	
SPINCP	9	Spinnaker Cup
6	85.3 n mi	
VYCSAT	10	Vallejo Opener Saturday
7	20.5 n mi	
VYCSUN	11	Vallejo Opener Sunday
5	13.6 n mi	

Symbol Comment Longitude Bearing	Description Type Elevation	Waypoint Latitude Distance to Active Point
Red Buoy ANO NUEVO W122°20.527' N/A	Ano Nuevo Red Buoy 0.0 ft	ANONUE N37°05.741' N/A
Green Buoy PT BLUNT W122°25.041' N/A	Pt Blunt Green Buoy 0.0 ft	BLUNT N37°51.032' N/A
Red Buoy BONITA CHAN BUOY R2 W122°34.099' N/A	Bonita Channel Buoy Red Buoy 0.0 ft	BONIR2 N37°50.018' N/A
Danger OFF PT BONITA W122°31.732' N/A	Off Pt Bonita Danger 0.0 ft	BONITA N37°48.814' N/A
Red Buoy CASTRO ROCKS BUOY W122°25.251' N/A	Castro Rocks Buoy Red Buoy 0.0 ft	CR N37°55.899' N/A
Green Buoy DUXBURY REEF BUOY W122°41.725' N/A	Duxbury Reef Whistl Green Buoy 0.0 ft	DR N37°51.617' N/A
Default DRAKES BAY CHIM RK W122°57.373' N/A	Drakes Bay off Chim Default 0.0 ft	DRAKCR N37°59.401' N/A
Mark DRAKES BAY FINISH W122°58.471' N/A	Drakes Bay Finish Mark 0.0 ft	DRAKEF N37°59.941' N/A
Mark DRAKES BAY START W122°58.424' N/A	Drakes Bay Start Mark 0.0 ft	DRAKES N38°00.288' N/A
Default SE FARALLONE 1 W123°01.023' N/A	SE Farallone 1 Default 0.0 ft	FARA1 N37°41.855' N/A
Default SE FARALLONE 2 W123°00.278' N/A	SE Farallone 2 Default 0.0 ft	FARA2 N37°41.466' N/A
Green Buoy SF MAIN SHIP CHAN C W122°35.401' N/A	SF Main Ship Channe Green Buoy 0.0 ft	G7 N37°46.909' N/A

Symbol Comment Longitude Bearing	Description Type Elevation	Waypoint Latitude Distance to Active Point
Default GOLDEN GATE BRIDGE W122°28.695' N/A	Golden Gate bridge Default 0.0 ft	GATE N37°49.034' N/A
Red Buoy KNOX BUOY W122°26.617' N/A	Knox Buoy Red Buoy 0.0 ft	KNOX N37°51.168' N/A
Green Day MARE IS CHAN 1 W122°14.838' N/A	Mare Island Channel Green Day 0.0 ft	MARE 1 N38°04.254' N/A
Mark MONTEREY MUNI WHAR W121°53.298' N/A	Municipal Wharf #2 Mark 0.0 ft	MNTRY2 N36°36.844' N/A
Default OFF POINT MONTARA W122°32.192' N/A	Off Point Montara Default 0.0 ft	MONTAR N37°32.186' N/A
Default PIGEON PT W122°24.783' N/A	Off Pigeon Pt Default 0.0 ft	PIGEON N37°10.719' N/A
Green Buoy PILLAR PT GONG 1 W122°30.363' N/A	Pillar Point Gong E Green Buoy 0.0 ft	PILLR1 N37°29.171' N/A
Green Buoy PILLAR PT BUOY 3 W122°28.969' N/A	Pillar Point Bell E Green Buoy 0.0 ft	PILLR3 N37°28.881' N/A
Red Day PT PINOLE DAY MARK W122°22.051' N/A	Point Pinole day ma Red Day 0.0 ft	PINOLE N38°00.994' N/A
Red Buoy MAIN SHIP CHAN R2 W122°37.743' N/A	Main Ship Channel E Red Buoy 0.0 ft	R2 N37°45.815' N/A
Red Buoy R4 EAST OF PT BLUNI W122°23.777' N/A	R4 east of Pt Blunt Red Buoy 0.0 ft	R4BLNT N37°50.834' N/A
Red Buoy MAIN SHIP CHAN R8 W122°35.219' N/A	Main Ship Channel E Red Buoy 0.0 ft	R8 N37°46.504' N/A

