NARRAGANSETT BAY, RHODE ISLAND:
Wickford Harbor, North Kingstown

SHORELINE CHANGE FROM 1939-2014

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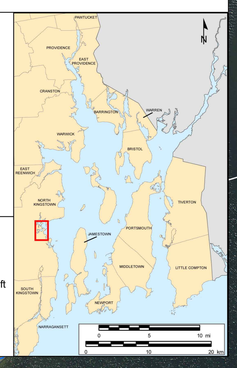
EXPLANATION

DIGITAL SHORELINE ANALYSIS
- DSAS Transect
- Baseline

SHORELINES
Wet/Dry Lines
- 1939
- 2012
- 2014

SHORELINE CHANGE
- Transect ID: 26
- Shoreline Change Distance: -27.5 ft / -8.4 m
- Shoreline Change Rate: -0.4 ft/yr / -0.1 m/yr



Scale
0 500 1,000 ft
0 100 200 m

2014 USGS Orthophotography Base

GEOLOGICAL SURVEY · THE UNIVERSITY OF RHODE ISLAND COLLEGE OF ENVIRONMENT AND LIFE SCIENCES · EASTERN · CRMC Coastal Resources Management Council · RIGIS

1631 8.0 ft 2.44 m · 0.1 ft/yr 0.03 m/yr
1632 21.0 ft 6.39 m · 0.3 ft/yr 0.09 m/yr
1633 -13.3 ft -4.04 m · -0.2 ft/yr -0.05 m/yr
1634 -9.7 ft -2.97 m · -0.1 ft/yr -0.04 m/yr
1635 -6.7 ft -2.04 m · -0.1 ft/yr -0.03 m/yr
1636 -9.0 ft -2.73 m · -0.1 ft/yr -0.04 m/yr
1637 -2.0 ft -0.62 m · -0.0 ft/yr -0.01 m/yr
1638 10.0 ft 3.06 m · 0.1 ft/yr 0.04 m/yr
1639 7.3 ft 2.23 m · 0.1 ft/yr 0.03 m/yr
0.1 ft/yr 0.01 m/yr · 0.93 m · 0.0 ft/yr 0.01 m/yr
1654 -9.2 ft -2.49 m · -0.1 ft/yr -0.03 m/yr
1655 -5.3 ft -1.61 m · -0.1 ft/yr -0.02 m/yr
1656 12.3 ft 3.75 · 0.2 ft/yr 0.05 m/yr
1657 -3.0 ft -0.91 m · 0.0 ft/yr -0.01 m/yr
1658 6.3 ft 1.93 m · 0.1 ft/yr 0.03 m/yr
1659 33.4 ft 10.17 m · 0.4 ft/yr 0.14 m/yr
1660 65.3 ft 19.91 m · 0.9 ft/yr 0.27 m/yr
1661 154.3 ft 47.04 m · 2.1 ft/yr 0.63 m/yr
1662 9.6 ft 2.93 m · 0.1 ft/yr 0.04 m/yr
1663 -17.7 ft -5.39 m · -0.2 ft/yr -0.07 m/yr
1664 -29.6 ft -9.03 m · -0.4 ft/yr -0.12 m/yr
1665 -27.8 ft -8.47 m · -0.4 ft/yr -0.12 m/yr
1666 -27.3 ft -8.32 m · -0.4 ft/yr -0.11 m/yr
1667 -36.9 ft -11.26 m · -0.5 ft/yr -0.15 m/yr
1668 -26.7 ft -8.14 m · -0.4 ft/yr -0.11 m/yr
-28.0 ft -8.53 m
-4.28 m · -0.06 m/yr
1592 6.6 ft 2.01 m · 0.1 ft/yr 0.03 m/yr
1591 17.2 ft 5.24 m · 0.2 ft/yr 0.07 m/yr
1590 5.4 ft 1.63 m · 0.1 ft/yr 0.02 m/yr
1589 -1.7 ft -0.53 m · 0.0 ft/yr -0.01 m/yr
1588 3.8 ft 1.55 m · 0.1 ft/yr 0.02 m/yr
1587 3.0 ft 0.92 m · 0.0 ft/yr 0.01 m/yr
1586 -0.5 ft -0.16 m · 0.0 ft/yr 0.00 m/yr
1585 6.0 ft 1.84 m · 0.1 ft/yr 0.02 m/yr
1584 22.5 ft 6.86 m · 0.3 ft/yr 0.09 m/yr
1583 9.0 ft 2.73 m · 0.1 ft/yr 0.04 m/yr
1582 -4.6 ft -1.40 m · -0.1 ft/yr -0.02 m/yr
1581 -2.5 ft -0.77 m · 0.0 ft/yr -0.01 m/yr
1580 1.6 ft 0.48 m · 0.0 ft/yr 0.01 m/yr
