

2010
Holly Collection Summary
for the
Washington Park Arboretum
University of Washington Botanic Gardens
January 11, 2011

Rainfall for the past autumn was relatively typical. For the period from October through December 2010, the Arboretum gauge recorded total rainfall of 18.81", or 126% of average. Through the end of the year, there were 10 nights when low temperatures dropped below freezing, with a seasonal low of 13° F on November 24th. The fall was characterized by mild low temperatures prior to the period leading up to the freeze. The freezing temperatures were accompanied by a 4" to 6" snowfall and it is probable that this ameliorated the impact of the cold. As of this writing, the *Ilex* Collection suffered no breakage from snow loading nor freeze damage resulting from the weather of the fall.

Heat intensity during the summer months was less than usual for the Puget Sound area. There was a total of 11 days during the months of June, July and August with a high temperature $\geq 80^{\circ}$ F, and consecutive seasonal highs of 90° F were recorded on August 13th through 15th. Summer rainfall is typically low in this modified Mediterranean climate. For 2010, summer rainfall was slightly above normal, with 3.46", or 102% of average, for the months of June, July and August.

Following the furious activity of 2009, the *Ilex* Collection has seen little change in 2010. Through the year, relocated specimens have been monitored and provided extra care to ensure their establishment. No new plants were added to the collection and only four plants were removed. The four removals were the result of a drainage problem in the Eurasian Clade portion of the new collection display area. This drainage issue was not detected prior to collection relocation and the botanic garden staff are currently exploring alternatives to resolve the problem. The sixteen very large specimens that were retained in the Pacific Connections Entry Gardens, mostly *Ilex opaca* and *I. purpurea*, have shown no signs of stress from the nearby construction and are responding well to their improved growing conditions. Submitted with this report are several current photographs of the very large specimens that were retained in the Pacific Connections Entry Gardens.

Randall Hitchin
Living Collection Manager & Registrar
Washington Park Arboretum
University of Washington Botanical Gardens
Seattle, Washington

Taxon	Condition	Accession Number
Ilex aculeolata	G	191-94*A
Ilex aculeolata	G	191-94*B
Ilex amelanchier	G	149-95*A
Ilex aquifolium 'Argentea Marginata'	F	11-57*A
Ilex aquifolium 'Crassifolia'	G	399-94*A
Ilex aquifolium 'Crispa'	F	991-52*A
Ilex aquifolium 'Ferox Argentea'	G	271-47*B
Ilex aquifolium form	G	X-416*A
Ilex aquifolium 'Foxii'	G	1279-50*A
Ilex aquifolium 'Golden Queen'	G	269-63*A
Ilex aquifolium 'Harlequin'	G	776-60*A
Ilex aquifolium 'Integrifolia'	G	1281-50*A
Ilex aquifolium 'Myrtifolia Aurea Maculata'	F	25-86*A
Ilex aquifolium 'Pendula'	G	24-94*A
Ilex aquifolium 'Recurva'	F	1959-45*A
Ilex aquifolium 'Rederly'	F	963-50*A
Ilex aquifolium 'Teufel's Deluxe'	G	734-58*A
Ilex aquifolium 'Zero'	F	737-58*B
Ilex asprella	G	190-94*A
Ilex asprella	G	190-94*B
Ilex asprella	G	190-94*C
Ilex bioritsensis	G	60-99*A
Ilex 'Brilliant'	G	35-50*A
Ilex 'Brilliant'	F	35-50*B
Ilex buergeri	G	502-65*A
Ilex cassine var. mexicana	G	102-91*A
Ilex cassine var. mexicana	G	102-91*B
Ilex cassine var. mexicana	G	102-91*C
Ilex 'Clusterberry'	P	47-83*A
Ilex colchica	G	65-05*A
Ilex colchica	G	65-05*B
Ilex colchica	G	66-05*A
Ilex colchica	P	630-65*A
Ilex colchica	P	630-65*B
Ilex colchica	G	630-65*C
Ilex collina	G	327-94*A
Ilex collina	G	327-94*B
Ilex collina	G	327-94*C
Ilex cornuta	G	1668-56*A
Ilex cornuta	G	131-90*A
Ilex cornuta	G	131-90*B
Ilex cornuta	F	268-91*A