Symbol Comment Longitude Bearing	Description Type Elevation	Waypoint Latitude Distance to Active Point
Default RICHMOND BREAKWATER W122°23.521' N/A	Richmond Breakwater Default 0.0 ft	RCHBRK N37°54.234' N/A
Green Buoy RICHMOND YC G7 W122°23.171' N/A	Richmond Yacht Cluk Green Buoy 0.0 ft	RYCG7 N37°54.392' N/A
Red Buoy PT SAN PABLO BUOY R W122°25.753' N/A	Point San Pablo buc Red Buoy 0.0 ft	SANPAB N37°58.066' N/A
Default OFF SEAL ROCKS W122°31.208' N/A	Off Seal Rocks Default 0.0 ft	SEALRK N37°46.888' N/A
Red Buoy APPROACH BUOY R SF W122°41.581' N/A	Approach Buoy R SF Red Buoy 0.0 ft	SF N37°45.000' N/A
Bell SF N TRAFFIC LANE W122°47.952' N/A	SF North Traffic La Bell 0.0 ft	SF N N37°48.222' N/A
Bell SF S TRAFFIC LANE W122°41.703' N/A	SF South Traffic La Bell 0.0 ft	SF S N37°38.993' N/A
Mark VALLEJO FINISH SUN W122°27.418' N/A	Vallejo Finish Sun Mark 0.0 ft	V FNSH N37°57.124' N/A
Mark VALLEJO START SAT W122°22.367' N/A	Vallejo Start Sat Mark 0.0 ft	V STRT N37°50.851' N/A
Mark VALLEJO YC W122°15.446' N/A	Vallejo YC Finish s Mark 0.0 ft	VYC N38°05.451' N/A
Mark YRA A W122°26.730' N/A	YRA A Mark 0.0 ft	YRA A N37°48.661' N/A
Mark YRA X W122°26.570' N/A	YRA X Mark 0.0 ft	YRA X N37°48.660' N/A

Symbol	Description	Waypoint
Comment	Type	Latitude
Longitude	Elevation	Distance to Active Point
Bearing		
Green Buoy	Little Harding Rock	YRA12
LITTLE HARDING ROCK	Green Buoy	N37°50.637'
W122°27.184'	0.0 ft	N/A
N/A		

Name Distance	Number Bearing	Description Waypoint
YRA X-GATE 1.7 n mi	1 282.6°	YRA X-GATE YRA X
GATE-BONITA 2.4 n mi	2 264.8°	GATE-BONITA GATE
BONITA-SF N 12.8 n mi	3 267.4°	BONITA-SF N BONITA
SF N-SF 6.0 n mi	4 122.6°	SF N-SF SF N
SF-GATE 11.0 n mi	5 68.3°	SF-GATE SF
GATE-YRA X 1.7 n mi	6 102.5°	GATE-YRA X GATE
YRA X-YRA X 0 ft	7 0.0°	YRA X-YRA X YRA X

Name Distance	Number Bearing	Description Waypoint
YRA X-GATE 1.7 n mi	1 282.6°	YRA X-GATE YRA X
GATE-BONITA 2.4 n mi	2 264.8°	GATE-BONITA GATE
BONITA-SF N 12.8 n mi	3 267.4°	BONITA-SF N BONITA
SF N-BONITA 12.8 n mi	4 87.3°	SF N-BONITA SF N
BONITA-GATE 2.4 n mi	5 84.7°	BONITA-GATE BONITA
GATE-YRA X 1.7 n mi	6 102.5°	GATE-YRA X GATE
YRA X-YRA X 0 ft	7 0.0°	YRA X-YRA X YRA X

Name	Number	Description	Distance	Bearing	Waypoint
YRA A-GATE	1	YRA A-GATE	1.6 n mi	283.5°	YRA A
GATE-R8	2	GATE-R8	5.7 n mi	243.9°	GATE
R8-MONTAR	3	R8-MONTAR	14.5 n mi	170.5°	R8
MONTAR-PILLR1	4	MONTAR-PILLR1	3.3 n mi	154.3°	MONTAR
PILLR1-PILLR3	5	PILLR1-PILLR3	1.1 n mi	104.7°	PILLR1
PILLR3-PILLR3	6	PILLR3-PILLR3	0 ft	0.0°	PILLR3

