

General Design Goals (to be updated @ 12/13 charrette)
 design an environment that welcomes and educates all visitors
 honor and enhance the nature of the site; minimize disturbances; protect existing habitat; support broadened biodiversity
 maintain the rural and agricultural character of the site while creating a distinctive presence for the center
 maximize the connection of indoors with outdoors; provide an enticing environmental setting that will inspire and energize users and visitors
 optimize use of renewable energy and materials; design new construction for minimum energy and resource use over time
 minimize waste and pollution; employ appropriate technology

Site Plan	SIZE	NOTES
Access Godfrey Rd. entrance, Ladder Hill Rd. exit, one-way road through the site		Wide enough for bus access, do we want to add a turn lane in from the east? Still undecided about 2-way traffic for lower lot. Visitor flow from upper lots - provide orientation at upper lots, pathways with lighting from primary parking area to conservation center. How do we prevent short-cutting access into the preserve - bypassing center - stone wall, post/rail fence, plantings...
Parking		where do buses rest after dropping off children? Alternative surface types? Green? Used daily. What are the options for surfaces here - is gravel the best choice from a green standpoint - what about durability, plowing? Uneasy about use of court yard here. Can we design an area just west of the barn surrounded by stone walls that could handle six cars, 7 cars. Use court yard for house residence parking only? What are the options for surfaces here - is gravel the best choice from a green standpoint - what about durability, plowing? frequent weekend use year spring and fall especially
Paved Lower Level	12 spaces	
Gravel Lower level (employee only)	5 spaces	
Gravel Upper Level	14 spaces	
Grass Upper Level	47 spaces	
Overflow Parking	47 spaces	used 12 times a year perhaps - possibly all 4 seasons however
Front House Renovation	ROOM SIZE	SQ. FT.
1st Floor		
Conference/Library	22' x 11'-6"	273
Office A	10'-6" x 14'	139
Office B	11'x14'-6"	176
Office C	11'x14'-6"	173
Office D	11'-6" x 14'-6"	158
Kitchen		230
Bathroom/shower	7' x 7'	60
Closets/Storage/Janitor		81
Other/Utility/Circulation		146
		NOTES
		Elevator to storage? Each office should have its own entrance from conference room or from entry hall? Consolidate heat producing machines? Need to provide space for 4x5 map case, 10 file cabinets. How do we manage this? Shelf/cabinet space for kitchen/office supplies. - Primary office in SW does it have space for a desk and small - e.g. round table? w/ copier & printers, shared work space - can we fit copier/printers in rear entry way if kitchen size reduced? Coat rack in conference room or entry way for meeting participants. Could either of the rooms on the east side be partitioned to accommodate additional staff?
		(1) existing built-in closet (4'-6" square) rehabilitate existing 2nd floor, add stairs for fire safety, downstair - reduce size of kitchen and provide entry to bathroom from kitchen to reduce traffic through conference room Entry from Kitchen - or entry hall coat rack in conference room or entry hall for guests - boot rack for staff in winter? elevator to storage? Basement sufficiently finished for safe storage

**Juliana Lachat Conservation Centre
Preliminary Program**

December 10, 2004
Revisions:

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Apartment Entry	7'-9"x7'	60		
Total 1st Floor		1496		
2nd Floor				Rehabilitate existing 2nd floor. Add stairs for fire safety - Consider potential for conversion to office - what would be necessary - if we were to do in the future - what steps would we need to take care of now?
2 bedrooms		300		
1 bath		60		
Common space		200		
Other / Utility / Circulation		200		Add small kitchen / eating area - kitchen area already present?
Total 2nd Floor		760		
Total Basement		1496		
Total Heated Space (non-utility)		2256		
Total Utility Space		1496		basement only
Total Porch & Decks		183		
Total Footprint		1679		
TOTAL BUILT AREA		3752		including basement, 1st floor, 2nd floor and porch
Barn Renovation	ROOM SIZE	SQ. FT		NOTES
Vehicle Shed		701		Electrified. Running water available. Which space is most adaptable for seating off and storage of motorized equipment - chain saws, brush equip. Gas, diesel fuel tanks, herbicides? Tool shop - table saw....
Workshop w/ Loft		269		loft over most of 1st floor
Entry Room		1250		loft over 1/2 of 1st floor - bays for small tractor storage?, TNC vehicle? House toward vehicle
Open Barn w/ Loft		2220		
TOTAL				
New Building	ROOM SIZE	SQ. FT		NOTES
Visitors Center				Can we find a space for sitting - resting - viewing the outside - bird feeders? Provide for digital communications between
Event Space	32' x 30'	960		100 person capacity- 125, suitable for AV, shades for AV presentations, table, chair storage in basement, connected by elevator that connects to both class rooms and meeting room. Acoustics? Suitable for presentations, sit down events, music.
Restrooms	2 @ 14' x 10' ea.	280		exterior and interior access, secure entry from both sides
Kitchen	14' x 10'	140		double door? Sufficient for food prep at tented event for 150.
Office A	10' x 10'	100		1 or 2 education center staff: move office space away from entry way
Office B	10' x 10'	100		1 or 2 education center staff

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Foyer/Hall (display & circulation)		620	space for fixed displays and educational information, reception desk for inside outside staffed by volunteer.
2nd Floor Mezzanine		844	over part of 1st floor, what is the programming for this space? Library, conference table, - could it be closed off as a separate meeting space? How many could it accommodate? Does it need to be universal access? - outdoor deck on second story?
Visitor's Center - Total 1st Floor		2200	
Visitor's Center - Total Mezzanine		844	
Visitor's Center - Total		3044	
Classroom Area			
Entry/Mudroom	13' x 10'	130	
Classroom A	20' x 26'	520	wet lab for 6 students in center classroom and computer work stations for 7 in each, moveable furniture, 60 students total max., classrooms can be separated or opened into one space
Classroom B	20' x 26'	520	
Classroom C	20' x 26'	520	
Restrooms	7' x 8'	56	is one sufficient? No, need separate bathrooms for girls and boys
Closets/Storage/Janitor		125	
Other/Utility/Circulation		293	
Classroom Area - Total		2164	
New Building - Total Basement		4364	
New Building - Total 1st Floor		4364	
Building - Total Heated Space (non-utility)		5208	1st floor & Mezzanine
New Building - Total Utility Space		4364	basement only
New Building - Total Porches & Decks		1488	
New Building - Total Footprint		5852	
NEW BUILDING - TOTAL BUILT AREA		11060	including basement, 1st floor, mezzanine and porches
Teaching Gazebo and Docks	ROOM SIZE	SQ. FT.	NOTES
Gazebo	36' x 24'	864	30 students wetland meadow ecology
Docks	2 @ 10' x 20'	200	30 students
Gazebo	36' x 24'	864	30 students - forest ecology
Total		1064	Connect trails between study sites - design for universal access to both sites and the conservation center - trail grade will be an important issue. Wetland crossing wide enough for small 4 wheel drive vehicle -

Notes: -Room sizes are measured to interior
-Areas include exterior walls and 1/2