1579 1.9 ft 0.59 m · 0.0 ft/yr 0.01 m/yr
1578 1.0 ft 0.29 m · 0.0 ft/yr 0.00 m/yr
1577 1.5 ft 0.46 m · 0.0 ft/yr 0.01 m/yr
1576 3.0 ft 0.95 m · 0.0 ft/yr 0.01 m/yr
1575 34.1 ft 10.38 m · 0.5 ft/yr 0.14 m/yr
1574 4.2 ft 1.28 m · 0.1 ft/yr 0.02 m/yr
1573 -25.7 ft -7.81 m · -0.3 ft/yr -0.10 m/yr
1572 12.1 ft 3.69 m · 0.2 ft/yr 0.05 m/yr
1571 1.3 ft 0.40 m · 0.0 ft/yr 0.01 m/yr
1570 9.6 ft 2.92 m · 0.1 ft/yr 0.04 m/yr
1569 10.2 ft 3.11 m · 0.1 ft/yr 0.04 m/yr
1568 -10.7 ft -3.25 m · -0.1 ft/yr -0.04 m/yr
1567 -12.3 ft -3.75 m · -0.2 ft/yr -0.05 m/yr
1566 -4.6 ft -1.41 m · -0.1 ft/yr -0.02 m/yr
1565 -9.1 ft -2.78 m · -0.1 ft/yr -0.04 m/yr
1564 -9.9 ft -3.03 m · -0.1 ft/yr -0.04 m/yr
1563 -69.8 ft -21.27 m · -0.9 ft/yr -0.28 m/yr
1562 -29.1 ft -8.88 m · -0.4 ft/yr -0.12 m/yr
1561 -16.4 ft -5.00 m · -0.2 ft/yr -0.07 m/yr
1560 -48.3 ft -14.71 m · -0.6 ft/yr -0.20 m/yr
1559 -51.1 ft -15.58 m · -0.7 ft/yr -0.21 m/yr
1558 -33.7 ft -10.26 m · -0.5 ft/yr -0.14 m/yr
1557 154.0 ft 46.95 m · 2.1 ft/yr 0.63 m/yr
1556 -1.9 ft -0.59 m · 0.0 ft/yr -0.01 m/yr
1555 -11.8 ft -3.61 m · -0.2 ft/yr -0.05 m/yr
1554 -16.7 ft -5.08 m · -0.2 ft/yr -0.07 m/yr
1553 -11.5 ft -3.51 m · -0.2 ft/yr -0.05 m/yr
1552 -26.0 ft -7.91 m · -0.4 ft/yr -0.11 m/yr
1551 -67.0 ft -20.42 m · -0.9 ft/yr -0.27 m/yr
1550 -24.2 ft -7.38 m · -0.3 ft/yr -0.10 m/yr
1549 -20.6 ft -6.28 m · -0.3 ft/yr -0.08 m/yr
1548 -44.5 ft -13.58 m · -0.6 ft/yr -0.18 m/yr
1547 -9.6 ft -2.92 m · -0.1 ft/yr -0.04 m/yr
1546 -29.9 ft -9.12 m · -0.4 ft/yr -0.12 m/yr
1545 -106.9 ft -32.60 m · -1.4 ft/yr -0.43 m/yr
1544 -2.4 ft -0.73 m · 0.0 ft/yr -0.01 m/yr
1543 -28.3 ft -8.63 m · -0.4 ft/yr -0.12 m/yr
1542 -20.1 ft -6.13 m · -0.3 ft/yr -0.08 m/yr
1541 -15.3 ft -4.66 m · -0.2 ft/yr -0.06 m/yr
1540 -33.5 ft -10.20 m · -0.5 ft/yr -0.14 m/yr
1539 -21.7 ft -6.61 m · -0.3 ft/yr -0.09 m/yr
1538 5.4 ft 1.63 m · 0.1 ft/yr 0.02 m/yr
1537 6.8 ft 2.07 m · 0.1 ft/yr 0.03 m/yr
1536 -78.2 ft -23.85 m · -1.1 ft/yr -0.32 m/yr
1535 -47.9 ft -14.60 m · -0.6 ft/yr -0.19 m/yr
1534 -139.6 ft -42.55 m · -1.9 ft/yr -0.57 m/yr
1533 12.2 ft 3.73 m · 0.2 ft/yr 0.05 m/yr
1532 12.4 ft 3.78 m · 0.2 ft/yr 0.05 m/yr
1531 5.0 ft 1.51 m · 0.1 ft/yr 0.02 m/yr
1530 -13.4 ft -4.08 m · -0.2 ft/yr -0.05 m/yr
1529 -14.8 ft -4.50 m · -0.2 ft/yr -0.06 m/yr
1528 -42.9 ft -13.09 m · -0.6 ft/yr -0.17 m/yr
1527 3.4 ft 1.05 m · 0.1 ft/yr 0.01 m/yr