<i>Ilex cornuta</i> 'Rotunda'	P	782-59*A
<i>Ilex crenata</i>	G	X-511*E
<i>Ilex crenata</i>	G	X-511*F
<i>Ilex crenata</i> 'Convexa'	G	2421-40*D
<i>Ilex crenata</i> 'Geisha'	G	72-95*A
<i>Ilex crenata</i> 'Helleri'	G	1391-50*A
<i>Ilex crenata</i> 'Helleri'	G	400-48*A
<i>Ilex crenata</i> 'Jersey Pinnacle'	G	188-95*A
<i>Ilex crenata</i> 'Jersey Pinnacle'	G	188-95*B
<i>Ilex crenata</i> 'Mariesii'	G	1251-50*A
<i>Ilex crenata</i> 'Mariesii'	G	57-96*A
<i>Ilex crenata</i> 'Piccolo'	G	354-94*B
<i>Ilex crenata</i> 'Sky Pencil'	G	12-93*A
<i>Ilex crenata</i> var. <i>paludosa</i>	F	311-67*A
<i>Ilex crenata</i> var. <i>thomsonii</i>	F	312-67*B
<i>Ilex crenata</i> var. <i>thomsonii</i>	F	312-67*A
<i>Ilex decidua</i>	G	350-63*A
<i>Ilex decidua</i>	G	350-63*B
<i>Ilex dimorphophylla</i>	G	349-94*A
<i>Ilex dimorphophylla</i>	G	349-94*B
<i>Ilex dimorphophylla</i>	G	349-94*C
<i>Ilex</i> 'Edward Goucher'	G	289-69*A
<i>Ilex fargesii</i> ssp. <i>melanotricha</i>	F	398-62*A
<i>Ilex geniculata</i>	G	91-96*A
<i>Ilex geniculata</i>	G	91-96*B
<i>Ilex geniculata</i>	G	91-96*C
<i>Ilex georgei</i>	F	352-94*A
<i>Ilex glabra</i>	F	887-57*B
<i>Ilex integra</i>	F	X-339*B
<i>Ilex integra</i>	F	X-339*C
<i>Ilex integra</i>	G	49-00*A
<i>Ilex integra</i>	G	49-00*B
<i>Ilex integra</i>	G	49-00*C
<i>Ilex latifolia</i>	G	63-93*A
<i>Ilex</i> 'Lemon Gem'	G	191-09*A
<i>Ilex macrocarpa</i>	F	197-94*A
<i>Ilex macrocarpa</i>	G	344-92*A
<i>Ilex macrocarpa</i>	G	344-92*B
<i>Ilex macrocarpa</i>	G	880-55*A
<i>Ilex macrocarpa</i>	E	197-94*B
<i>Ilex macropoda</i>	F	136-93*A
<i>Ilex macropoda</i>	G	134-93*A
<i>Ilex macropoda</i>	F	416-51*A
<i>Ilex macropoda</i>	G	134-93*B