Name	Number	Description	Distance	Bearing	Waypoint
YRA A-GATE	1	YRA A-GATE	1.6 n mi	283.5°	YRA A
GATE-R2	2	GATE-R2	7.8 n mi	245.8°	GATE
R2-MONTAR	3	R2-MONTAR	14.3 n mi	162.1°	R2
MONTAR-PILLR1	4	MONTAR-PILLR1	3.3 n mi	154.3°	MONTAR
PILLR1-PILLR3	5	PILLR1-PILLR3	1.1 n mi	104.7°	PILLR1
PILLR3-PILLR3	6	PILLR3-PILLR3	0 ft	0.0°	PILLR3

Name	Number	Description	Distance	Bearing	Waypoint
YRA A-GATE	1	YRA A-GATE	1.6 n mi	283.5°	YRA A
GATE-SF	2	GATE-SF	11.0 n mi	248.5°	GATE
SF-PILLR1	3	SF-PILLR1	18.2 n mi	150.6°	SF
PILLR1-PILLR3	4	PILLR1-PILLR3	1.1 n mi	104.7°	PILLR1
PILLR3-PILLR3	5	PILLR3-PILLR3	0 ft	0.0°	PILLR3

Name Distance	Number Bearing	Description Waypoint
YRA A-GATE 1.6 n mi	1 283.5°	YRA A-GATE YRA A
GATE-SF S 14.4 n mi	2 225.8°	GATE-SF S GATE
SF S-SF 6.0 n mi	3 0.9°	SF S-SF SF S
SF-GATE 11.0 n mi	4 68.3°	SF-GATE SF
GATE-YRA A 1.6 n mi	5 103.5°	GATE-YRA A GATE
YRA A-YRA A 0 ft	6 0.0°	YRA A-YRA A YRA A

Name Distance	Number Bearing	Description Waypoint
YRA A-GATE 1.6 n mi	1 283.5°	YRA A-GATE YRA A
GATE-SF S 14.4 n mi	2 225.8°	GATE-SF S GATE
SF S-GATE 14.4 n mi	3 45.6°	SF S-GATE SF S
GATE-YRA A 1.6 n mi	4 103.5°	GATE-YRA A GATE
YRA A-YRA A 0 ft	5 0.0°	YRA A-YRA A YRA A

Name	Number	Description	Distance	Bearing	Waypoint
KNOX-SEALRK	1	KNOX-SEALRK	5.6 n mi	220.3°	KNOX
SEALRK-MONTAR	2	SEALRK-MONTAR	14.7 n mi	183.0°	SEALRK
MONTAR-PIGEON	3	MONTAR-PIGEON	22.3 n mi	164.6°	MONTAR
PIGEON-ANONUE	4	PIGEON-ANONUE	6.0 n mi	145.7°	PIGEON
ANONUE-MNTRY2	5	ANONUE-MNTRY2	36.7 n mi	143.2°	ANONUE
MNTRY2-MNTRY2	6	MNTRY2-MNTRY2	0 ft	0.0°	MNTRY2

Name Distance	Number Bearing	Description Waypoint
V STRT-R4BLNT 1.1 n mi	1 269.1°	V STRT-R4BLNT V STRT
R4BLNT-CR 5.2 n mi	2 347.1°	R4BLNT-CR R4BLNT
CR-SANPAB 2.2 n mi	3 349.7°	CR-SANPAB CR
SANPAB-PINOLE 4.1 n mi	4 44.9°	SANPAB-PINOLE SANPAB
PINOLE-MARE 1 6.5 n mi	5 60.1°	PINOLE-MARE 1 PINOLE
MARE 1-VYC 1.3 n mi	6 338.2°	MARE 1-VYC MARE 1
VYC-VYC 0 ft	7 0.0°	VYC-VYC VYC

Name Distance	Number Bearing	Description Waypoint
VYC-MARE 1 1.3 n mi	1 158.2°	VYC-MARE 1 VYC
MARE 1-PINOLE 6.5 n mi	2 240.2°	MARE 1-PINOLE MARE 1
PINOLE-SANPAB 4.1 n mi	3 224.9°	PINOLE-SANPAB PINOLE
SANPAB-V FNSH 1.6 n mi	4 234.3°	SANPAB-V FNSH SANPAB
V FNSH-V FNSH 0 ft	5 0.0°	V FNSH-V FNSH V FNSH