1526 -7.9 ft -2.40 m · -0.1 ft/yr -0.03 m/yr
1525 11.2 ft 3.41 m · 0.2 ft/yr 0.05 m/yr
1524 -3.6 ft -0.94 m · -0.0 ft/yr -0.03 m/yr
1523 -14.4 ft -4.40 m · -0.2 ft/yr -0.06 m/yr
1522 -9.1 ft -2.76 m · -0.1 ft/yr -0.04 m/yr
1521 -4.2 ft -1.28 m · -0.1 ft/yr -0.02 m/yr
1520 -36.3 ft -11.05 m · -0.5 ft/yr -0.15 m/yr
1519 -33.6 ft -10.25 m · -0.5 ft/yr -0.14 m/yr
1518 -128.9 ft -39.30 m · -1.7 ft/yr -0.52 m/yr
1517 -111.6 ft -34.01 m · -1.5 ft/yr -0.45 m/yr
1516 -94.6 ft -28.84 m · -1.3 ft/yr -0.38 m/yr
1515 -33.5 ft -10.22 m · -0.5 ft/yr -0.14 m/yr
1514 -27.7 ft -8.45 m · -0.4 ft/yr -0.12 m/yr
1513 -23.4 ft -7.13 m · -0.3 ft/yr -0.10 m/yr
1512 -22.0 ft -6.70 m · -0.3 ft/yr -0.09 m/yr
1511 -27.6 ft -8.42 m · -0.4 ft/yr -0.12 m/yr
1510 -28.0 ft -8.55 m · -0.4 ft/yr -0.12 m/yr
1509 -39.0 ft -11.90 m · -0.5 ft/yr -0.16 m/yr
1508 -49.6 ft -15.13 m · -0.7 ft/yr -0.21 m/yr
1507 -42.0 ft -12.81 m · -0.6 ft/yr -0.18 m/yr
1506 -25.0 ft -7.62 m · -0.3 ft/yr -0.10 m/yr
1505 0.6 ft 0.18 m · 0.0 ft/yr 0.00 m/yr
1504 7.2 ft 2.20 m · 0.1 ft/yr 0.03 m/yr
1503 -21.2 ft -6.47 m · -0.3 ft/yr -0.09 m/yr
1502 -28.8 ft -8.77 m · -0.4 ft/yr -0.12 m/yr
1501 23.9 ft 7.30 m · 0.3 ft/yr 0.10 m/yr
1500 -21.4 ft -6.52 m · -0.3 ft/yr -0.09 m/yr
1499 -24.7 ft -7.52 m · -0.3 ft/yr -0.10 m/yr
1498 -44.0 ft -13.42 m · -0.6 ft/yr -0.18 m/yr
1497 -26.6 ft -8.11 m · -0.4 ft/yr -0.11 m/yr
1496 -25.3 ft -7.72 m · -0.4 ft/yr -0.11 m/yr
1495 6.4 ft 1.95 m · 0.1 ft/yr 0.03 m/yr
1494 30.8 ft 9.38 m · 0.4 ft/yr 0.13 m/yr
1493 11.2 ft 3.41 m · 0.2 ft/yr 0.05 m/yr
1492 37.7 ft 11.48 m · 0.5 ft/yr 0.16 m/yr
1491 14.99 ft 4.57 m · 0.21 ft/yr 0.06 m/yr
1490 21.9 ft 6.60 m · 0.3 ft/yr 0.09 m/yr
1489 -0.7 ft -0.20 m · -0.0 ft/yr 0.00 m/yr
1488 -23.6 ft -7.20 m · -0.3 ft/yr -0.10 m/yr
1487 4.0 ft 1.21 m · 0.1 ft/yr 0.02 m/yr
1486 -4.4 ft -1.34 m · -0.1 ft/yr -0.02 m/yr
1485 18.2 ft 5.56 m · 0.3 ft/yr 0.08 m/yr
1484 0.5 ft 0.15 m · -0.0 ft/yr 0.00 m/yr
1483 -31.7 ft -9.65 m · -0.4 ft/yr -0.13 m/yr
1482 -18.7 ft -5.69 m · -0.3 ft/yr -0.08 m/yr
1481 -26.1 ft -7.96 m · -0.4 ft/yr -0.11 m/yr
1480 -10.3 ft -3.13 m · -0.1 ft/yr -0.04 m/yr
1475 -16.1 ft -4.91 m · -0.2 ft/yr -0.07 m/yr
1473 -11.9 ft -3.63 m · -0.2 ft/yr -0.05 m/yr
1469 -28.0 ft -8.53 m · -0.4 ft/yr -0.11 m/yr
1470 -21.5 ft -6.56 m · -0.3 ft/yr -0.09 m/yr
1468 -51.0 ft -15.56 m · -0.7 ft/yr -0.21 m/yr