<i>Ilex macropoda</i>	G	75-96*A
<i>Ilex macropoda</i>	G	75-96*B
<i>Ilex</i> 'Mary Nell'	G	336-81*A
<i>Ilex maximowicziana</i> var. <i>kanehirae</i>	G	181-84*A
<i>Ilex maximowicziana</i> var. <i>kanehirae</i>	G	181-84*B
<i>Ilex maximowicziana</i> var. <i>kanehirae</i>	G	380-90*B
<i>Ilex micrococca</i>	G	84-95*B
<i>Ilex myrtifolia</i>	F	3-96*B
<i>Ilex</i> 'Nellie R. Stevens'	G	783-59*A
<i>Ilex opaca</i> 'Arden'	G	1147-50*A
<i>Ilex opaca</i> 'Boyce Thompson Xanthocarpa'	G	226-88*A
<i>Ilex opaca</i> 'Emily'	G	1149-50*A
<i>Ilex opaca</i> 'Farage'	G	411-48*A
<i>Ilex opaca</i> 'Hampton'	G	412-48*A
<i>Ilex opaca</i> 'Mae'	G	1151-50*A
<i>Ilex opaca</i> 'Maryland Dwarf'	G	238-77*A
<i>Ilex opaca</i> 'Osa'	G	1152-50*A
<i>Ilex opaca</i> 'Richards'	G	909-50*B
<i>Ilex opaca</i> 'Skookum'	G	425-48*A
<i>Ilex opaca</i> 'Trisco'	G	426-48*A
<i>Ilex opaca</i> 'William Hawkins'	G	263-91*A
<i>Ilex pedunculosa</i>	A	X-423*B
<i>Ilex perado</i> ssp. <i>perado</i>	P	846-59*B
<i>Ilex perado</i> ssp. <i>perado</i>	P	846-59*G
<i>Ilex perado</i> ssp. <i>perado</i>	G	846-59*D
<i>Ilex pernyi</i>	G	481-40*B
<i>Ilex pernyi</i>	G	481-40*C
<i>Ilex pernyi</i>	F	481-40*D
<i>Ilex purpurea</i>	E	1383-41*C
<i>Ilex purpurea</i>	E	1383-41*D
<i>Ilex purpurea</i>	E	1383-41*E
<i>Ilex rubra</i>	G	103-91*A
<i>Ilex rubra</i>	G	103-91*B
<i>Ilex rubra</i>	G	103-91*C
<i>Ilex serrata</i>	G	763-41*A
<i>Ilex serrata</i>	F	588-54*A
<i>Ilex shennongjiaensis</i>	G	346-94*A
<i>Ilex shennongjiaensis</i>	G	355-94*A
<i>Ilex shennongjiaensis</i>	G	355-94*B
<i>Ilex</i> sp.	E	192-94*C
<i>Ilex</i> sp.	G	192-94*B
<i>Ilex</i> sp.	P	192-94*A
<i>Ilex spinigera</i>	F	23-86*A
<i>Ilex suaveolens</i>	P	38-85*A

<i>Ilex suaveolens</i>	G	194-94*A
<i>Ilex verticillata</i>	G	151-90*A
<i>Ilex verticillata</i>	G	151-90*B
<i>Ilex verticillata</i>	A	208-90*A
<i>Ilex verticillata</i>	A	208-90*B
<i>Ilex verticillata</i> 'Afterglow'	G	42-91*B
<i>Ilex verticillata</i> 'Cacapon'	G	44-91*C
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	580-90*A
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*A
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*C
<i>Ilex verticillata</i> f. <i>aurantiaca</i>	G	43-91*D
<i>Ilex verticillata</i> 'Jim Dandy'	G	45-91*B
<i>Ilex verticillata</i> 'Jim Dandy'	F	281-88*B
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*C
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*D
<i>Ilex verticillata</i> 'Red Sprite'	G	48-91*E
<i>Ilex verticillata</i> 'Shaver'	G	49-91*B
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*E
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*C
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*B
<i>Ilex verticillata</i> 'Southern Gentleman'	G	53-91*D
<i>Ilex verticillata</i> 'Stop Light'	G	47-91*B
<i>Ilex verticillata</i> 'Sunset'	G	51-91*A
<i>Ilex verticillata</i> 'Winter Red'	F	52-91*B
<i>Ilex verticillata</i> 'Winter Red'	G	52-91*C
<i>Ilex verticillata</i> 'Winter Red'	P	52-91*D
<i>Ilex verticillata</i> 'Winter Red'	F	52-91*E
<i>Ilex verticillata</i> x <i>Ilex serrata</i> 'Sparkleberry'	A	50-91*A
<i>Ilex verticillata</i> x <i>serrata</i> 'Harvest Red'	G	46-91*B
<i>Ilex vomitoria</i> 'Will Fleming'	G	343-92*A
<i>Ilex</i> x <i>altaclerensis</i> 'Camelliifolia'	F	990-49*A
<i>Ilex</i> x <i>altaclerensis</i> 'Camelliifolia'	F	990-49*B
<i>Ilex</i> x <i>altaclerensis</i> 'Hendersonii'	F	570-67*F
<i>Ilex</i> x <i>attenuata</i>	G	556-44*A
<i>Ilex</i> x <i>koehneana</i>	E	31-98*A
<i>Ilex</i> x <i>meserveae</i> [Little Rascal] = 'Mondo'	G	128-99*A
<i>Ilex yunnanensis</i>	G	111-81*B
<i>Ilex yunnanensis</i>	F	111-81*A
<i>Ilex yunnanensis</i>	G	111-81*C